

2016

HEAD OFFICE  
OMS, spol. s r. o.  
419 Dojč, 906 02 Dojč, Slovakia  
Tel.: +421(0)34/694 0811, 694 0877  
Fax: +421(0)34/694 0888  
e-mail: [marketing@oms.sk](mailto:marketing@oms.sk)

[www.omslighting.com](http://www.omslighting.com)



Starting with big ideas in an unknown corner of a small Eastern European country back in 1995, we have risen to become one of the fastest growing lighting companies in Europe, operating in 122 countries around the globe.



Established	1995
Number of employees	950
Export	98.5 %
Total production facility surface area	93,500 m <sup>2</sup>



We have one of the best equipped R&D departments in Europe. Within our product, optical, electronic, thermal and mechanical design departments you will find an international team of highly qualified and experienced specialists. This allows us to develop products from concept to manufacture all under one roof.



# LIGHTING AND US

## BRINGING ORDER TO THE LIGHTING WORLD

When designing the lighting system of the office space the lighting designer has to take into account, besides the legal standards, also other parameters which are no less important and affect the quality of the lighting solution of the whole office building. Until recently, the summary of these criteria has represented a chaotic system that has not offered any sufficient overview to the customer. The six-point assessment system of the lighting quality – Lighting Quality Standard developed by the company SLE brings a new order to the chaotic lighting world.

Living by rules is important.

Respecting laws is relevant as well. The ancient conflict of our world is driven by patterns and order; otherwise we become adrift by chaos that is present in our civilisation to these days. Whether the former or the latter concept is the right one, is an eternal question. One thing is certain: we in SLE love the order much more than chaos. That is why we have created a brand new lighting quality standard to help the customers, buyers and competitors better understand and evaluate lighting devices and solutions.

Until now there was no unifying system used in the world of lighting for evaluation of either light fixtures or lighting solutions, and every producer has got its own way for that. Consumers get lost in the vast array of criteria used and comparing neither products nor solution was an option. SLE brings order to this chaos. We are prepared to help the LQS become a unified standard used by the whole lighting sector. No overstatement, the LQS is an important step to a new level. Not just for our company, but for the branch and the giant world of lighting.

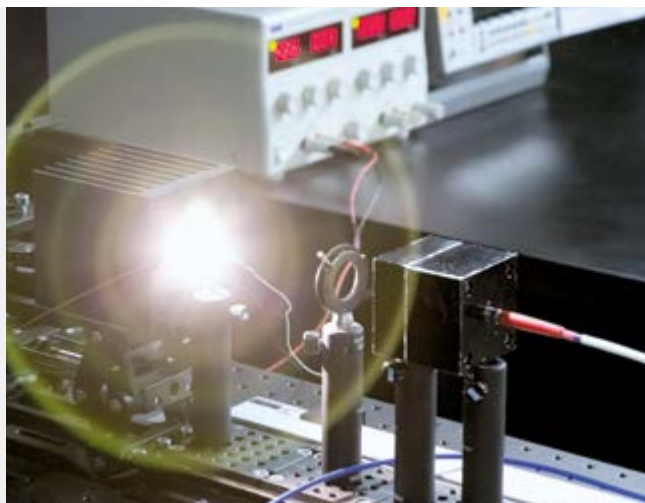
We have chosen more than twenty objectively quantifiable criteria and we are using them to evaluate both individual light fixtures and complete lighting solutions for different types of spaces. Each criterion has got its value and the result is the LQS Index. The higher the index is, the better the lighting device or solution is for use in a given space. Simple and intuitive approach to the agenda is exemplified by the LQS Composer, a unique tool to evaluate each and every lighting product.

There is a six-part program behind the acronym LQS. The chapters are named **ERGONOMICS, EMOTION, ECOLOGY, EFFICIENCY, ESPRIT AND EXCEPTIONALITY** or just **6 E's**.

If you imagine a house, the first four chapters are strong pillars representing criteria that are well-known in the world of lighting. The remaining two are the roof, a powerful superstructure on the top of these pillars. Together, they create an inseparable complex, because the parts of the whole cannot be perceived independently, but only in their context. That is the basic philosophy of the LQS. Immerse in the 6 E's and conceive the idea of living in a place where rules are crystal clear.



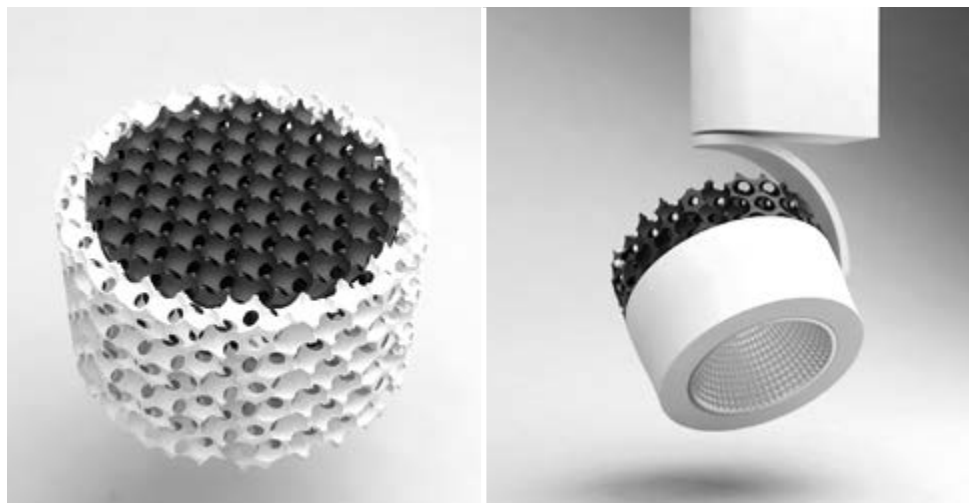




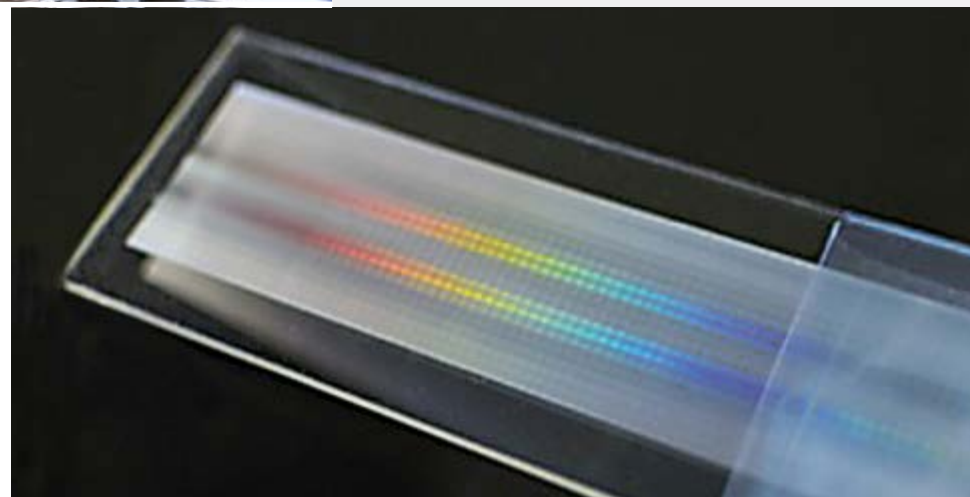
### Optical design

Optical systems fundamentally affect the light emitted by a luminaire and its overall efficiency and suitability for the defined application. This makes optimised optical design key to the success of every lighting solution. We have at our disposal a wide range of state-of-the-art equipment that enables us to develop effective conventional optical parts as well as complex lens optical systems. We are also world-leaders in the innovation of mass-producible nano-optics, holographic lenses and proprietary development tools.

Metal foams have recently gained a lot of technical interest due to their low weight and material properties. The cellular structure is that of a solid metal that contains a large volume fraction of gas filled pores. Metal foams are finding increasing use in thermal management application, as the surface area is significantly larger than that of a typical finned heatsink, making the surface area available for heat conversion particularly attractive. The results of using metal foam heatsinks are lighter weight luminaires with improved airflow characteristics.

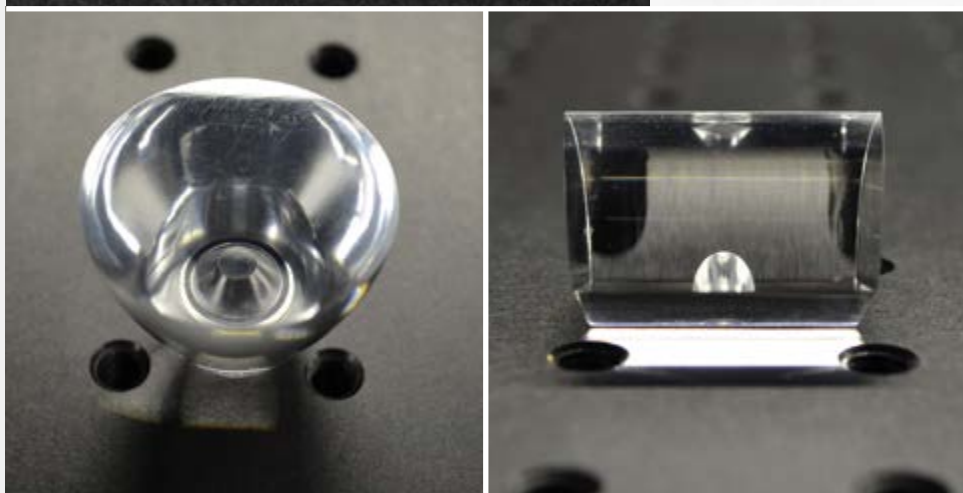
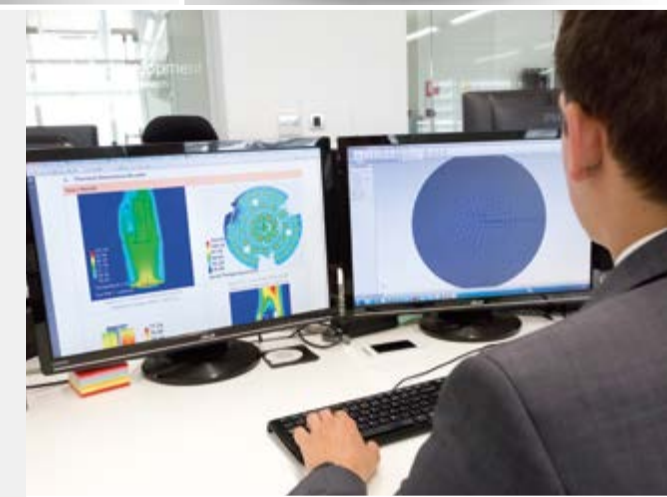


Nano-optics is the use of tiny structures that modify the properties of a material's surface or volume in order to control light distribution by diffraction. Luminaires commonly require optical parts such as a reflector or lenses to achieve a desired light distribution. Nano-optics remove the need for any other optical part except for the diffuser on which the structures are applied. Nano-optic luminaires are smaller, direct their light output more precisely, are more effective and control the light in a way that it is more uniform, low-glare and visually comfortable.



### Thermal solutions

The digitisation and minituration of technologies places increased emphasis on the use of optimal thermal management. We have extensive test facilities that allow us to characterise every product to ensure reliable performance. We are also active in research and the development of innovative concepts such as metal foam heatsinks, energy harvesting solutions, thermally optimised hybrid luminaire housings, dielectric liquid cooling and ionic wind generation.



The optical system of state-of-the-art LED street and urban luminaires currently require the use of lenses in combination with reflectors to achieve a suitable light distribution. Pure lens optical systems offer many advantages but also increase the demands placed on the lenses. Our optical design team are developing a range of pure lens optical solutions for street lighting made of optical grade silicon that offers many attractive properties such as superb transmission, exceptional environmental stability and better mechanical properties.

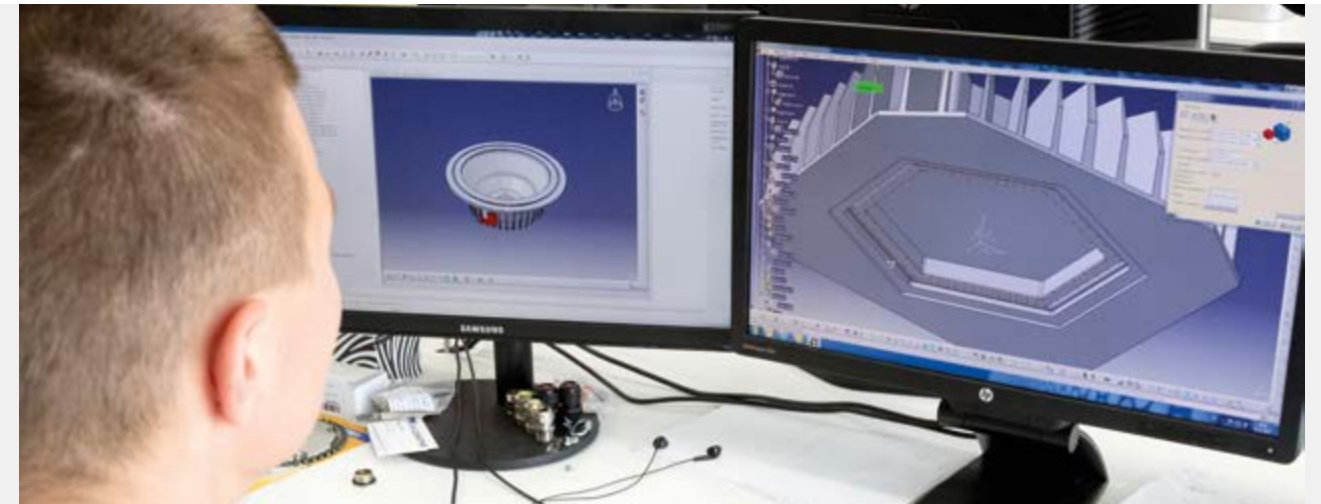
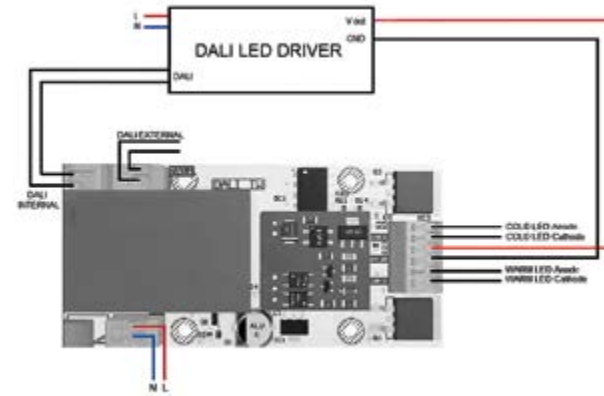


One up-and-coming thermal innovation is technology that uses waste heat as a form of energy. One of the most exciting applications is to convert heat into electricity. The thermoelectric generator (TEG) is an innovative device that harvests the wasted energy emitted from an LED luminaire as heat and converts it to usable electricity for small-scale use such as the charging of a mobile phone.



## Electronic solutions

The boundaries of electronic design are consistently being broken by new technologies as well as by the innovative use of existing ones, highlighting the need for flawless development processes. We create advanced system level designs with all stages verified in-house, including DALI compatibility and long-term performance. In addition, we place emphasis on the innovation of new products such as our ambient light sensors, gesture control, DC PowerLine communication, advanced TunableWhite control and intelligent LED modules.



OMS TunableWhite luminaires are powered and controlled differently to other TunableWhite luminaires, making them simpler and more reliable and efficient. TunableWhite is perfect for use in any kind of retail or presentation environment as different light colour temperatures suit different products and create different atmospheres. Alternatively, it is used in daylight simulation in areas such as offices and classrooms in order to support activity and healthy functioning of the human body.



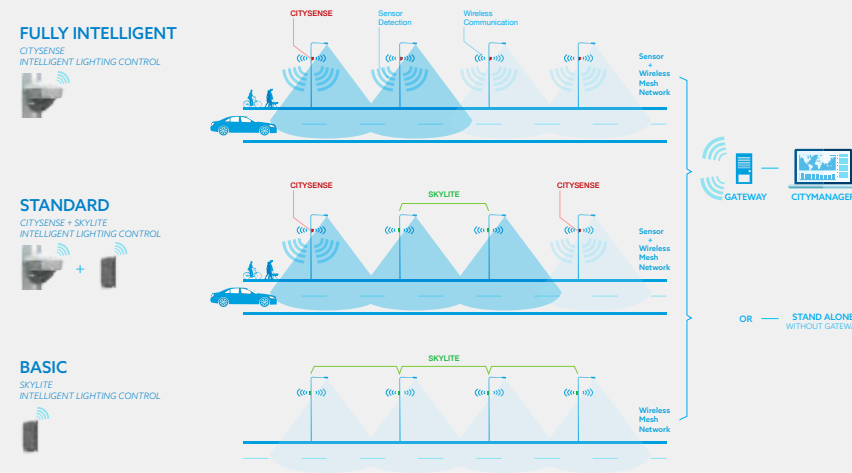
A truly futuristic idea turned into reality, GestIC allows users to control various functions such as lighting simply by gesturing in front of the device, **no touch required**. The device works by emitting a 3D electric field that when disturbed by a conductive object, such as a human body, measures the disturbance and reacts accordingly. The device reacts to typical gestures such as sweeping up, down and side to side among others.

## Mechanical engineering

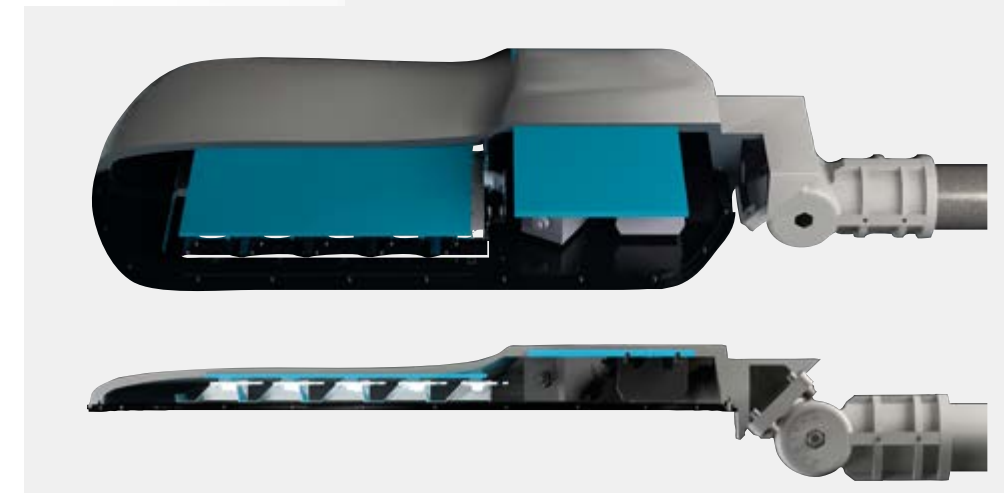
We have 20 years of experience in the mechanical design of luminaires as well as the development of other mechanical appliances and precision tools such as optical measurement and electronic testing devices. Using the latest software, analysis methods and equipment, we can help customers develop mechanical designs for anything from the simplest tools to complete mechanical solutions with measurements and documentation.



We are now developing a new form of streetlighting control that offers significant energy saving potential. Utilising intelligent control that includes sensors and Wi-Fi communication, it is now possible to safely and effectively control light output according to traffic, cyclist and pedestrian movement. During the quiet hours, illumination levels can be safely decreased, but to ensure safety, it is beneficial to increase levels to 100% when there is movement for a suitable distance ahead.



Hybrid street lighting uses a combined aluminium and thermoplastic luminaire housing to act as the heatsink, offering improved conductive properties and therefore a better balance between weight and cooling than standard aluminium housings. Plastics bring the flexibility of injection molding and give three dimensional freedom to the design of the housing allowing it to be optimised. Plastic is also about 40% lighter than aluminium, which results in improved shock and vibration results. Furthermore, plastics do not facilitate the antenna effect and, therefore, minimise electromagnetic interference.





Our superior manufacturing capabilities are the backbone of the company. For this reason, we view continual technological development as paramount and invest our energy in what matters most.



Production hall  
Metal production & semi-finished products warehouse

Production hall  
Metal production & powder line

Products in process storage

Central warehouse

Dining hall

R&D centre

Administrative building  
Showroom  
Conference room  
Bar

Production hall

Production warehouse

Production hall

Administrative area  
Warehouse

Production hall  
Production warehouse

Production warehouse

Production warehouse

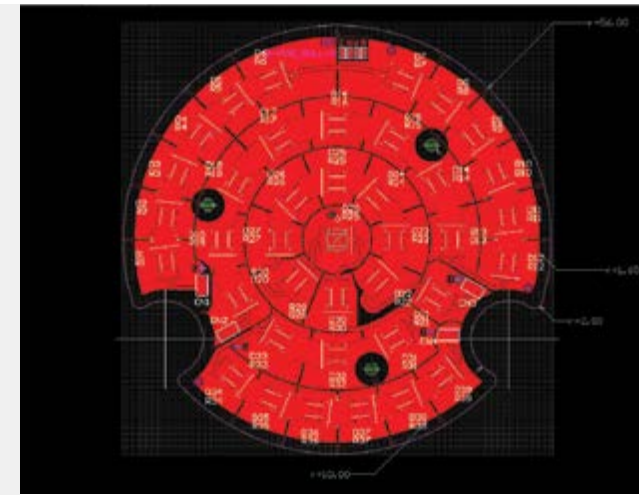
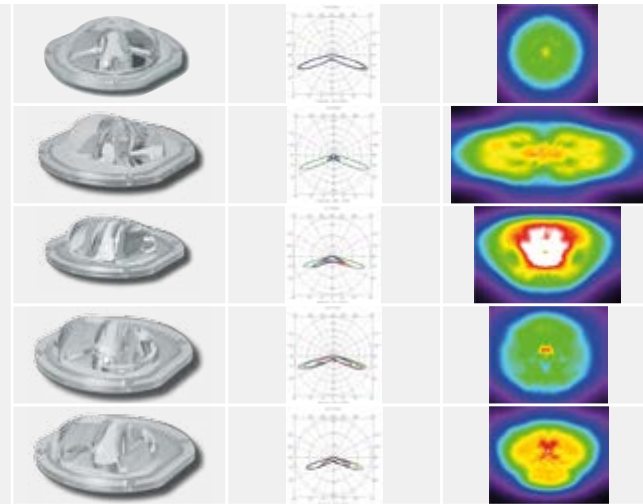
Gate house

Administrative area



## LED product development

LED light sources offer a great many advantages over conventional ones because they are fundamentally different technologies. This means that the development of LED products requires a fundamentally different approach to optical, electronic, thermal management and mechanical design.



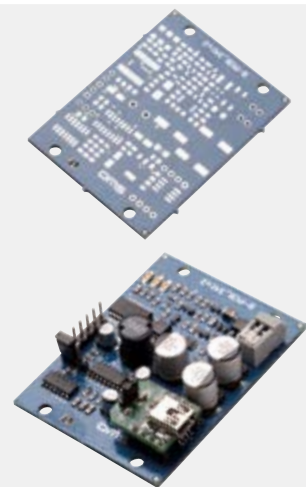
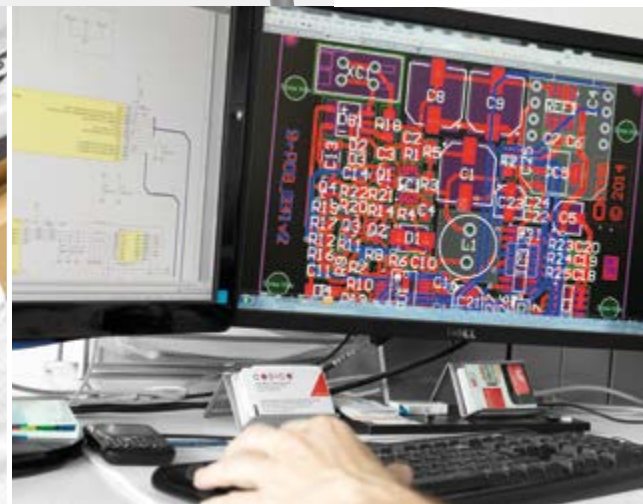
Based around semi-conductor and micro-electronic components, LED luminaires are anything but simple. Their development depends on a complex interrelation of mechanical, optical, electronic and thermal factors. The first stage is the definition of practical requirements such as the size and shape of luminaire, required lumen output is, LED chip positioning and information about optical losses. Based on this, our electrical engineers can design the all-important LED PCBs that form the backbone of each LED luminaire.

**MEGIN L**  
Up to 23.000 lm  
13 LIDC options

**IMMA**  
Up to 7.550 lm  
8 LIDC options

**DALYA**  
Up to 12.800 lm  
13 LIDC options

The most obvious differences between conventional and LED luminaires are the optics, which must be tailored to the particular needs of LED light distribution. Although conventional optics are still the most widely used, LEDs have opened up the implementation of lenses and nanotechnologies. What's more, much development is also being made into optics incorporated directly in each LED die.



Our electronic researchers and engineers use Altium Designer, a professional CAD software package for PCB design. We are capable of rapid PCB prototyping by micro-machining or using chemical paths, and use a reflow oven to make soldering faster and more reliable. The use of these technologies enables us to produce fully manufactured and assembled PCB prototypes within unbeatable timescales.



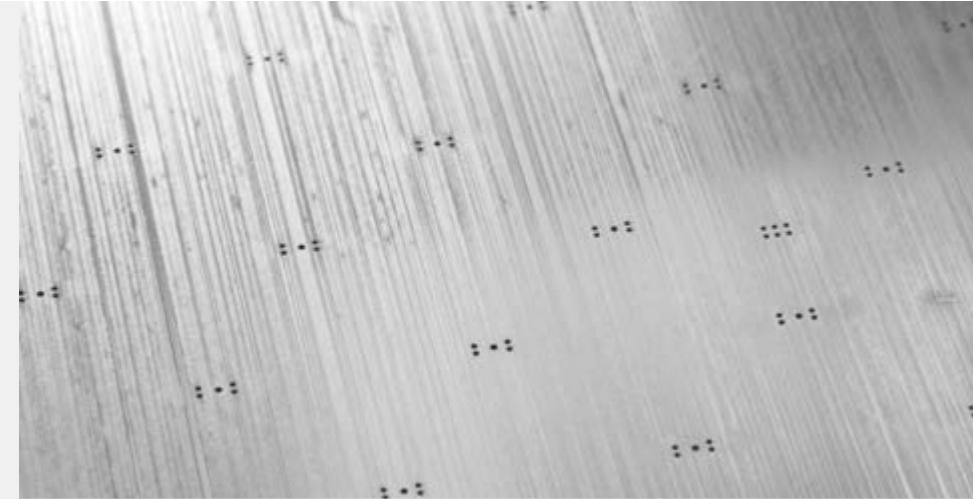
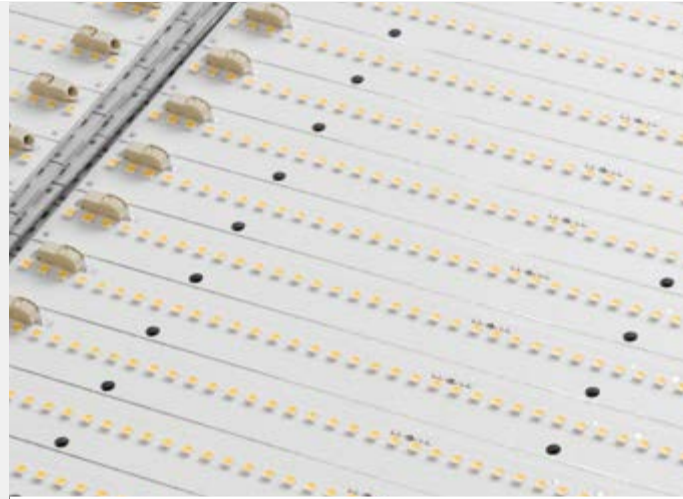
LED PCBs are designed to fit a specific space in terms of shape and mounting options, following the external design of the luminaire. Within the framework of these parameters, the correct number and positioning of LED chips can be determined and incorporated into the PCB circuit design, which further determines the type of driver and wiring needed. Next, the design is optimised by thermal engineers, who decide what PCB material and thickness is most suitable and provide a Tc value. Final verification is required from all development departments before samples are made and checked against initial requirements.



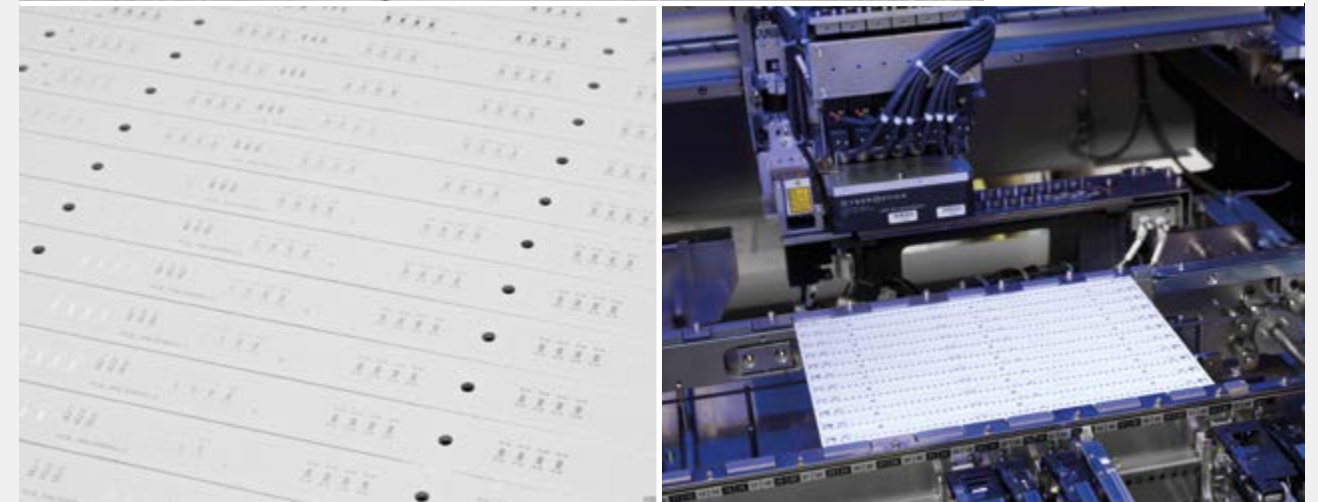


## LED PCB production

We use single- and double-layer FR4 and single-layer metal-core copper-coated strip and panel LED PCBs in the majority of our LED luminaires. Developed by our own electrical engineers in close collaboration with the optical and thermal teams, they meet the most rigorous design standards.

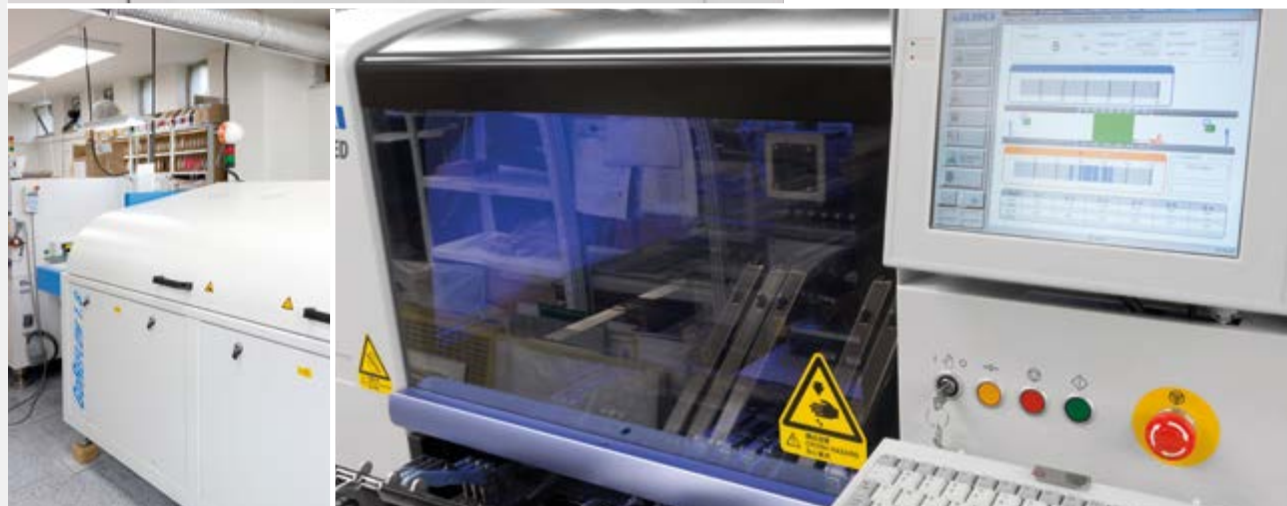


After being cut and drilled, boards are printed with a resistant layer in the form of the designed circuit and then go through a process of chemical etching to create the copper traces need for assembly. Although not the fastest way to create traces, chemical etching is advantageous because of its precision and finish, leading to higher quality and more consistent results.



PCB production is fully automated using a range of sophisticated CNC machines that cut and drill boards and mechanically and electronically connect components. By using fully automating PCB manufacture, we can offer customers precision-made LED products within unbeatable timescales.

Automated PCB assembly is achieved using the SMT method and high-tech pick and place robots. This allows for faster and more accurate placement of components, which are attached to pads layered with solder paste. Finalised PCB assemblies are then passed through a reflow oven to complete the soldering process. This method of soldering is fast, effective and reliable.



Completed PCB assemblies are thoroughly checked before release from manufacture as well as falling under strict and stringently enforced quality control standards.



The future of lighting belongs to LED. For this reason, we have placed a strong emphasis on the use of LED technologies for many years now, and have become leaders in the development and manufacture of high quality LED luminaires.



### LED luminaire production

We have a specialised Electrostatic Protective Area for the production of LED luminaires to ensure they are not damaged by Electrostatic Discharge. All of our LED chips are soldered using the selective wave method, and all components and final products are thoroughly tested using precision equipment in line with stringent ISO 9001 technical standards.





## Metal & plastics production

We have been manufacturing luminaires for 20 years now. That history stands as a firm foundation for our current high-tech production facilities and processes. We use a wide range of machines that together offer us unbeatable production scalability and flexibility.



## Special request factory

Our special request factory provides us with unrivalled flexibility. The machines allow us to make very small and precise parts with ease and at speed so that we can respond quickly to customer demand, produce rapid prototypes and customised solutions, and shorten the development time of new products.



We use a large number of computerised, automated and robotic machines. There are several injection molding, extrusion and gasketing plastics production lines. We have three SALVAGNINI sheet metal punching, bending and laser-welding production lines. There are also our TRUMPF and KUKA laser welding robots, a TUMATIC combined punching, laser cutting and laser welding machine, two TruBend press brake machines and the KAWASAKI wiring robots. All of these are supported by skilled lean production and the strictest quality standards.



Customers are increasingly requesting customised products that precisely meet their specific needs. Standard production processes cannot adapt to such requests, meaning that many manufacturers cannot provide the service customers want. We can. This gives us and our customers a great advantage over the competition.





## APPLICATIONS



- RETAIL AND PRESENTATION
- INDUSTRY AND ENGINEERING
- OFFICE
- EDUCATION
- HEALTH AND CARE
- ARCHITECTURE AND MEDIA
- STREET AND URBAN
- HOME AND INTERIOR
- HOSPITALITY
- SPORT AND LEISURE

## LIGHT DISTRIBUTION



- DIRECT SYMMETRIC
- DIRECT ASYMMETRIC
- DIRECT-INDIRECT SYMMETRIC

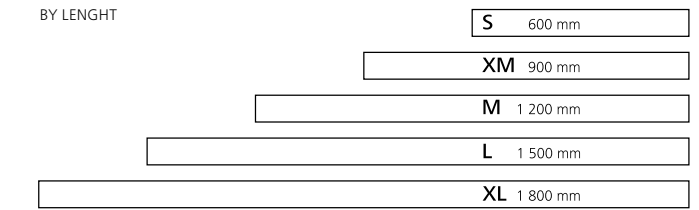
## ICONS

	MAINS VOLTAGE AND FREQUENCY
	MAINS VOLTAGE AND FREQUENCY
	LIGHT SOURCE LED
	LAMP FD, LAMPHOLDER G13
	LAMP FDH, LAMPHOLDER G5
	LAMP FSQ, LAMPHOLDER G24q
	LAMP FSMH, LAMPHOLDER GX24q
	LAMP FSM6H, LAMPHOLDER GR14q-1
	LAMP FSD, LAMPHOLDER 2G11
	LAMP FSDH, LAMPHOLDER 2G11
	LAMP MT, LAMPHOLDER G12
	COLOUR RENDERING INDEX
	CORRELATED COLOUR TEMPERATURE
	CONVENTIONAL CONTROL GEAR
	ELECTRONIC CONTROL GEAR FIX
	ELECTRONIC CONTROL GEAR DALI
	ELECTRONIC CONTROL GEAR 1-10V
	ELECTRONIC CONTROL GEAR DMX
	ELECTRONIC CONTROL GEAR STEP DIM
	ELECTRONIC CONTROL GEAR INT DIM (PROGRAMMABLE)
	ELECTRONIC CONTROL GEAR TRIAC (LEADING EDGE)
	ELECTRONIC CONTROL GEAR IGBT (TRAILING EDGE)
	EMERGENCY UNIT
	IEC PROTECTION CLASS I
	IEC PROTECTION CLASS II
	IP PROTECTION DEGREE – COMPLETE LUMINAIRE
	IP PROTECTION DEGREE – OPTICAL PART
	IMPACT RESISTANCE DEGREE

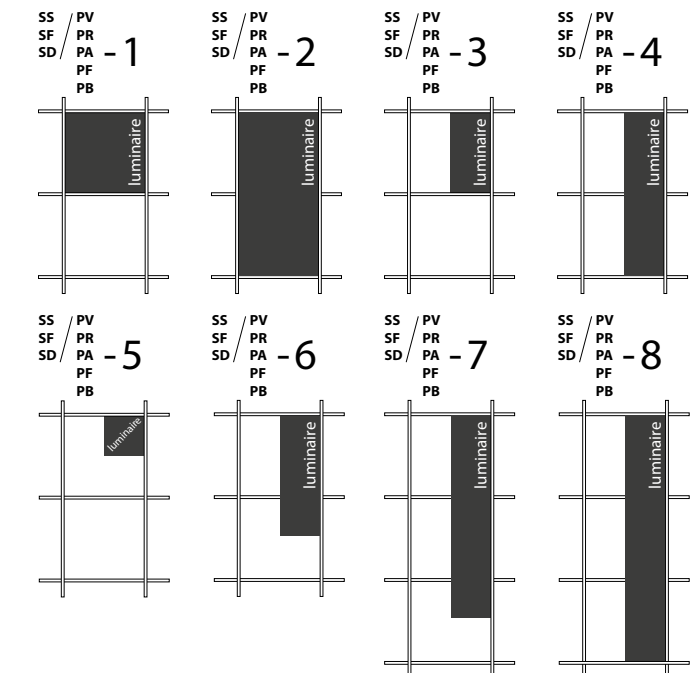
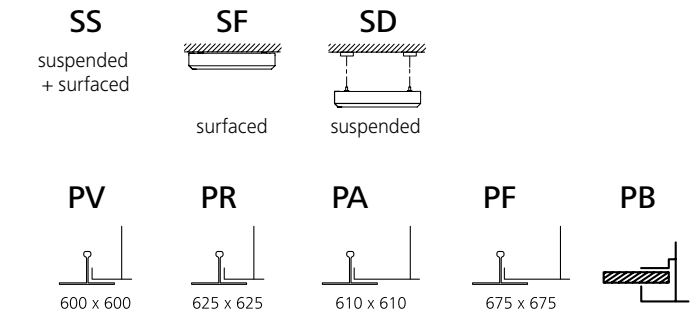
## MOUNTING

	DOWNLIGHTS	RECESSED
		RECESSED ADJUSTABLE
	SPOTLIGHTS	RECESSED
		RECESSED ADJUSTABLE
		SURFACED
		SUSPENDED
		TRACK SYSTEM
	CEILING RECESSED	RECESSED
	SURFACED & SUSPENDED	SURFACED
	WALL MOUNTED	WALL MOUNTED
	MODULAR SYSTEM	RECESSED
		SURFACED
		SUSPENDED
	HIGH BAY	
	WATHERPROOF	
	STREET	
	RESIDENTIAL	

## MARKING DIMENSIONS



ACCORDING TO THE SHAPE OF LUMINAIRE



DIMENSIONS ARE APPROXIMATE













## RECESSED LUMINAIRES

DECLAN RECESSED 36	BATEN 38	FREYN II RECESSED PV1 42	FREYN II RECESSED PV4 42	FREYN II PAR-L RECESSED PV1 44
				
				



FREYN II PAR-L RECESSED PV4 44	GACRUX ECO RECESSED 46	GACRUX TW RECESSED 48	GACRUX XTP 52	EDAN RECESSED 54
				
				

## SURFACED AND SUSPENDED LUMINAIRES

DECLAN SURFACED / SUSPENDED 56	FREYN II SURFACED / SUSPENDED 58	FREYN II PAR-L SURFACED / SUSPENDED 60	GACRUX ECO SURFACED / SUSPENDED 62	GACRUX TW SURFACED / SUSPENDED 64
				
				
EDAN SURFACED / SUSPENDED 78	ACELIN SUSPENDED / SURFACED 80	ACELIN D-I SUSPENDED 82	ACELIN XTP SURFACED / SUSPENDED 84	AIRN SURFACED / SUSPENDED 86
				
				

CLEARANCE 68	LAMBDA LED DIF 70	LAMBDA LED D-I 72	LAMBDA LED 74	EXE II LED 76
				
				
ALASTAR SURFACED / SUSPENDED 88				
				
				

## CONTINUOUS LINES AND TRUNKING SYSTEMS

AILIN RECESSED 90	AILIN XTP RECESSED 92	RANGE LINE II LED RECESSED 96	RANGE LINE II LED SURFACED / SUSPENDED 98	RANGE LINE LED RECESSED 100
				
				
PRESTIGE LED LSK DUO DEEP 126	PRESTIGE LED LSK TRIO DEEP 128	PRESTIGE LED LSK ASYMMETRIC 130	PRESTIGE LED LSK DOUBLE ASYMMETRIC 132	PRESTIGE LED II MEDIUM WIDE 136
				
				

RANGE LINE LED SURFACED / SUSPENDED 102	PRESTIGE LED LSK MEDIUM WIDE 118	PRESTIGE LED LSK DUO MEDIUM WIDE 120	PRESTIGE LED LSK TRIO MEDIUM WIDE 122	PRESTIGE LED LSK DEEP 124
				
				
PRESTIGE LED II DEEP 138	PRESTIGE LED II ULTRA DEEP 140	PRESTIGE LED II ASYM 142	PRESTIGE LED II DOUBLE ASYM 144	PRESTIGE LED II PAR-L 146
				
				

# DOWNLIGHTS

PRETTUS XS 154	PRETTUS XS TRIMLESS 156	PRETTUS S 160	PRETTUS S ASYM 162	PRETTUS S TRIMLESS 164
				
PRETTUS L 180	PRETTUS L ASYM 182	PRETTUS XTP (IP65) 186	NOVIEL S 194	NOVIEL S ASYM 196
				
CAIM TRIMLESS 212	CYGNUS II RECESSED 214	CYGNUS II TRIMLESS 216	CYGNUS SURFACED 218	CYGNUS SUSPENDED 218
				

PRETTUS S ADJUSTABLE 166	PRETTUS M 170	PRETTUS M ASYM 172	PRETTUS M TRIMLESS 174	PRETTUS M ADJUSTABLE 176
				
NOVIEL M 200	NOVIEL M ASYM 202	NOVIEL L 204	NOVIEL L ASYM 206	CAIM RECESSED 210
				
CYGNUS DECOR RECESSED 220	CYGNUS DECOR SURFACED 222	CYGNUS DECOR SUSPENDED 222		
				

# TRACKLIGHTS AND SPOTLIGHTS

ZIPAR ADJUSTABLE 228	ZIPAR MOVABLE 230	ZIPAR UNO RECESSED 232	ZIPAR DUO RECESSED 232	ZIPAR TRIO RECESSED 232
				
ZIPAR TRIO SURFACED 236	ZIPAR SURFACED 238	ZIPAR SUSPENDED 240	ZIPAR TRACK 244	AVIOR MOTION 248
				
CADAN SUSPENDED 262	AIR II 264			
				

ZIPAR QUATRO-S RECESSED 232	ZIPAR UNO SUSPENDED 234	ZIPAR DUO SUSPENDED 234	ZIPAR TRIO SUSPENDED 234	ZIPAR QUATRO-S SUSPENDED 234
				
AVIOR MOVABLE 250	AVIOR SURFACED 252	AVIOR TRACK 256	TARF RECESSED 258	TARF ADJUSTABLE 260
				



## LUMINAIRES WITH HIGH PROTECTION DEGREE

<p>BELLUS 266</p>  <p>LED</p>	<p>GRAFIAS SUSPENDED 270</p>  <p>LED</p>	<p>GRAFIAS SURFACED 272</p>  <p>LED</p>	<p>GRAFIAS RECESSED 276</p>  <p>LED</p>	<p>MYAR SUSPENDED 278</p>  <p>LED</p>
<p>PRETTUS XTP (IP65) 186</p>  <p>LED</p>				

<p>MYAR SURFACED 280</p>  <p>LED</p>	<p>MYAR RECESSED 282</p>  <p>LED</p>	<p>TORNADO LED 286</p>  <p>LED</p>	<p>TORNADO LED WIDE 286</p>  <p>LED</p>	<p>TORNADO STEEL LED 288</p>  <p>LED</p>

## POST-TOP AND SIDE-ENTRY MOUNTING

<p>MEGIN M 292</p>  <p>LED</p>	<p>MEGIN L 294</p>  <p>LED</p>	<p>IMMA 296</p>  <p>LED</p>	<p>DALYA 298</p>  <p>LED</p>	<p>SEMAI 300</p>  <p>LED</p>
---	---	--	--	---

## CONVENTIONAL LUMINAIRES

302 – 384

This manual shows you how to get the most informations from the LED catalogue. Diese Anleitung zeigt, wie Sie dem Katalog LED die meisten Informationen entnehmen können. Ce manuel vous indique comment lire les informations du catalogue LED. Tento manuál Vám napovie ako dostať čo najviac informácií z katalógu LED. Este manual muestra cómo obtener la mayor cantidad de información del catálogo LED. Questa guida illustra come ottenere maggiori informazioni dal catalogo LED. В данном руководстве показано, как получить наиболее исчерпывающие сведения из каталога LED.

Product name  
Produktname  
Nom du produit  
Názov produktu  
Nombre de Producto  
Nome del prodotto  
Название изделия

Areas of application  
Anwendungsbereiche  
Application  
Aplicácia  
Aplicación  
Applicazioni  
Область применения

Informations about wiring/light sources/gear/IP/IK etc  
Informationen über Verdrahtung/Lichtquellen/Steuerung/IP/IK, usw.  
Informations sur le câblage/sources de lumière/engins/IP/IK etc  
Informácie o elektrickej výbave/svetelných zdrojoch/predradníkoch/IP/IK atď.  
Información acerca de cableado/luz fuentes/equipo/IP/IK etc.  
Informazioni su cablaggio/sorgenti luminose/alimentatore/IP/IK ecc.  
Сведения о проводке/источниках света/редукторе/IP/IK и пр.

## CYGNUS DECOR SUSPENDED / SURFACED

OPAL LED



# Cygnus Decor Suspended / Surfaced

Product picture  
Produktbild  
Photo du produit  
Fotografia produktu  
Foto de Producto  
Foto del prodotto  
Изображение изделия

Lighting distribution curve  
Lichtverteilungskurve  
Courbe de répartition de lumière  
Krivka svetelnej distribúcie  
Curva de Distribución de Luz  
Curva di distribuzione luminosa  
Кривая распределения освещения

Drawing (mm)  
Zeichnen (mm)  
Schema pertinent des dimensions (mm)  
Rozměry (mm)  
Plano con Dimensiones Relevantes (mm)  
Illustrazioni di grandi dimensioni (mm)  
Чертеж с ответствующими размерами (мм)

Drawing of mounting  
Einbauzeichnung  
Dessin de montage  
Schéma montage  
Ilustración de montaje  
Disegno di montaggio  
Нанесение монтажной

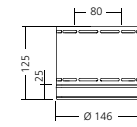
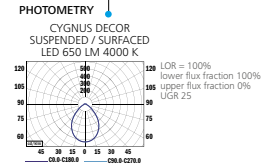
Light distribution  
Lichtverteilung  
Répartition de lumière  
Svetelná distribúcia  
Distribución de Luz  
Distribuzione luminosa  
Распределение света

Product variants  
Produktvarianten  
Variantes du produit  
Varianty produktu  
Variaciones de Producto  
Varianti del prodotto  
Варианты изделия

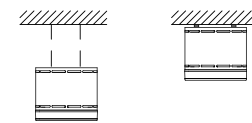
Mounting type  
Montageart  
Type de montage  
Typ montáže  
Tipo de Montaje  
Tipo di installazione  
Тип крепления

Detailed pictures of product  
Detailbilder des Produkts  
Images détaillées du produit  
Detailné obrázky produktu  
Fotos Detalladas del Producto  
Foto dettagliate del prodotto  
Подробные изображения изделия

Pictures of accessories  
Zubehör Foto  
Images du Accessoires  
Obrázky príslušenstva  
Fotos Accesorios  
Immagine degli accessori  
Изображение принадлежностей



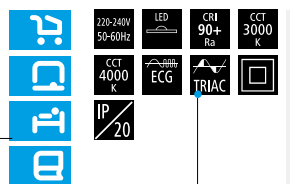
### MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOR RENDERING INDEX CRI (Ra)	CORRELATED COLOR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CYGNUS SUSPENDED / SURFACED	650	15	43	90+	3000	84°	1.3
CYGNUS SUSPENDED / SURFACED	650	15	43	90+	4000	84°	1.3

Luminous flux tolerance +/- 10%

SUS 1.35 CO/009 SUSPENSION 09



EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Opal diffuser (OPD)  
**Light distribution**  
Direct  
**Wiring**  
Electronic control gear TRIAC (EDT)  
**Materials**  
Housing: extruded aluminium  
Reflector: injected polycarbonate  
Diffuser: opal PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
Up to +25 °C

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Opaler Diffusor (OPD)  
**Lichtverteilung**  
Direkt  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät TRIAC (EDT)  
**Material**  
Körper: extrudiertes Aluminium  
Reflektor: Spritzguss-Polykarbonat  
Diffusor: Opal PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50.000 Stunden/L80  
**Umgebungstemperatur**  
Bis +25 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Opaloý difúzor (OPD)  
**Distribution de la lumière**  
Directe  
**Équipement électrique**  
Ballast électronique TRIAC (EDT)  
**Matériels**  
Corps: aluminium extrudé  
Reflektor: polycarbonate injecté  
Diffuseur: opaloý PMMA  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Service à vie utile**  
50.000 heures/L80  
**Température ambiante**  
Jusqu'à +25 °C

SK

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opalový difúzor (OPD)  
**Distribúcia svetla**  
Priama  
**Elektrická výbava**  
Elektronický predradník TRIAC (EDT)  
**Material**  
Telo: extrudovaný hliník  
Reflektor: vstrekovaný polykarbonát  
Difúzor: opalový PMMA  
**Povrchová úprava**  
Obluč: biela RAL 9003 (W03)  
**Služba životnosti**  
50.000 hodín/L80  
**Teplota okolia**  
Do +25 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor opalo (OPD)  
**Distribución de la luz**  
Directa  
**Cableado**  
Equipo de control electrónico TRIAC (EDT)  
**Material**  
Cuerpo: aluminio extruido  
Reflector: policarbonato inyectado  
Difusor: opalo de PMMA  
**Tratamiento de la superficie**  
Rebordo: blanco RAL 9003 (W03)  
**Vida útil**  
50.000 horas/L80  
**Temperatura ambiente**  
Hasta +25 °C

IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale (OPD)  
**Distribuzione della luce**  
Diretta  
**Cablaggio**  
Ballast elettronico TRIAC (EDT)  
**Materiali**  
Corpo: estruso di alluminio  
Riflettore: policarbonato a iniezione  
Diffusore: PMMA opale  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50.000 ore/L80  
**Temperatura d'ambiente**  
fino a +25 °C

RU

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Матовый рассеиватель (OPD)  
**Распределение света**  
Прямое  
**Электрическое оснащение**  
Электронный аппарат TRIAC (EDT)  
**Материал**  
Корпус: экструдированный алюминий  
Отражатель: инжектированный поликарбонат  
Рассеиватель: матовый полиметилметакрилат  
**Отделка поверхности**  
Накладная: белый RAL 9003 (W03)  
**Срок службы**  
50.000 часов/L80  
**Температура окружающей среды**  
До +25 °C

A revolutionary way to generate high quality light by combining red and unsaturated yellow LEDs.



Cree TrueWhite® is a revolutionary way to generate efficient high quality light by combining red and unsaturated yellow LEDs. The result is a pleasant warm white and highly effective light that has excellent colour rendition of CRI >90 and guaranteed colour consistency throughout the entire lifetime of the product. Perfect for use in offices, representative areas, and for retail and presentation application, this technology brings the purity of daylight indoors.



180/181

Product description  
Produktbeschreibung  
Description du produit  
Popis produktu  
Descripción del Producto  
Descrizione del prodotto  
Описание изделия

Product specification  
Produktspezifikation  
Spécificité du produit (fiche technique)  
Spifikácia produktu  
Especificación del Producto  
Specifiche del prodotto  
Технические характеристики изделия со светодиодами





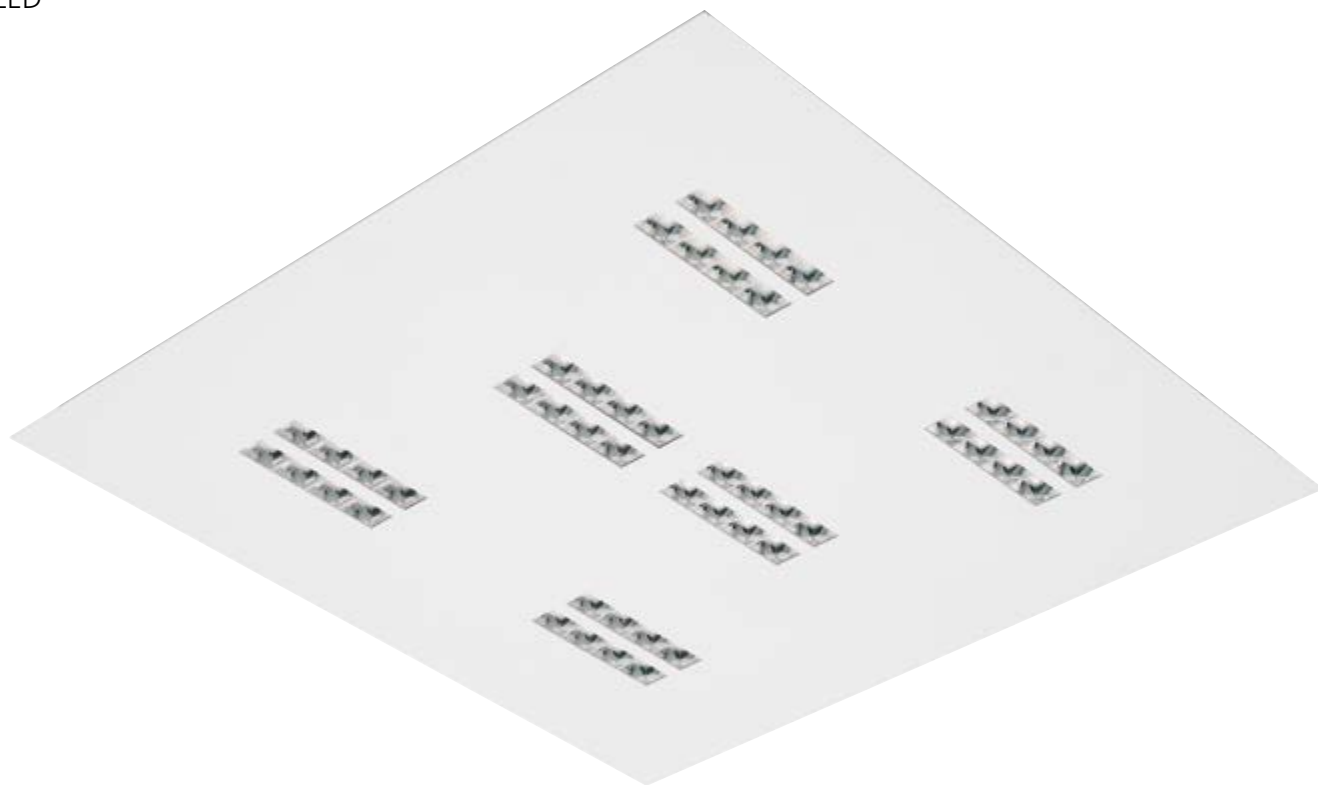
Declan Recessed

NEW

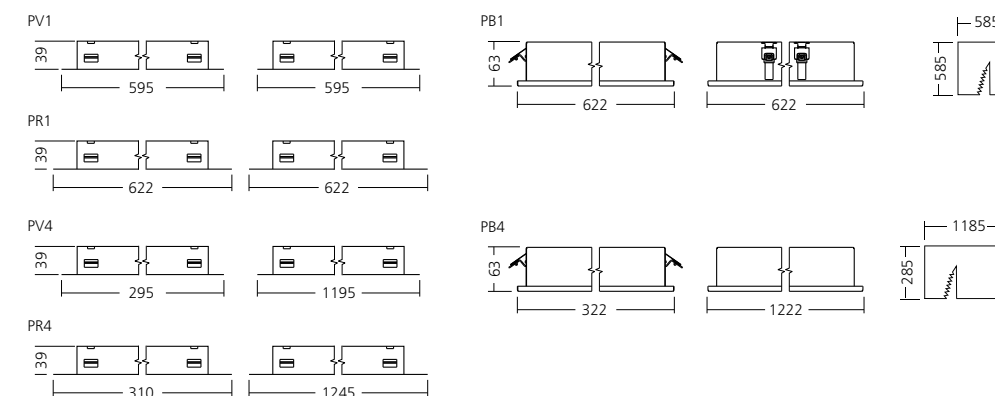
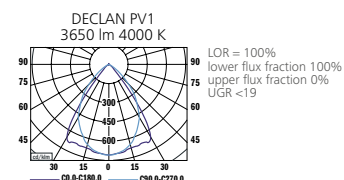
## DECLAN RECESSED

MICROPRISMA  
LED

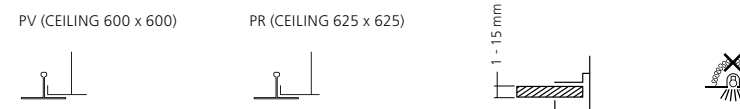
FASTRUNNER



## PHOTOMETRY



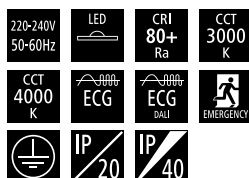
## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
DECLAN PV/PR/PB1	3450	35	99	80+	3000	74°	310	5.9
DECLAN PV/PR/PB1	3650	35	104	80+	4000	74°	310	5.9
DECLAN PV/PR/PB4	3450	35	99	80+	3000	74°	310	5.7
DECLAN PV/PR/PB4	3650	35	104	80+	4000	74°	310	5.7

Luminous flux tolerance +/- 10%.

## Declan Recessed



## EN

## Mounting

Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling

## Light source

LED

## Optical system

Diffuser + reflector (MCL)

## Wiring

Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

## Materials

Housing: sheet steel  
Diffuser: microprismatic PMMA  
Reflector: polished metallised polycarbonate

## Surface finish

Housing: white RAL 9003 (W03)

## Service lifetime

50,000 hours/L80

## Ambient temperature

Von -20 °C to +35 °C  
(from 0°C with EM unit)

## DE

## Montage

Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke

## Lichtquelle

LED

## Optisches System

Diffusor + Reflektor (MCL)

## Vorschaltgerät

Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

## Material

Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Reflektor: metallisiertes Polycarbonat

## Oberflächenveredelung

Körper: Weiss RAL 9003 (W03)

## Lebensdauer

50,000 Stunden/L80

## Umgebungstemperatur

von 0°C mit Notbeleuchtung  
(von 0°C mit Notbeleuchtung)

## FR

## Montage

Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre

## Source lumineuse

LED

## Système optique

Diffuseur + réflecteur (MCL)

## Équipement électrique

Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

## Matériels

Corps: tôle d'acier  
Diffusor: PMMA microprismatique  
Réflecteur: polycarbonate métallisé

## Finition de surface

Corps: blanc RAL 9003 (W03)

## Durée de vie utile

50,000 heures/L80

## Température ambiante

de -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

## SK

## Montáž

Vsaďení  
PVx/PRx - Kazetový strop  
PBx - Sádkartonový strop

## Svetelný zdroj

LED

## Optický systém

Difúzor + reflektor (MCL)

## Elektrická výbava

Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

## Materiál

Těleso: ocelový plech  
Difuzor: mikroprizmatický PMMA  
Reflektor: pokovený polykarbonát

## Povrchová úprava

Těleso: bílá RAL 9003 (W03)

## Servisná životnost

50,000 hodin/L80

## Teplota okolia

od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

## ES

## Montaje

Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola

## Fuente luminica

LED

## Sistema óptico

Difusor + reflector (MCL)

## Cableado

Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

## Material

Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reflector: policarbonato metalizado

## Tratamiento de la superficie

Cuerpo: blanco RAL 9003 (W03)

## Vida útil

50,000 horas/L80

## Temperatura ambiente

Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

## IT

## Installazione

Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso

## Sorgente luminosa

LED

## Sistema ottico

Diffusore + riflettore (MCL)

## Cablaggio

Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

## Materiali

Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Riflettore: policarbonato metallizzato

## Finitura

Corpo: bianco RAL 9003 (W03)

## Durata di vita

50,000 ore/L80

## Temperatura d'ambiente

Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

## RU

## Установка

Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок

## Источник света

LED

## Оптическая система

Рассеиватель + отражатель (MCL)

## Электрическое оснащение

Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

## Материал

Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Отражатель: металлизированная поликарбонат

## Отделка поверхности

Корпус: белый RAL 9003 (W03)

## Срок службы

50,000 часов/L80

## Температура окружающей среды

от -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

DECLAN  
system efficacy  
up to 104 lm/W

## CRI

80+Ra

90+Ra

## CCT

3000 K

4000 K

2700 K

5000 K

6500 K

## ECG

ECG FIX

ECG DALI

## EMERGENCY UNIT

3H

## DIMENSIONS

600x600 up to 3650 lm

300x1200 up to 3650 lm

## MOUNTING

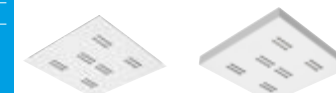
RECESSED

SURFACED

SUSPENDED

DECLAN RECESSED 36

DECLAN SURFACED / SUSPENDED 56

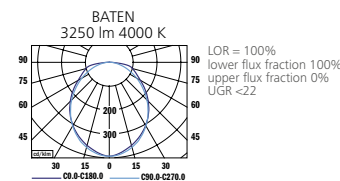






# Baten

## PHOTOMETRY



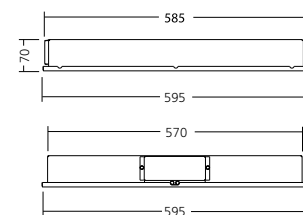
PV1



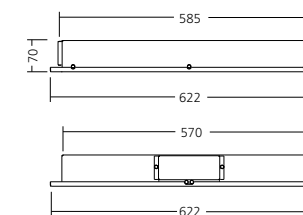
PR1



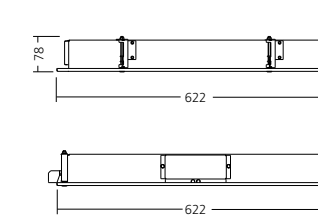
PV1



PR1



PB1



## MOUNTING

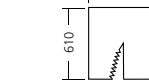
PV (CEILING 600 x 600)



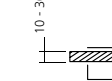
PR (CEILING 625 x 625)



PB



10 - 30 mm



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
BATEN	3100	32	97	80+	3000	90°	360	4.5
BATEN	3250	32	102	80+	4000	90°	380	4.5

Luminous flux tolerance +/- 10%.



EN

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Heatsink: aluminium  
Diffuser: opal PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

DE

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke

**Lichtquelle**  
LED

**Optisches System**  
Opal Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Kühlkörper: Aluminium  
Diffusor: Opal PMMA

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Dissipateur thermique: aluminium  
Diffuseur: PMMA opale

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

SK

**Montáž**  
Vsadené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Těleso: ocelový plech  
Chladič: hliník  
Difúzor: opálový PMMA

**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Disipador de calor: aluminio  
Difusor: ópalo de PMMA

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Dissipatore di calore: alluminio  
Diffusore: PMMA opale

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

RU

**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок

**Источник света**  
LED

**Оптическая система**  
матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Теплопровод: алюминий  
Рассеиватель: матовый полиметилметакрилат

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

As products get more powerful, smarter and smaller, precise thermal design becomes more and more important.

We have extensive thermal testing facilities that allow us to characterise every product to ensure reliable performance. Our thermal design team are also active in research and the development of innovative concepts such as metal foam heatsinks, energy harvesting solutions, thermally optimised hybrid luminaire housings, dielectric liquid cooling and ionic wind generation.





Freyn II Recessed



# FREYN II RECESSED

MICROPRISMA

LED

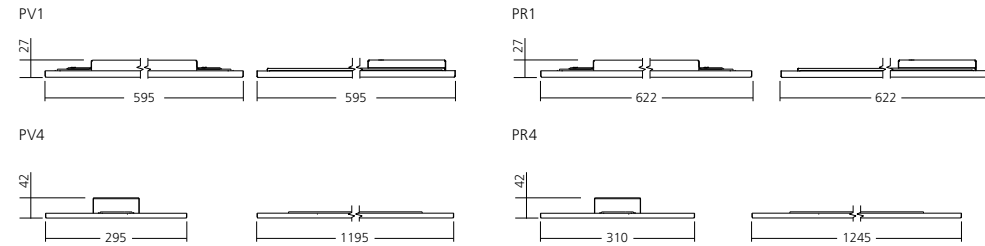
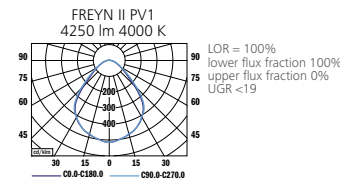


FASTRUNNER



# Freyn II Recessed

## PHOTOMETRY



## MOUNTING

PV (CEILING 600 x 600)

PR (CEILING 625 x 625)



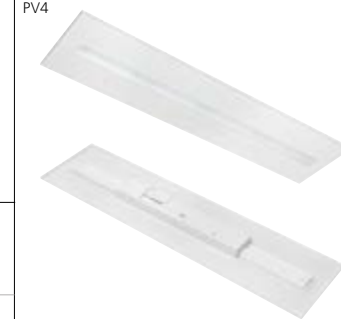
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
FREYN II PV/PR1	2800	26	108	80+	3000	85°, 89°	410	3.1
FREYN II PV/PR1	3050	26	117	80+	4000	85°, 89°	420	3.1
FREYN II PV/PR1	3900	36	108	80+	3000	85°, 89°	410	3.1
FREYN II PV/PR1	4250	36	118	80+	4000	85°, 89°	420	3.1
FREYN II PV/PR4	2800	26	108	80+	3000	84°, 87°	410	3.3
FREYN II PV/PR4	3050	26	117	80+	4000	84°, 87°	420	3.3
FREYN II PV/PR4	3900	36	108	80+	3000	84°, 87°	410	3.3
FREYN II PV/PR4	4250	36	118	80+	4000	84°, 87°	420	3.3

Luminous flux tolerance +/- 10%.

PV1



PV4



FRAME FOR PLASTERBOARD INSTALLATION (PB1)



EN

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
**Light source**  
LED  
**Optical system**  
Microprismatic diffuser (MCD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Diffuser: PMMA  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Frame for plasterboard installation (PV version)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

DE

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
**Lichtquelle**  
LED  
**Optisches System**  
Mikroprismatischer Diffusor (MCD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Diffusor: PMMA  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Rahmen für Gipskarton -Installation (PV-Version)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur microprisme (MCD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Cadre pour l'installation de plaques de plâtre  
(version PV)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

SK

**Montáž**  
Vsadené  
PVx/PRx - Kazetový strop  
**Svetelný zdroj**  
LED  
**Optický systém**  
Mikroprizmatický difúzor (MCD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Těleso: ocelový plech  
Difúzor: PMMA  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Rám pre montáž do sadrokartónového stropu  
(PV verzia)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
**Fuente luminosa**  
LED  
**Sistema óptico**  
Difusor microprismático (MCD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: PMMA  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Capítulo para la instalación de placas de yeso  
(versión PV)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore microprismatico (MCD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: PMMA  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Telaio per l'installazione in cartongesso (versione PV)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

RU

**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
**Источник света**  
LED  
**Оптическая система**  
Микропризматический рассеиватель (MCD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Рамка для установки гипсокартона (PV версия)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

FREYN II system efficacy up to 118 lm/W

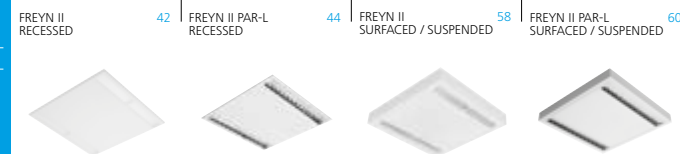
CRI	CCT	ECG	EMERGENCY UNIT	DIMENSIONS
80+Ra	3000 K	ECG FIX	3H	600X600 up to 4250 lm
90+Ra	4000 K	ECG DALI		300x1200 up to 4250 lm
	2700 K			
	5000 K			
	6500 K			

## MOUNTING

RECESSED

SURFACED

SUSPENDED



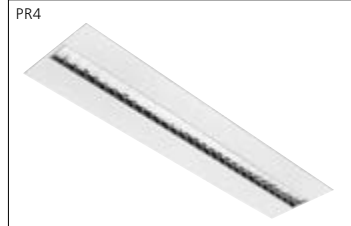
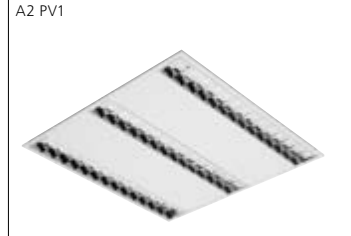
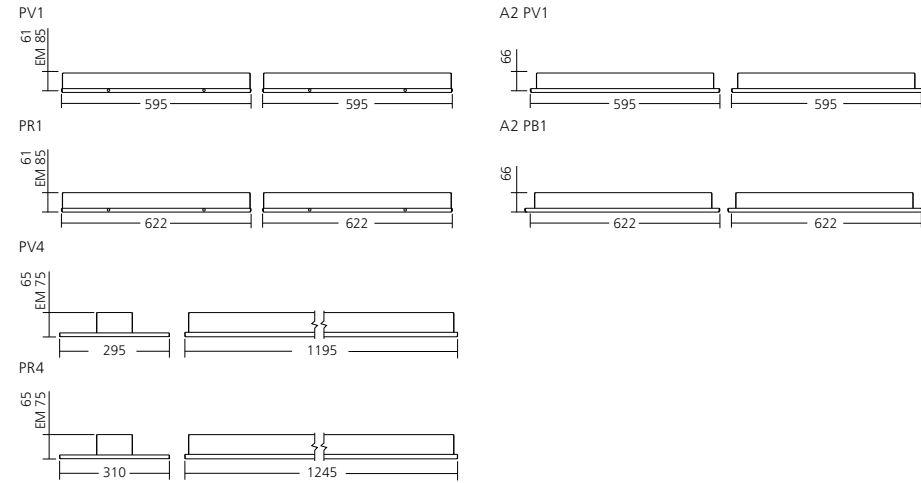
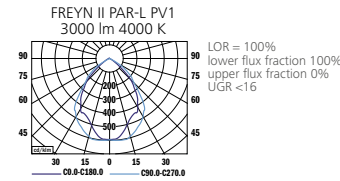


# FREYN II PAR-L RECESSED

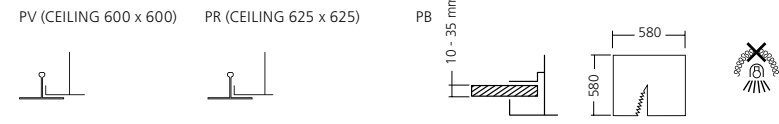
PAR-L  
LED



## PHOTOMETRY



## MOUNTING



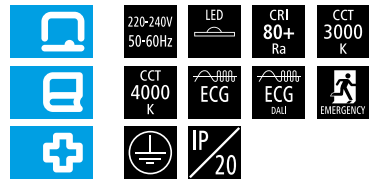
## FRAME FOR PLASTERBOARD INSTALLATION (PB1)



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
FREYN II PAR-L PV/PR1	2850	32	89	80+	3000	79°, 85°	310	4.3
FREYN II PAR-L PV/PR1	3000	32	94	80+	4000	78°, 85°	320	4.3
FREYN II PAR-L PV/PR4	2950	33	89	80+	3000	80°, 86°	300	4.7
FREYN II PAR-L PV/PR4	3100	33	94	80+	4000	80°, 86°	310	4.7
FREYN II A2 PAR-L PV/PB1	3600	39	92	80+	3000	78°	280	4.6
FREYN II A2 PAR-L PV/PB1	3800	39	97	80+	4000	78°	300	4.6

Luminous flux tolerance +/- 10%

# Freyn II Par-L Recessed



## EN

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PB1 - Plasterboard ceiling  
**Light source**  
LED  
**Optical system**  
Parabolic louvre PAR-L (PLL)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Frame for plasterboard installation (PV version)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

## DE

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PB1 - Rigips Decke  
**Lichtquelle**  
LED  
**Optisches System**  
Parabolisches Raster PAR-L (PLL)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Parabolisches Raster: poliertes Aluminium  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Rahmen für Gipskarton-Installation (PV-Version)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

## FR

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PB1 - Rigips Decke  
**Source lumineuse**  
LED  
**Système optique**  
Grille parabolique PAR-L (PLL)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Cadre pour l'installation de plaques de plâtre (version PV)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

## SK

**Montáž**  
Vsadění  
PVx/PRx - Kazetový strop  
PB1 - Sádrokartonový strop  
**Svetelný zdroj**  
LED  
**Optický systém**  
Parabolická mriežka PAR-L (PLL)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Těleso: ocelový plech  
Rejilla parabolica: aluminium pulido  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Rám pre montáž do sadrokartónového stropu (PV verzia)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

## ES

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PB1 - Techo de escayola  
**Fuente luminica**  
LED  
**Sistema óptico**  
Rejilla parabólica PAR-L (PLL)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio pulido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Capítulo para la instalación de placas de yeso (versión PV)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

## IT

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PB1 - Struttura cartongesso  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Griglia parabolica PAR-L (PLL)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Telaio per l'installazione in cartongesso (versione PV)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

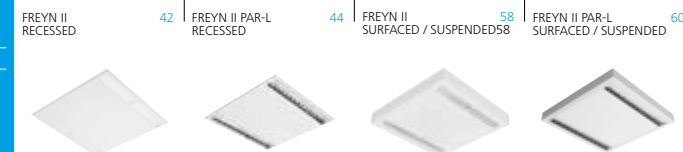
## RU

**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PB1 - Гипсокартонный потолок  
**Источник света**  
LED  
**Оптическая система**  
Параболическая решетка PAR-L (PLL)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Рамка для установки гипсокартона (PV версия)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

FREYN II system efficacy up to 118 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	3H	600x600 up to 4250 lm	RECESSED
90+Ra	4000 K	ECG DALI		300x1200 up to 4250 lm	SURFACED
	2700 K				SUSPENDED
	5000 K				
	6500 K				





# GACRUX ECO RECESSED

OPAL / MICROPRISMA

LED

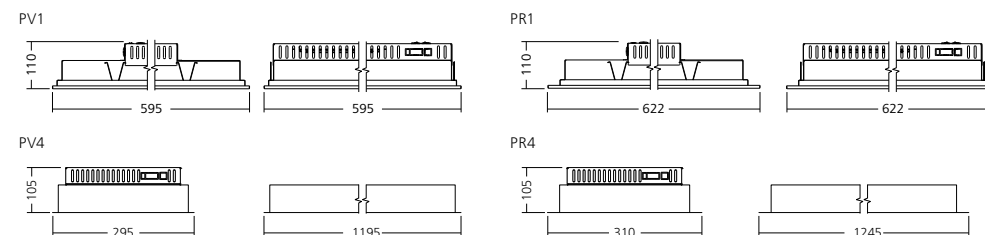
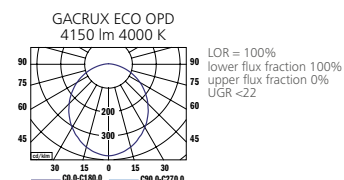
LED

FASTRUNNER



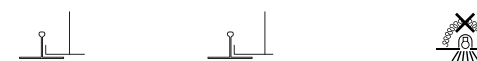
# Gacrux Eco Recessed

## PHOTOMETRY



## MOUNTING

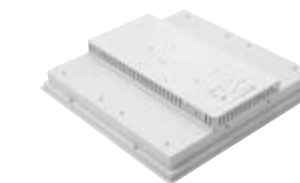
PV (CEILING 600 x 600) PR (CEILING 625 x 625)



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (CO-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
GACRUX ECO PV/PR1 MCD	3500	42	83	80+	3000	87°	210	4.5
GACRUX ECO PV/PR1 MCD	3700	42	88	80+	4000	87°	220	4.5
GACRUX ECO PV/PR1 OPD	3950	42	94	80+	3000	107°	230	5.5
GACRUX ECO PV/PR1 OPD	4150	42	99	80+	4000	107°	240	5.5
GACRUX ECO PV/PR4 MCD	3500	39	90	80+	3000	91°	270	5.0
GACRUX ECO PV/PR4 MCD	3700	39	95	80+	4000	91°	280	5.0
GACRUX ECO PV/PR4 OPD	4050	39	104	80+	3000	107°	290	6.2
GACRUX ECO PV/PR4 OPD	4250	39	109	80+	4000	107°	300	6.2

Luminous flux tolerance +/- 10%

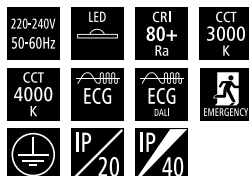
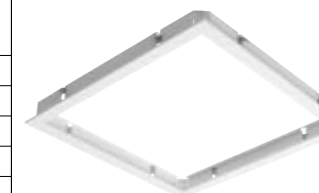
PV1



PV4



FRAME FOR PLASTERBOARD INSTALLATION (PB1)



EN

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
**Light source**  
LED  
**Optical system**  
Opal/microprismatic diffuser (OPD/MCD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Diffuser: PMMA  
Frame: sheet steel  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Frame for plasterboard installation (PV version)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

DE

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
**Lichtquelle**  
LED  
**Optisches System**  
Opaler/mikroprismatischer Diffusor (OPD/MCD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Diffusor: PMMA  
Rahmen: Stahlblech  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Rahmen für Gipskarton -Installation (PV-Version)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale/microprisme (OPD/MCD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA  
Cadre: tôle d'acier  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Cadre pour l'installation de plaques de plâtre (version PV)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

SK

**Montáž**  
Vsaďené  
PVx/PRx - Kasetový strop  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový/mikroprizmatický difúzor (OPD/MCD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: oceľový plech  
Difúzor: PMMA  
Rám: oceľový plech  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Rám pre montáž do sadrokartónového stropu (PV verzia)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
**Fuente luminosa**  
LED  
**Sistema óptico**  
Difusor ópalo/microprismático (OPD/MCD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: PMMA  
Marco: lámina de acero  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Capítulo para la instalación de placas de yeso (versión PV)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale/microprismatico (OPD/MCD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: PMMA  
Cornice: alluminio estruso  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Telaio per l'installazione in cartongesso (versione PV)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

RU

**Установка**  
Потолочная встроенная  
PVx/PRx - Касетный потолок  
**Источник света**  
LED  
**Оптическая система**  
Матовый/микропризм. рассеиватель (OPD/MCD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: полиметилметакрилат  
Каркас: листовая сталь  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Рамка для установки гипскартона (PV версия)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

GACRUX system efficacy up to 109 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	3H	OPAL	600x600 up to 4150 lm	RECESSED
90+Ra	4000 K	ECG DALI		MICROPRISMA	300x1200 up to 4250 lm	SURFACED
	2700 K					SUSPENDED
	5000 K					
	6500 K					





NEW

## GACRUX TW RECESSED

OPAL / MICROPRISMA

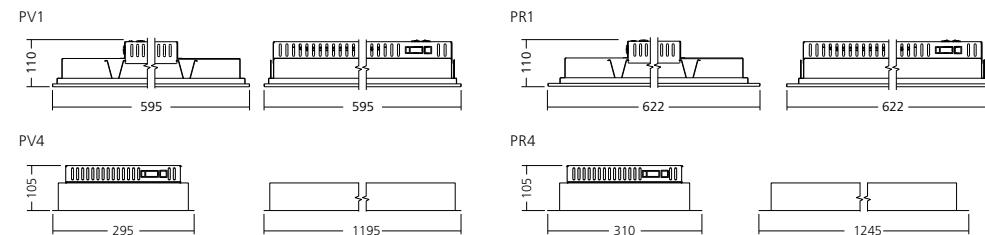
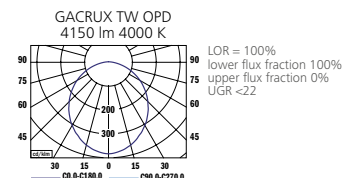
LED

LED



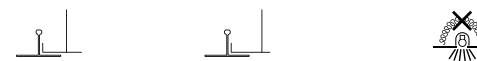
# Gacrux TW Recessed

## PHOTOMETRY



## MOUNTING

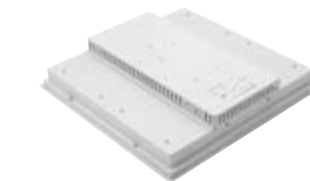
PV (CEILING 600 x 600) PR (CEILING 625 x 625)



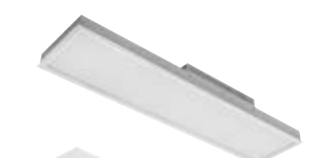
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
GACRUX TW PV/PR1 MCD	3500-3700	42	83-88	80+	3000-6500	87°	4.9
GACRUX TW PV/PR1 OPD	3950-4150	42	94-99	80+	3000-6500	107°	5.9
GACRUX TW PV/PR4 MCD	3500-3700	39	90-95	80+	3000-6500	91°	5.5
GACRUX TW PV/PR4 OPD	4050-4250	39	104-109	80+	3000-6500	107°	6.7

Luminous flux tolerance +/- 10%

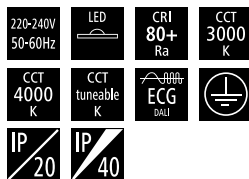
PV1



PV4



FRAME FOR PLASTERBOARD INSTALLATION (PB1)



EN

## Mounting

Ceiling recessed

PVx/PRx - T-ceiling

## Light source

LED

## Optical system

Opal/microprismatic diffuser (OPD/MCD)

## Wiring

Electronic control gear DALI (EDA)

## Materials

Housing: sheet steel

Diffuser: PMMA

Frame: sheet steel

## Surface finish

Housing: white RAL 9003 (W03)

## Accessories

Frame for plasterboard installation (PV version)

## Service lifetime

50,000 hours/L80

## Ambient temperature

From -20 °C to +35 °C

DE

## Montage

Einbauleuchte

PVx/PRx - Sichtbare T-Schiene Decke

## Lichtquelle

LED

## Optisches System

Opaler/mikroprismatischer Diffusor (OPD/MCD)

## Vorschaltgerät

Elektronisches Vorschaltgerät DALI (EDA)

## Material

Körper: Stahlblech

Diffusor: PMMA

Rahmen: Stahlblech

## Oberflächenveredelung

Körper: weiss RAL 9003 (W03)

## Zubehör

Rahmen für Gipskarton -Installation (PV-Version)

## Lebensdauer

50,000 Stunden/L80

## Umgebungstemperatur

Von -20 °C bis +35 °C

FR

## Montage

Plafonnier encastrable

PVx/PRx - Un faux plafond

## Source lumineuse

LED

## Système optique

Diffuseur opale/microprisme (OPD/MCD)

## Équipement électrique

Ballast électronique DALI (EDA)

## Matériels

Corps: tôle d'acier

Diffusor: PMMA

Cadre: tôle d'acier

## Finition de surface

Corps: blanc RAL 9003 (W03)

## Accessoires

Cadre pour l'installation de plaques de plâtre (version PV)

## Durée de vie utile

50,000 heures/L80

## Température ambiante

De -20 °C à +35 °C

SK

## Montáž

Všadené

PVx/PRx - Kazetový strop

## Svetelný zdroj

LED

## Optický systém

Opálový/mikroprizmatický difúzor (OPD/MCD)

## Elektrická výbava

Elektronický predradník DALI (EDA)

## Materiál

Teleso: oceľový plech

Difúzor: PMMA

Rám: oceľový plech

## Povrchová úprava

Teleso: biela RAL 9003 (W03)

## Príslušenstvo

Rám pre montáž do sadrokartónového stropu (PV verzia)

## Servisná životnosť

50,000 hodin/L80

## Teplota okolia

Od -20 °C do +35 °C

ES

## Montaje

Empotradas en el techo

PVx/PRx - Techo T

## Fuente luminica

LED

## Sistema óptico

Difusor ópalo/microprismático (OPD/MCD)

## Cableado

Equipo de control electrónico DALI (EDA)

## Material

Cuerpo: lámina de acero

Difusor: PMMA

Marco: lámina de acero

## Tratamiento de la superficie

Cuerpo: blanco RAL 9003 (W03)

## Accesorios

Capítulo para la instalación de placas de yeso (versión PV)

## Vida útil

50,000 horas/L80

## Temperatura ambiente

Desde -20 °C a +35 °C

IT

## Installazione

Ad incasso a soffitto

PVx/PRx - Struttura in vista

## Sorgente luminosa

LED

## Sistema ottico

Diffusore opale/microprismatico (OPD/MCD)

## Cablaggio

Ballast elettronico DALI (EDA)

## Materiali

Corpo: lamina d'acciaio

Diffusore: PMMA

Cornice: alluminio estruso

## Finitura

Corpo: bianco RAL 9003 (W03)

## Accessori

Telaio per l'installazione in cartongesso (versione PV)

## Durata di vita

50,000 ore/L80

## Temperatura d'ambiente

Da -20 °C a +35 °C

RU

## Установка

Потолочная встроенная

PVx/PRx - Кассетный потолок

## Источник света

LED

## Оптическая система

Матовый/микропризм. рассеиватель (OPD/MCD)

## Электрическое оснащение

Электронный аппарат DALI (EDA)

## Материал

Корпус: листовая сталь

Рассеиватель: полиметилметакрилат

Каркас: листовая сталь

## Отделка поверхности

Корпус: белый RAL 9003 (W03)

## Аксессуары

Рамка для установки гипскартона (PV версия)

## Срок службы

50,000 часов/L80

## Температура окружающей среды

От -20 °C до +35 °C

## SPECIFICATION MATRIX

GACRUX system efficacy up to 109 lm/W

CRI

80+Ra

90+Ra

3000 K

4000 K

2700 K

5000 K

6500 K

ECG

ECG FIX

ECG DALI

EMERGENCY UNIT

3H

DIFFUSER

OPAL

MICROPRISMA

DIMENSIONS

600x600 up to 4150 lm

300x1200 up to 4250 lm

MOUNTING

RECESSED

SURFACED

SUSPENDED

GACRUX ECO RECESSED

46

GACRUX TW RECESSED

48

GACRUX XTP

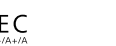
52

GACRUX ECO SURFACED / SUSPENDED

62

GACRUX TW SURFACED / SUSPENDED

64







Gacrux XTP



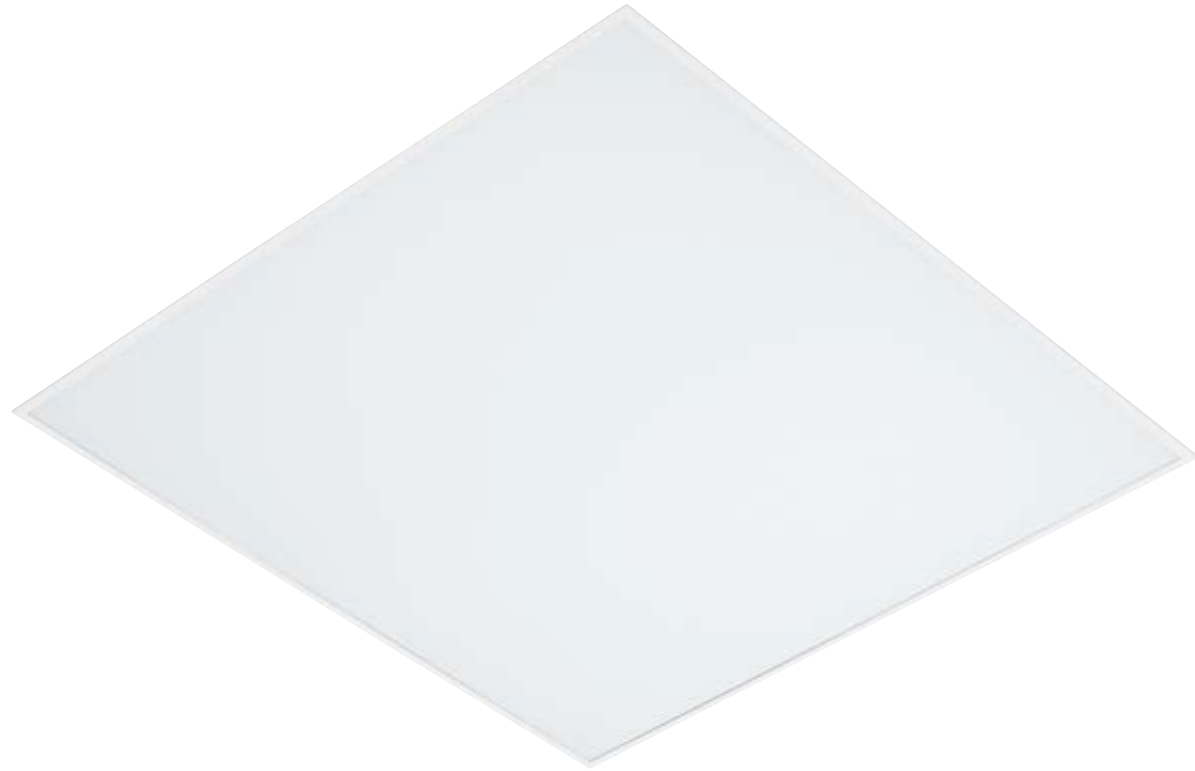
NEW

# GACRUX XTP

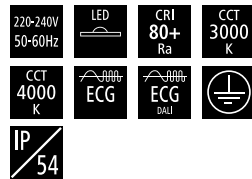
## OPAL / MICROPRISMA

### LED

LED



# Gacrux XTP



EN

**Mounting**Ceiling recessed  
PVx/PRx - T-ceiling**Light source**  
LED**Optical system**  
Opal/microprismatic diffuser (OPD/MCD)**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
External lead-in flexible cable**Materials**Housing: sheet steel  
Diffuser: PMMA  
Frame: extruded aluminium**Surface finish**  
Housing: white RAL 9003 (W03)**Accessories**  
Frame for plasterboard installation (PV version)**Service lifetime**  
50,000 hours/L80**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke**Lichtquelle**

LED

**Optisches System**  
Opaler/mikroprismatischer Diffusor (OPD/MCD)**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Externes Anschlusskabel**Material**Körper: Stahlblech  
Diffusor: PMMA  
Rahmen: extrudiertes Aluminium**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)**Zubehör**  
Rahmen für Gipskarton -Installation (PV-Version)**Lebensdauer**  
50,000 Stunden/L80**Umgebungstemperatur**  
Von -20 °C bis +35 °C

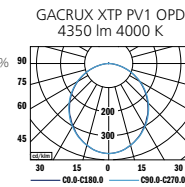
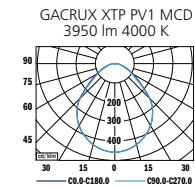
FR

**Montage**Plafonnier encastrable  
PVx/PRx - Un faux plafond**Source lumineuse**

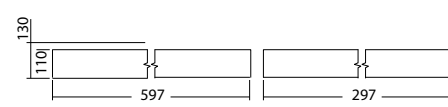
LED

**Système optique**  
Diffuseur opale/microprisme (OPD/MCD)**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Artère externe**Matériels**Corps: tôle d'acier  
Diffusor: PMMA  
Cadre: aluminium extrudé**Finition de surface**  
Corps: blanc RAL 9003 (W03)**Accessoires**  
Cadre pour l'installation de plaques de plâtre (version PV)**Durée de vie utile**  
50,000 heures/L80**Température ambiante**  
De -20 °C à +35 °C

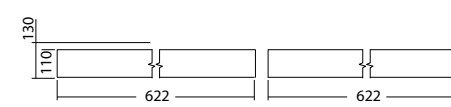
## PHOTOMETRY



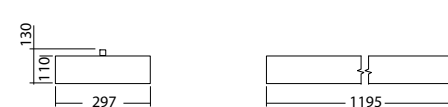
PV1



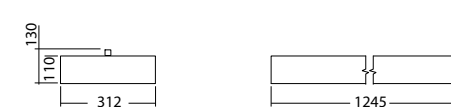
PR1



PV4



PR4



## MOUNTING

PV (CEILING 600 x 600)



PR (CEILING 625 x 625)



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
GACRUX PV/PR1 MCD	3500	40	88	80+	3000	94°	210	8.1
GACRUX PV/PR1 OPD	3950	40	99	80+	4000	94°	220	8.1
GACRUX PV/PR1 MCD	3850	40	96	80+	3000	107°	190	8.1
GACRUX PV/PR1 OPD	4350	40	109	80+	4000	107°	200	8.1
GACRUX PV/PR4 MCD	3000	39	77	80+	3000	93°	240	9.6
GACRUX PV/PR4 OPD	3350	39	86	80+	4000	93°	250	9.6
GACRUX PV/PR4 MCD	3450	39	88	80+	3000	106°	220	9.6
GACRUX PV/PR4 OPD	3900	39	100	80+	4000	106°	230	9.6

Luminous flux tolerance +/- 10%.

PV1



FRAME FOR PLASTERBOARD INSTALLATION (PB1)



OPAL ODM



MICROPRISMATIC MCD



CRI

80+Ra  
90+Ra

CCT

3000 K  
4000 K  
2700 K  
5000 K  
6500 K

ECG

ECG FIX  
ECG DALI

EMERGENCY UNIT

3H

DIFFUSER

OPAL  
MICROPRISMA

DIMENSIONS

600x600 up to 4150 lm  
300x1200 up to 4250 lm

MOUNTING

RECESSED  
SURFACED  
SUSPENDED

GACRUX ECO RECESSED

46

GACRUX TW RECESSED

48

GACRUX XTP

52

GACRUX ECO SURFACED / SUSPENDED

62

GACRUX TW SURFACED / SUSPENDED

64





NEW

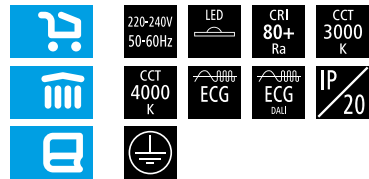
EDAN RECESSED

MATT  
LED

LED



# Edan Recessed



EN

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Asymmetric matt reflector (ASM)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**

Housing: sheet steel  
Reflector: matt anodised aluminium

**Surface finish**  
Housing: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Asymmetrisch matter Reflektor (ASM)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**

Körper: Stahlblech  
Reflektor: mattes eloxiertes Aluminium

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur asymétrique mat (ASM)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**

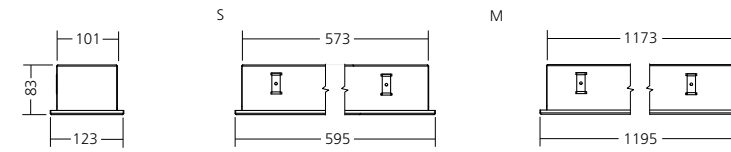
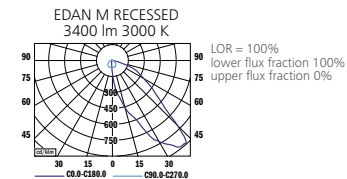
Corps: tôle d'acier  
Réflecteur: aluminium anodisé mat

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

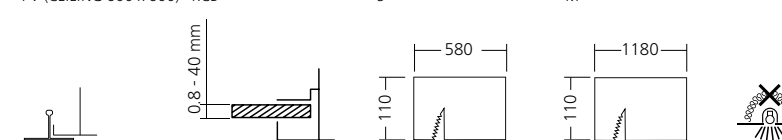
**Température ambiante**  
De -20 °C à +35 °C

PHOTOMETRY



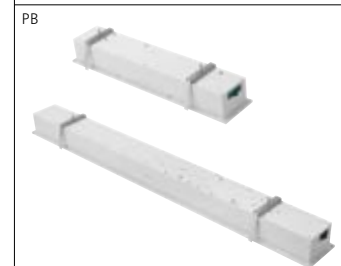
MOUNTING

PV (CEILING 600 x 600) RCB



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
EDAN RECESSED S	2150	26	83	80+	3000	2.0
EDAN RECESSED S	2250	26	87	80+	4000	2.0
EDAN RECESSED M	3400	39	87	80+	3000	3.5
EDAN RECESSED M	3600	39	92	80+	4000	3.5

Luminous flux tolerance +/- 10%.



RECESSED LUMINAIRES

SK

**Montáž**  
Vsadené

**Svetelný zdroj**  
LED

**Optický systém**  
Asymetrický matný reflektor (ASM)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**

Teleso: oceľový plech  
Reflektor: matný anodizovaný hliník

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector asimétrico mate (ASM)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**

Cuerpo: lámina de acero  
Reflector: aluminio anodizado mate

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore asimmetrico opaco (ASM)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**

Corpo: lamina d'acciaio  
Riflettore: alluminio anodizzato opaco

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная встроенная

**Источник света**  
LED

**Оптическая система**  
Асимметричный матовый отражатель (ASM)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**

Корпус: листовая сталь  
Отражатель: матовый анодированный алюминий

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

EDAN  
system efficacy  
up to 92 lm/W

CRI

80+Ra

90+Ra

CCT

3000 K

4000 K

2700 K

5000 K

6500 K

ECG

ECG FIX

ECG DALI

REFLECTOR

MAT

DIMENSIONS

S 300x600 up to 2250 lm

M 300x1200 up to 3600 lm

MOUNTING

RECESSED

SURFACED

SUSPENDED

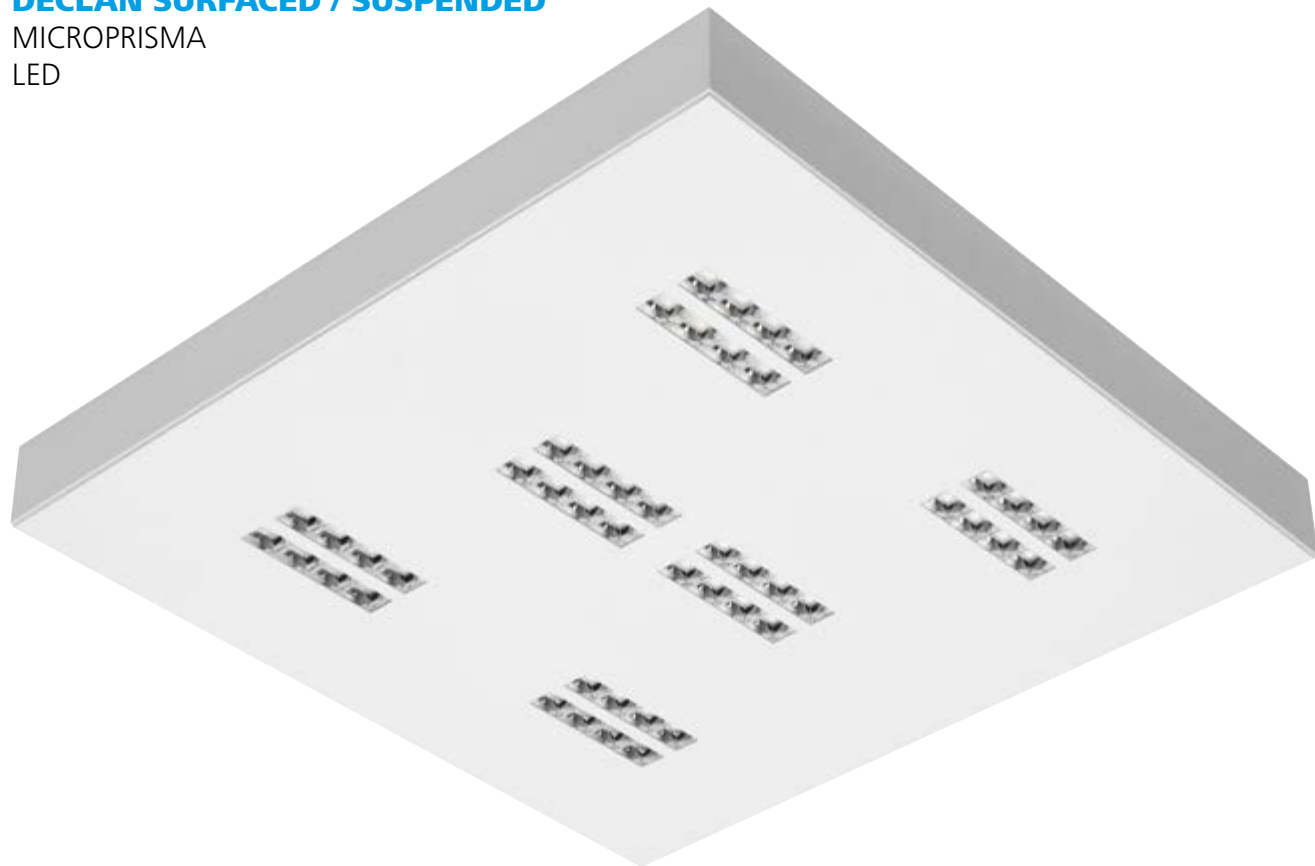


NEW

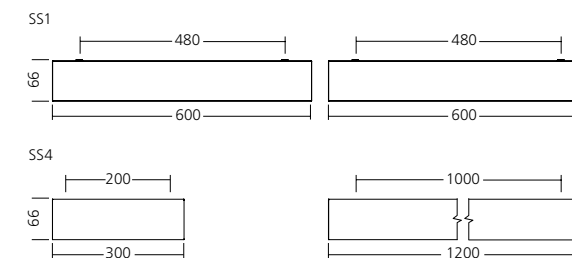
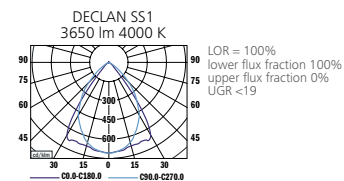
## DECLAN SURFACED / SUSPENDED

MICROPRISMA  
LED

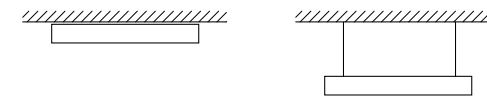
FASTRUNNER

Declan  
Surfacled / Suspended

## PHOTOMETRY



## MOUNTING

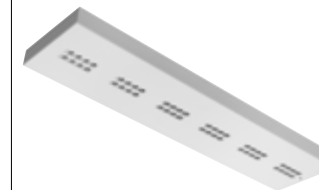


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
DECLAN SS1	3450	35	99	80+	3000	74°	310	8.2
DECLAN SS1	3650	35	104	80+	4000	74°	330	8.2
DECLAN SS4	3450	35	99	80+	3000	74°	310	8.2
DECLAN SS4	3650	35	104	80+	4000	74°	330	8.2

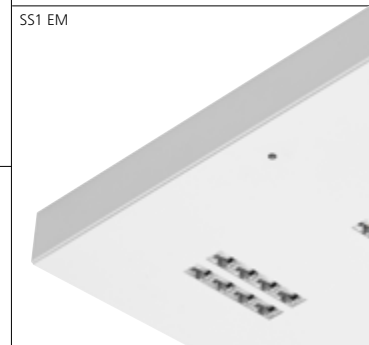
Luminous flux tolerance +/- 10%.



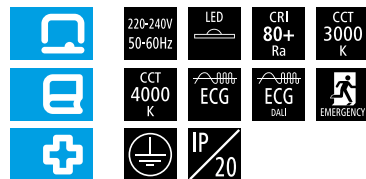
SS4



SS1 EM



SUS 1.35 C0/003 SUSPENSION 03



## EN

**Mounting**  
Surfacled/Suspended (SSx)

**Light source**  
LED

**Optical system**  
Diffuser + reflector (MCL)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Reflector: polished metallized polycarbonate

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Rope suspension

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

## DE

**Montage**  
Deckenleuchte/Hängend (SSx)

**Lichtquelle**  
LED

**Optisches System**  
Diffusor + Reflektor (MCL)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Diffusor: mikropismatisches PMMA  
Reflektor: metallisiertes Polycarbonat

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Zubehör**  
Seilabhängung

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

## FR

**Montage**  
Plafonnier apparent/Suspendu (SSx)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur + réflecteur (MCL)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Diffusor: mikropismatisches PMMA  
Réflecteur: polycarbonate métallisé

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Câble de suspension

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

## SK

**Montáž**  
Prisadené/Závesné (SSx)

**Svetelný zdroj**  
LED

**Optický systém**  
Difúzor + reflektor (MCL)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Těleso: ocelový plech  
Difúzor: mikropismatiský PMMA  
Reflektor: pokovený polykarbonát

**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Lankový záves

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

## ES

**Montaje**  
Sobrepuestas en el techo/Suspendidas (SSx)

**Fuente luminosa**  
LED

**Sistema óptico**  
Difusor + reflector (MCL)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reflector: policarbonato metalizado

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Cable de suspensión

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

## IT

**Installazione**  
A plafone/A sospensione (SSx)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore + riflettore (MCL)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Riflettore: policarbonato metallizzato

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Cavo di sospensione

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

## RU

**Установка**  
Потолочная накладная/Подвесная (SSx)

**Источник света**  
LED

**Оптическая система**  
Рассеиватель + отражатель (MCL)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризм. полиметилметакрилат  
Отражатель: металлизированный поликарбонат

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Тросовый подвес

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

DECLAN  
system efficacy  
up to 104 lm/W

## CRI

80+Ra

90+Ra

## CCT

3000 K

4000 K

2700 K

5000 K

6500 K

## ECG

ECG FIX

ECG DALI

## EMERGENCY UNIT

3H

## DIMENSIONS

SS1 595x595 up to 3650 lm

SS4 295x1195 up to 3650 lm

## MOUNTING

RECESSED

SURFACED

SUSPENDED

DECLAN RECESSED 36



DECLAN SURFACED / SUSPENDED 56





NEW

FREYN II SURFACED / SUSPENDED

MICROPRISMA

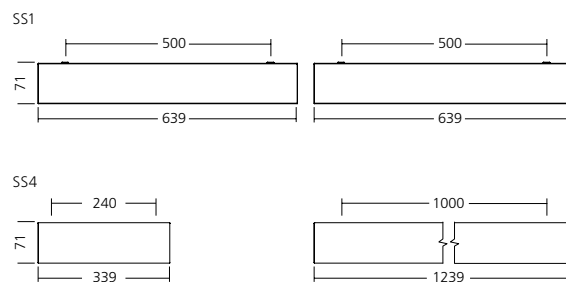
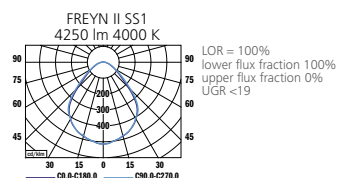
LED

FASTRUNNER

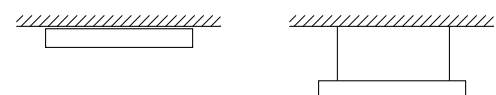


# Freyn II Surfacd / Suspended

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
FREYN II SS1	2800	26	108	80+	3000	85°, 89°	410	8.0
FREYN II SS1	3050	26	117	80+	4000	85°, 89°	420	8.0
FREYN II SS1	3900	36	108	80+	3000	85°, 89°	410	8.0
FREYN II SS1	4250	36	118	80+	4000	85°, 89°	420	8.0
FREYN II SS4	2800	26	108	80+	3000	84°, 87°	410	8.5
FREYN II SS4	3050	26	117	80+	4000	84°, 87°	420	8.5
FREYN II SS4	3900	36	108	80+	3000	84°, 87°	410	8.5
FREYN II SS4	4250	36	118	80+	4000	84°, 87°	420	8.5

Luminous flux tolerance +/- 10%.

SS1



SS4



SUS 1.35 C0/003 SUSPENSION 03



EN

**Mounting**  
Surfacd/Suspended (SSx)  
**Light source**  
LED  
**Optical system**  
Microprismatic diffuser (MCD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Diffuser: PMMA  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

DE

**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
LED  
**Optisches System**  
Mikroprismatischer Diffusor (MCD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Diffusor: PMMA  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Seilabhängung  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**  
Plafonnier apparent/Suspendu (SSx)  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur microprisme (MCD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante s' n'urgence (3H)  
**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

SK

**Montáž**  
Prisadené/Závesné (SSx)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Mikroprizmatický difúzor (MCD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: oceľový plech  
Difúzor: PMMA  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Sobrepuestas en el techo/Suspendidas (SSx)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor microprismático (MCD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: PMMA  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore microprismatico (MCD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: PMMA  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

RU

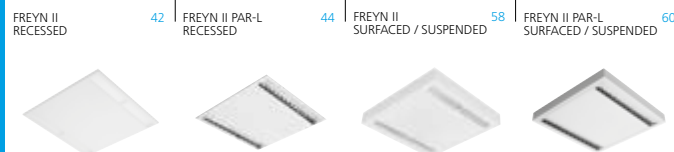
**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
LED  
**Оптическая система**  
Микропризматический рассеиватель (MCD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

SPECIFICATION MATRIX

FREYN II system efficacy up to 118 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	DIMENSIONS
80+Ra	3000 K	ECG FIX	3H	SS1 600x600 up to 4150 lm
90+Ra	4000 K	ECG DALI		SS4 300x1200 up to 4250 lm
	2700 K			
	5000 K			
	6500 K			

MOUNTING  
RECESSED  
SURFACD  
SUSPENDED

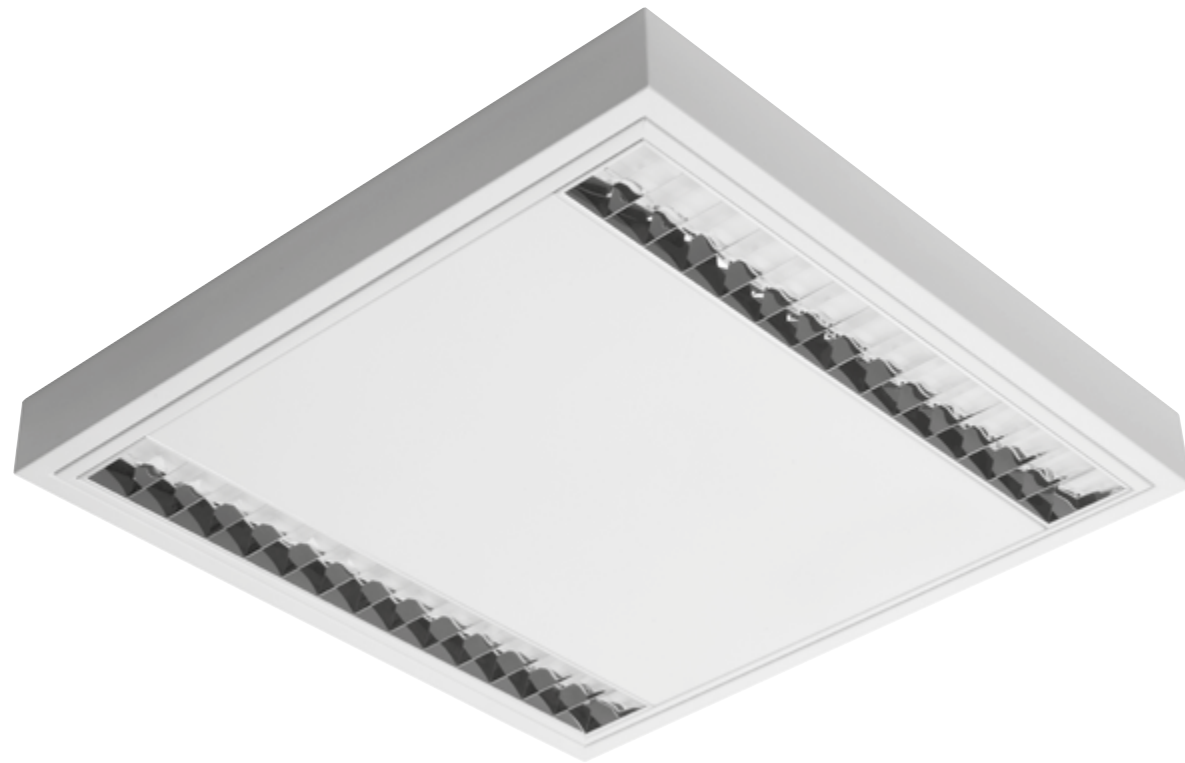


NEW

## FREYN II PAR-L SURFACED / SUSPENDED

PAR-L  
LED

LED



# Freyn II Par-L Surfaced / Suspended



EN

**Mounting**  
Surfaced/Suspended (SSx)  
**Light source**  
LED  
**Optical system**  
Parabolic louvre PAR-L (PLL)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

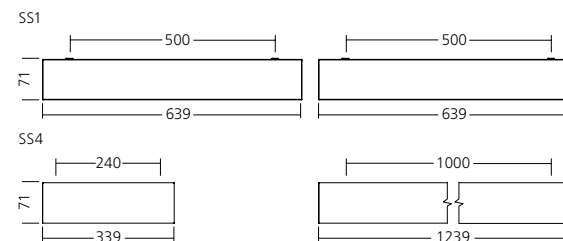
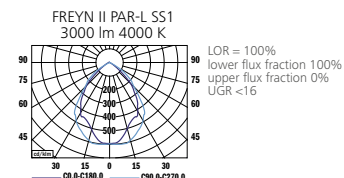
DE

**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
LED  
**Optisches System**  
Parabolisches Raster PAR-L (PLL)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Grille parabolische Raster: poliertes Aluminium  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Seilauflhängung  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

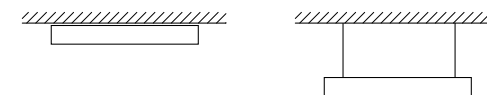
FR

**Montage**  
Plafonnier apparent/Suspendu (SSx)  
**Source lumineuse**  
LED  
**Système optique**  
Grille parabolique PAR-L (PLL)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

## PHOTOMETRY



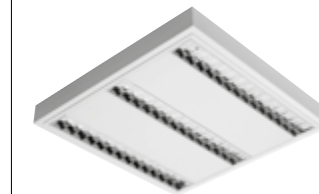
## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
FREYN II PAR-L SS1	2850	32	89	80+	3000	79°, 85°	310	9.2
FREYN II PAR-L SS1	3000	32	94	80+	4000	78°, 85°	320	9.2
FREYN II PAR-L SS4	2950	33	89	80+	3000	80°, 86°	300	9.9
FREYN II PAR-L SS4	3100	33	94	80+	4000	80°, 86°	310	9.9
FREYN II AZ PAR-L SS1	3600	39	92	80+	3000	78°	280	9.5
FREYN II AZ PAR-L SS1	3800	39	97	80+	4000	78°	300	9.5

Luminous flux tolerance +/- 10%

A2 SS1



SS4



SUS 1.35 C0/003 SUSPENSION 03



RU

**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
LED  
**Оптическая система**  
Параболическая решетка PAR-L (PLL)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

FREYN II  
system efficacy  
up to 118 lm/W

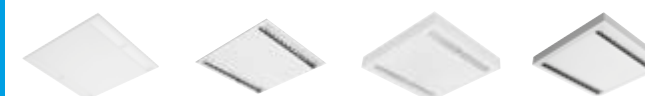
CRI	CCT	ECG	EMERGENCY UNIT	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	UNIT	SS1 600x600 up to 4150 lm	RECESSED
90+Ra	4000 K	ECG DALI	3H	SS4 300x1200 up to 4250 lm	SURFACED
	2700 K				SUSPENDED
	5000 K				
	6500 K				

42 FREYN II PAR-L RECESSED

44 FREYN II SURFACED / SUSPENDED

58 FREYN II PAR-L SURFACED / SUSPENDED

60 FREYN II PAR-L SURFACED / SUSPENDED





# GACRUX ECO SURFACED / SUSPENDED

OPAL / MICROPRISMA

LED

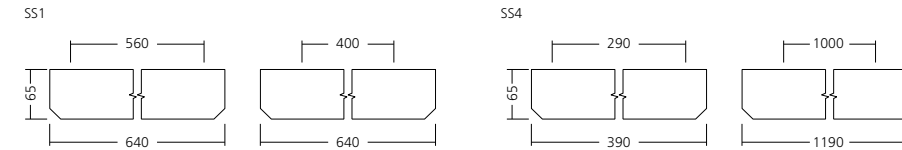
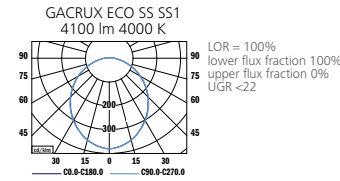
LED

FASTRUNNER

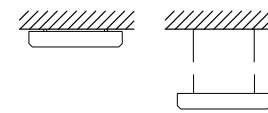


# Gacrux Eco Surfacd / Suspended

## PHOTOMETRY



## MOUNTING



SS1



SS4



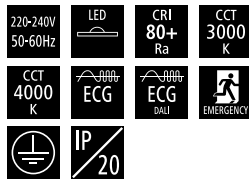
EMERGENCY



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
GACRUX ECO SS1 MCD	3700	43	86	80+	3000	87°	220	6.0
GACRUX ECO SS1 MCD	3850	43	90	80+	4000	87°	230	6.0
GACRUX ECO SS1 OPD	3950	43	92	80+	3000	104°	220	6.0
GACRUX ECO SS1 OPD	4100	43	95	80+	4000	104°	230	6.0
GACRUX ECO SS4 MCD	3700	43	86	80+	3000	87°	220	6.5
GACRUX ECO SS4 MCD	3850	43	90	80+	4000	87°	230	6.5
GACRUX ECO SS4 OPD	3950	43	92	80+	3000	104°	220	6.5
GACRUX ECO SS4 OPD	4100	43	95	80+	4000	104°	230	6.5

Luminous flux tolerance +/- 10%.

SUS 1.35 C0/003 SUSPENSION 03



EN

**Mounting**  
Surfacd/Suspended (SSx)  
**Light source**  
LED  
**Optical system**  
Opal/microprismatic diffuser (OPD/MCD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Diffuser: PMMA  
Frame: sheet steel  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

DE

**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
LED  
**Optisches System**  
Opaler/mikroprismatischer Diffusor (OPD/MCD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Diffusor: PMMA  
Rahmen: Stahlblech  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Seilauflhängung  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**  
Plafonnier apparent/Suspendu (SSx)  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale/microprisme (OPD/MCD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA  
Cadre: tôle d'acier  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

SK

**Montáž**  
Prisadené/Závesné (SSx)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový/mikroprizmatický difúzor (OPD/MCD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: oceľový plech  
Difúzor: PMMA  
Rám: oceľový plech  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Sobrepuestas en el techo/Suspendidas (SSx)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor ópalo/microprismático (OPD/MCD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: PMMA  
Marco: lámina de acero  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale/microprismatico (OPD/MCD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: PMMA  
Cornice: alluminio estruso  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
LED  
**Оптическая система**  
Матовый/микропризм. рассеиватель (OPD/MCD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: полиметилметакрилат  
Каркас: листовая сталь  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

GACRUX system efficacy up to 109 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	3H	OPAL	600x600 up to 4150 lm	RECESSED
90+Ra	4000 K	ECG DALI		MICROPRISMA	300x1200 up to 4250 lm	SURFACED
	2700 K					SUSPENDED
	5000 K					
	6500 K					

GACRUX ECO RECESSED 46 GACRUX TW RECESSED 48 GACRUX XTP 52 GACRUX ECO SURFACED / SUSPENDED 62 GACRUX TW SURFACED / SUSPENDED 64



NEW

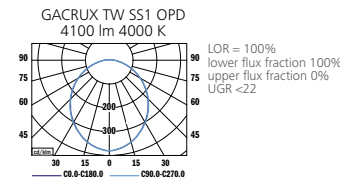
**GACRUX TW SURFACED / SUSPENDED**

OPAL / MICROPRISMA  
LED



# Gacrux TW Surfacéd / Suspended

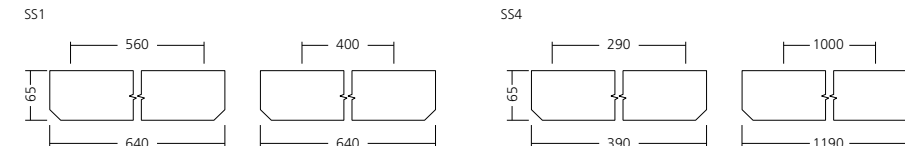
**PHOTOMETRY**



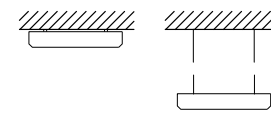
SS1



SS4



**MOUNTING**



EMERGENCY



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
GACRUX TW SS1 MCD	3700-3850	43	86-90	80+	3000-6500	87°	6.5
GACRUX TW SS1 OPD	3950-4100	43	92-95	80+	3000-6500	104°	6.5
GACRUX TW SS4 MCD	3700-3850	43	86-90	80+	3000-6500	87°	7.0
GACRUX TW SS4 OPD	3950-4100	43	92-95	80+	3000-6500	104°	7.0

Luminous flux tolerance +/- 10%.

SUS 1.35 C0/003 SUSPENSION 03



220-240V 50-60Hz  
LED  
CRI 80+ Ra  
CCT 3000 K  
CCT 4000 K  
CCT tuneable K  
ECG DALI  
IP 20

**EN**  
**Mounting** Surfacéd/Suspended (SSx)  
**Light source** LED  
**Optical system** Opal/micropismatic diffuser (OPD/MCD)  
**Wiring** Electronic control gear DALI (EDA)  
**Materials** Housing: sheet steel  
Diffuser: PMMA  
Frame: sheet steel  
**Surface finish** Housing: white RAL 9003 (W03)  
**Accessories** Rope suspension  
**Service lifetime** 50,000 hours/L80  
**Ambient temperature** From -20 °C to +35 °C

**DE**  
**Montage** Deckenleuchte/Hängend (SSx)  
**Lichtquelle** LED  
**Optisches System** Opaler/mikroprismatischer Diffusor (OPD/MCD)  
**Vorschaltgerät** Elektronisches Vorschaltgerät DALI (EDA)  
**Material** Körper: Stahlblech  
Diffusor: PMMA  
Rahmen: Stahlblech  
**Oberflächenveredelung** Körper: weiss RAL 9003 (W03)  
**Zubehör** Seilauflhängung  
**Lebensdauer** 50,000 Stunden/L80  
**Umgebungstemperatur** Von -20 °C bis +35 °C

**FR**  
**Montage** Plafonnier apparent/Suspendu (SSx)  
**Source lumineuse** LED  
**Système optique** Diffuseur opale/microprisme (OPD/MCD)  
**Équipement électrique** Ballast électronique DALI (EDA)  
**Matériels** Corps: tôle d'acier  
Diffusor: PMMA  
Cadre: tôle d'acier  
**Finition de surface** Corps: blanc RAL 9003 (W03)  
**Accessoires** Câble de suspension  
**Durée de vie utile** 50,000 heures/L80  
**Température ambiante** De -20 °C à +35 °C

**SK**  
**Montáž** Prísadené/Závesné (SSx)  
**Svetelný zdroj** LED  
**Optický systém** Opálový/mikroprizmatický difúzor (OPD/MCD)  
**Elektrická výbava** Elektronický predradník DALI (EDA)  
**Material** Teleso: oceľový plech  
Difúzor: PMMA  
Rám: oceľový plech  
**Povrchová úprava** Teleso: biela RAL 9003 (W03)  
**Príslušenstvo** Lankový záves  
**Service životnosť** 50,000 hodín/L80  
**Teplota okolia** Od -20 °C do +35 °C

**ES**  
**Montaje** Sobrepuestas en el techo/Suspendidas (SSx)  
**Fuente luminica** LED  
**Sistema óptico** Difusor ópalo/micropismatico (OPD/MCD)  
**Cableado** Equipo de control electrónico DALI (EDA)  
**Material** Cuerpo: lámina de acero  
Difusor: PMMA  
Marco: lámina de acero  
**Tratamiento de la superficie** Cuerpo: blanco RAL 9003 (W03)  
**Accesorios** Cable de suspensión  
**Vida útil** 50,000 horas/L80  
**Temperatura ambiente** Desde -20 °C a +35 °C

**IT**  
**Installazione** A plafone/A sospensione (SSx)  
**Sorgente luminosa** LED  
**Sistema ottico** Diffusore opale/micropismatico (OPD/MCD)  
**Cablaggio** Ballast elettronico DALI (EDA)  
**Materiali** Corpo: lamina d'acciaio  
Diffusore: PMMA  
Cornice: alluminio estruso  
**Finitura** Corpo: bianco RAL 9003 (W03)  
**Accessori** Cavo di sospensione  
**Durata di vita** 50,000 ore/L80  
**Temperatura d'ambiente** Da -20 °C a +35 °C

**RU**  
**Установка** Потолочная накладная/Подвесная (SSx)  
**Источник света** LED  
**Оптическая система** Матовый/микроприз. рассеиватель (OPD/MCD)  
**Электрическое оснащение** Электронный аппарат DALI (EDA)  
**Материал** Корпус: листовая сталь  
Рассеиватель: полиметилметакрилат  
Каркас: листовая сталь  
**Отделка поверхности** Корпус: белый RAL 9003 (W03)  
**Аксессуары** Тросовый подвес  
**Срок службы** 50,000 часов/L80  
**Температура окружающей среды** От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	3H	OPAL MICROPRISMA	600x600 up to 4150 lm 300x1200 up to 4250 lm	RECESSED SURFACED SUSPENDED







Clearance

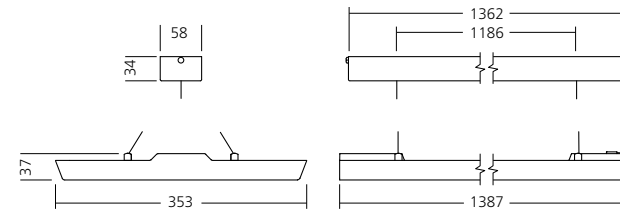
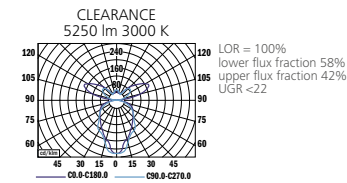


**CLEARANCE**  
TRANSPARENT  
LED

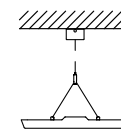


# Clearance

## PHOTOMETRY

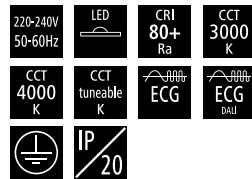


## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CLEARANCE	5250	69	76	80+	3000	74°, 82°	10.0
CLEARANCE	5450	69	79	80+	4000	74°, 82°	10.0
CLEARANCE TW	5250-5450	69	76-79	80+	3000-6500	74°, 82°	10.0

Luminous flux tolerance +/- 10%



## EN

**Mounting**  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Transparent diffuser (TRD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: aluminium  
Diffuser: PMMA  
Gear box: sheet steel  
Rope suspension  
**Surface finish**  
Housing: grey RAL 9006 (G06)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

## DE

**Montage**  
Hängend (SSD)  
**Lichtquelle**  
LED  
**Optisches System**  
durchsichtig Diffusor (TRD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Aluminium  
Diffusor: PMMA  
Vorschaltbox: Stahlblech  
Seilauflhängung  
**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

## FR

**Montage**  
Plafonnier Suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur transparente (TRD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: aluminium  
Diffusor: PMMA  
Boîte de vitesse: tôle d'acier  
Câble de suspension  
**Finition de surface**  
Corps: gris RAL 9006 (G06)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

## SK

**Montáž**  
Závěsné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Priehľadný difúzor (TRD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: hliník  
Difúzor: PMMA  
Box na predradník: oceľový plech  
Lankový záves  
**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

## ES

**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor transparente (TRD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: aluminio  
Difusor: PMMA  
Caja de cambio: lámina de acero  
Cable de suspensión  
**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

## IT

**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore trasparente (TRD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: alluminio  
Diffusore: PMMA  
Box alimentatore: lamina d'acciaio  
Cavo di sospensione  
**Finitura**  
Corpo: grigio RAL 9006 (G06)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

## RU

**Установка**  
Подвесная (SSD)  
**Источник света**  
LED  
**Оптическая система**  
Прозрачный рассеиватель (TRD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: алюминий  
Рассеиватель: полиметилметакрилат  
Отсек ПРА: листовая сталь  
Тросовый подвес  
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

Style and science meet to create weightless psychologically and physiologically beneficial illumination.

Providing psychologically and physiologically beneficial illumination in combination with high-end technology and style, this slimline luminaire uses quality edge-lighting technology and a transparent glass diffuser by which it takes on a weightless feel. By providing both direct and indirect light distribution, the illumination highlights ceilings and walls as well as work surfaces and floors to ensure any space feels open and airy and pleasant to be in. Also available with TunableWhite and dimming, you can have the perfect white light for any time and activity.



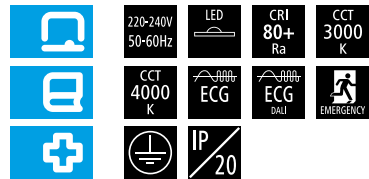


NEW

## LAMBDA LED DIF

MICROPRISMA  
LED

## Lambda LED Dif



EN

**Mounting**  
Suspended (SSD)**Light source**  
LED**Optical system**  
Microprismatic diffuser (MCD)**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)**Materials**  
Housing: sheet steel**Surface finish**  
Housing: white RAL 9003 (W03)**Service lifetime**  
50,000 hours/L80**Ambient temperature**  
From -20°C to +40 °C  
(from 0°C with EM unit)

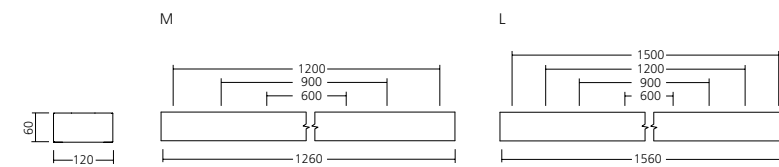
DE

**Montage**  
Hängend (SSD)**Lichtquelle**  
LED**Optisches System**  
Mikroprismatischer Diffusor (MCD)**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)**Material**  
Körper: Stahlblech**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)**Lebensdauer**  
50,000 Stunden/L80**Umgebungstemperatur**  
Von -20 °C bis +40 °C  
(von 0°C mit Notbeleuchtung)

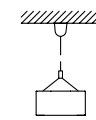
FR

**Montage**  
Suspendu (SSD)**Source lumineuse**  
LED**Système optique**  
Microprismatique (MCD)**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)**Matériels**  
Corps: tôle d'acier**Finition de surface**  
Corps: blanc RAL 9003 (W03)**Durée de vie utile**  
50,000 heures/L80**Température ambiante**  
De -20 °C à +40 °C  
(de 0°C avec l'unité de secours)

## PHOTOMETRY

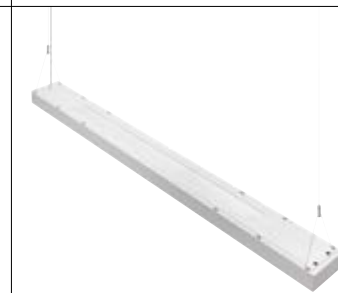
LAMBDA LED DIF M  
4050 lm 4000 KLOR = 100%  
lower flux fraction 57%  
upper flux fraction 43%  
UGR < 19

## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOR RENDERING INDEX CRI (Ra)	CORRELATED COLOR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT (lm)	WEIGHT (kg)
LAMBDA LED DIF M	3850	36	107	80+	3000	85°, 90°	105	3.3
LAMBDA LED DIF M	4050	36	113	80+	4000	85°, 90°	110	3.3
LAMBDA LED DIF L	4400	41	107	80+	3000	85°, 90°	105	4.7
LAMBDA LED DIF L	46050	41	113	80+	4000	85°, 90°	110	4.7

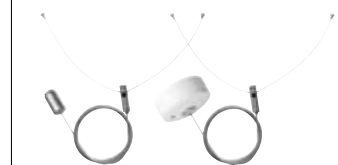
Luminous flux tolerance +/- 10%



WITH EMERGENCY



SUS 1.35 C0/038 SUSPENSION 38



SK

**Montáž**  
Závěsné (SSD)**Svetelný zdroj**  
LED**Optický systém**  
Mikroprizmatický difúzor (MCD)**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)**Material**  
Těleso: ocelový plech**Povrchová úprava**  
Těleso: bílá RAL 9003 (W03)**Servisná životnost**  
50,000 hodin/L80**Teplota okolia**  
Od -20 °C do +40 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Suspendidas (SSD)**Fuente luminica**  
LED**Sistema óptico**  
Microprismático (MCD)**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)**Material**  
Cuerpo: lámina de acero**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)**Vida útil**  
50,000 horas/L80**Temperatura ambiente**  
Desde -20 °C a +40 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
A sospensione (SSD)**Sorgente luminosa**  
LED**Sistema ottico**  
Microprismatico (MCD)**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)**Materiali**  
Corpo: lamina d'acciaio**Finitura**  
Corpo: bianco RAL 9003 (W03)**Durata di vita**  
50,000 ore/L80**Temperatura d'ambiente**  
Da -20 °C a +40 °C  
(da 0°C con unità di emergenza)

RU

**Установка**  
Подвесная (SSD)**Источник света**  
LED**Оптическая система**  
Микропризматический рассеиватель (MCD)**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)**Material**  
Корпус: листовая сталь**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)**Срок службы**  
50,000 часов/L80**Температура окружающей среды**  
От -20 °C до +40 °C  
(от 0°C с аварийного освещения)Fast, reliable, powerful and flexible – mass production  
without compromise.

We have three SALVAGNINI production lines, each comprising two separate sections that communicate over a network and are interlinked with conveyors. The first sections of the production lines are the punching centres, where holes are cut in the sheet metal using any of 60 readily available punching tools. From there, the semi-finished parts are automatically passed to the second sections of the lines, the bending centres.

Here the sheet metal parts are bent according to preset programmes. Once this is done, only welding is needed to complete the housing construction, or in the case of some luminaires, the construction is completed with the folding operation of the SALVAGNINI lines.



NEW

## LAMBDA LED D-I

MICROPRISMA  
LED

## Lambda Led D-I



EN

**Mounting**  
Suspended (SSD)**Light source**  
LED**Optical system**  
Microprismatic diffuser (MCD)**Wiring**Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

External lead-in flexible cable

**Materials**Housing: sheet steel  
Diffuser: PMMA  
Rope suspension**Surface finish**

Housing: white RAL 9003 (W03)

**Service lifetime**

50,000 hours/L80

**Ambient temperature**From -20°C to +40 °C  
(from 0°C with EM unit)

DE

**Montage**

Hängend (SSD)

**Lichtquelle**

LED

**Optisches System**

Mikroprismatischer Diffusor (MCD)

**Vorschaltgerät**

Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

Notbeleuchtung Variante (3H)

Externes Anschlusskabel

**Material**

Körper: Stahlblech

Diffusor: PMMA

Seilauflhängung

**Oberflächenveredelung**

Körper: weiss RAL 9003 (W03)

**Lebensdauer**

50,000 Stunden/L80

**Umgebungstemperatur**Von -20 °C bis +40 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**

Suspendu (SSD)

**Source lumineuse**

LED

**Système optique**

Microprismatique (MCD)

**Équipement électrique**

Ballast électronique FIX/DALI (ECG/EDA)

Variante de l'unité de secours (3H)

Artère externe

**Matériels**

Corps: tôle d'acier

Diffuseur: PMMA

Câble de suspension

**Finition de surface**

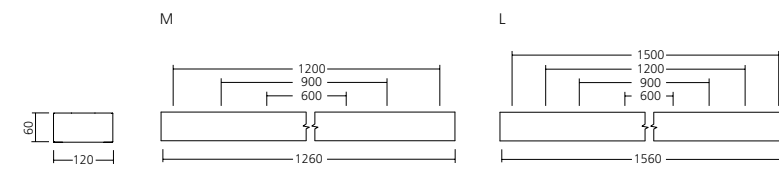
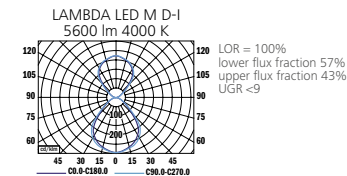
Corps: blanc RAL 9003 (W03)

**Durée de vie utile**

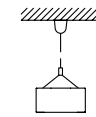
50,000 heures/L80

**Température ambiante**De -20 °C à +40 °C  
(de 0°C avec l'unité de secours)

## PHOTOMETRY

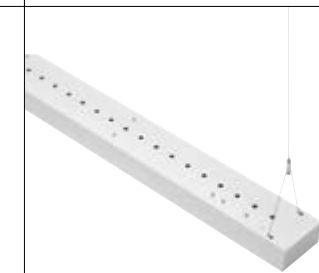


## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOR RENDERING INDEX CRI (Ra)	CORRELATED COLOR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT (lm)	WEIGHT (kg)
LAMBDA LED M D-I	5350	44	122	80+	3000	85°, 90°	105	4.7
LAMBDA LED M D-I	5600	44	127	80+	4000	85°, 90°	110	4.7
LAMBDA LED L D-I	6050	50	121	80+	3000	85°, 90°	105	5.4
LAMBDA LED L D-I	6350	50	127	80+	4000	85°, 90°	110	5.4

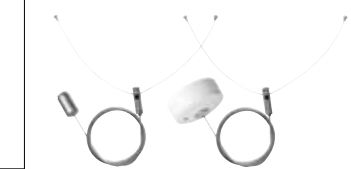
Luminous flux tolerance +/- 10%



WITH EMERGENCY



SUS 1.35 C0/038 SUSPENSION 38



SK

**Montáž**

Závěsné (SSD)

**Svetelný zdroj**

LED

**Optický systém**

Mikroprismatický difúzor (MCD)

**Elektrická výbava**

Elektronický predradník FIX/DALI (ECG/EDA)

Varianta s núdzovou jednotkou (3H)

Prívodný napájací kábel

**Material**

Teleso: oceľový plech

Difúzor: PMMA

Lankový záves

**Povrchová úprava**

Teleso: biela RAL 9003 (W03)

**Servisná životnosť**

50,000 hodín/L80

**Teplota okolia**Od -20 °C do +40 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**

Suspendidas (SSD)

**Fuente luminica**

LED

**Sistema óptico**

Microprismático (MCD)

**Cableado**

Equipo de control electrónico FIX/DALI (ECG/EDA)

Variante unidad de emergencia (3H)

Cable alimentador externo

**Material**

Cuerpo: lámina de acero

Difusor: PMMA

Cable de suspensión

**Tratamiento de la superficie**

Cuerpo: blanco RAL 9003 (W03)

**Vida útil**

50,000 horas/L80

**Temperatura ambiente**Desde -20 °C a +40 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**

A sospensione (SSD)

**Sorgente luminosa**

LED

**Sistema ottico**

Microprismatico (MCD)

**Cablaggio**

Ballast elettronico FIX/DALI (ECG/EDA)

Variante unità di emergenza (3H)

Cavetto di alimentazione esterno

**Materiali**

Corpo: lamina d'acciaio

Diffusore: PMMA

Cavo di sospensione

**Finitura**

Corpo: bianco RAL 9003 (W03)

**Durata di vita**

50,000 ore/L80

**Temperatura d'ambiente**Da -20 °C a +40 °C  
(da 0°C con unità di emergenza)

RU

**Установка**

Подвесная (SSD)

**Источник света**

LED

**Оптическая система**

Микропризматический рассеиватель (MCD)

**Электрическое оснащение**

Электронный аппарат FIX/DALI (ECG/EDA)

Блок аварийного освещения (3H)

Внешний свинца в гибком кабеле

**Материал**

Корпус: листовая сталь

Рассеиватель: полиметилметакрилат

Тросовый подвес

**Отделка поверхности**

Корпус: белый RAL 9003 (W03)

**Срок службы**

50,000 часов/L80

**Температура окружающей среды**От -20 °C до +40 °C  
(от 0°C с аварийного освещения)

Bringing the latest knowledge to your doorstep.

The European Lighting Tour takes the LQS and Right Light methodologies to many countries using a mobile and interactive European Lighting Tour truck exhibition space. The truck can be found at many trade fairs and exhibitions around the world, both on our behalf and on behalf of our customers.





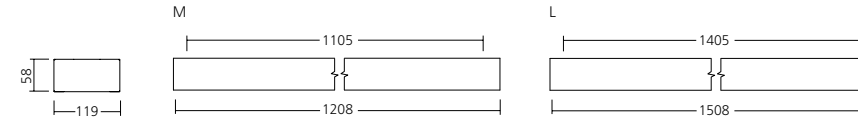
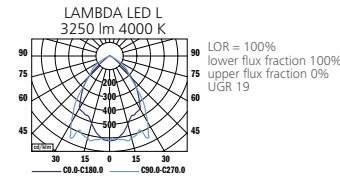
# LAMBDA LED

PAR-L  
LED

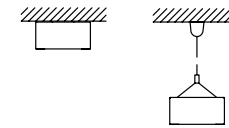


# Lambda Led

## PHOTOMETRY



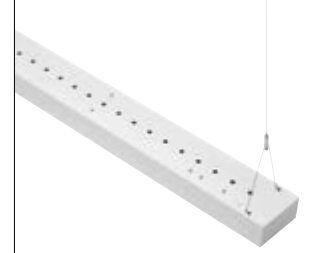
## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOR RENDERING INDEX CRI (Ra)	CORRELATED COLOR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
LAMBDA LED M	2500	28	89	80+	3000	77°, 84°	3.3
LAMBDA LED M	2600	28	93	80+	4000	77°, 84°	3.3
LAMBDA LED M	4050	46	88	80+	3000	77°, 84°	3.3
LAMBDA LED M	4250	46	92	80+	4000	77°, 84°	3.3
LAMBDA LED L	3250	34	96	80+	3000	80°, 87°	4.6
LAMBDA LED L	3400	34	100	80+	4000	80°, 87°	4.6
LAMBDA LED L	5250	60	88	80+	3000	82°, 89°	4.6
LAMBDA LED L	5500	60	92	80+	4000	82°, 89°	4.6

Luminous flux tolerance +/- 10%

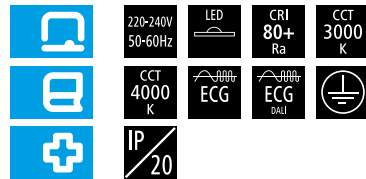
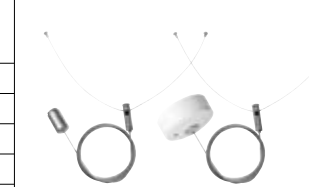
SUSPENDED



SURFACED



SUS 1.35 C0/038 SUSPENSION 38



EN

**Mounting**  
Ceiling surfaced (SFD)  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Parabolic louvre PAR-L (PLL)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension (SSD)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Prisadené (SFD)  
Hängend (SSD)  
**Lichtquelle**  
LED  
**Optisches System**  
Parabolisches Raster PAR-L (PLL)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilauflhängung (SSD)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier apparent (SFD)  
Plafonnier Suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Grille parabolique PAR-L (PLL)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension (SSD)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Prisadené (SFD)  
Závesné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Parabolická mriežka PAR-L (PLL)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: oceľový plech  
Parabolická mriežka: leštený hliník  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves (SSD)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Sobrepuestas en el techo (SFD)  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Rejilla parabólica PAR-L (PLL)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio pulido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión (SSD)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A plafone (SFD)  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Griglia parabolica PAR-L (PLL)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione (SSD)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная накладная (SFD)  
Подвесная (SSD)  
**Источник света**  
LED  
**Оптическая система**  
Параболическая решетка PAR-L (PLL)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес (SSD)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

Our operative flexibility is a cornerstone of continued success.

A cornerstone of our success is the operative flexibility we possess and the resultant benefits it allows us to pass to every one of our customers. Included in this is an extensive and carefully developed portfolio of both indoor and outdoor luminaires for commercial, industrial and architectural use. We also offer product customisation and full development in addition to high manufacture rate scalability, which together

give us a strong strategic advantage. Such services require the recruitment and retention of only the best LED specialists, R&D personnel, sales team, marketing experts and purchasing and logistics staff in addition to highly skilled manufacturing employees.

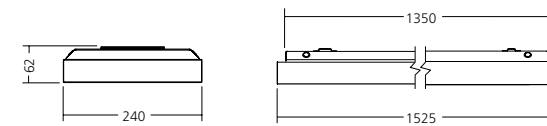
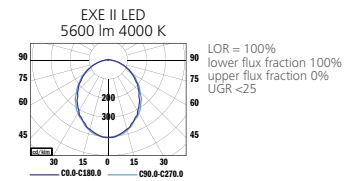


LED EXE II LED OPAL LED

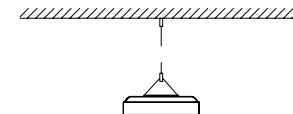


# Exe II LED

## PHOTOMETRY



## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
EXE II LED	5100	70	73	80+	3000	98°	9.4
EXE II LED	5600	70	80	80+	4000	98°	9.4

Luminous flux tolerance +/- 10%



SUS 1.35 CO/038 SUSPENSION 38



**EN**

**Mounting**  
Suspended (SSD)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear  
FIX/DALI (ECG/EDA)

**Materials**  
Housing: sheet steel  
Diffuser: opal PMMA  
Rope suspension

**Surface finish**  
Housing: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

**DE**

**Montage**  
Hängend (SSD)

**Lichtquelle**  
LED

**Optisches System**  
Opaler Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät  
FIX/DALI (ECG/EDA)

**Material**  
Körper: Stahlblech  
Diffusor: Opal PMMA  
Seilauflhängung

**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**

**Montage**  
Plafonnier Suspendu (SSD)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique  
FIX/DALI (ECG/EDA)

**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA opale  
Câble de suspension

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

**SK**

**Montáž**  
Závěsné (SSD)

**Svetelný zdroj**  
LED

**Optický systém**  
Opalový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník  
FIX/DALI (ECG/EDA)

**Material**  
Teleso: ocelový plech  
Difúzor: opalový PMMA  
Lankový záves

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

**ES**

**Montaje**  
Suspendidas (SSD)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico  
FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: lámina de acero  
Difusor: ópalo de PMMA  
Cable de suspensión

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**

**Installazione**  
A sospensione (SSD)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico  
FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: PMMA opale  
Cavo di sospensione

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**

**Установка**  
Подвесная (SSD)

**Источник света**  
LED

**Оптическая система**  
Матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат  
FIX/DALI (ECG/EDA)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: матовый полиметилметакрилат  
Тросовый подвес

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

We have vast and deep experience in the mechanical design of luminaires and other devices.

We have almost 20 years of experience in the mechanical design of luminaires as well as the development of other mechanical appliances and precision tools such as optical measurement and electronic testing devices.





NEW

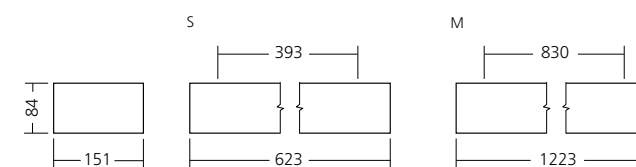
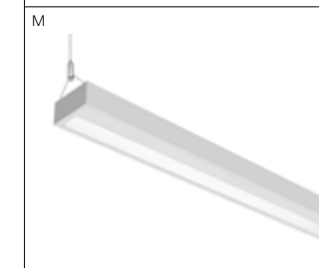
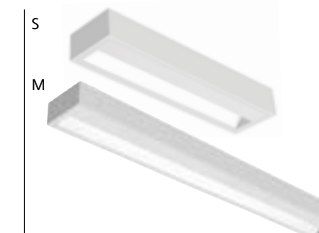
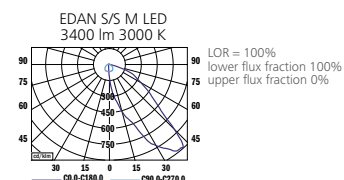
EDAN SURFACED / SUSPENDED

LED

MATT  
LED

# Edan Surfaced / Suspended

## PHOTOMETRY

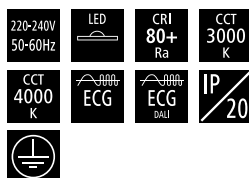


## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
EDAN SUSPENDED /SURFACED S	2150	26	83	80+	3000	2.0
EDAN SUSPENDED /SURFACED S	2250	26	87	80+	4000	2.0
EDAN SUSPENDED /SURFACED M	3400	39	87	80+	3000	3.5
EDAN SUSPENDED /SURFACED M	3600	39	92	80+	4000	3.5

Luminous flux tolerance +/- 10%.



## EN

**Mounting**  
Surfaced (SSD) /suspended (SFD)  
**Light source**  
LED  
**Optical system**  
Asymmetric matt reflector (ASM)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Reflector: matt anodised aluminium  
Rope suspension  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

## DE

**Montage**  
Deckenleuchte (SSD) /Hängend (SFD)  
**Lichtquelle**  
LED  
**Optisches System**  
Asymmetrisch matter Reflektor (ASM)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Reflektor: mattes eloxiertes Aluminium  
Seilauflhängung  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

## FR

**Montage**  
Plafonnier apparent (SSD) /suspendu (SFD)  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur asymétrique mat (ASM)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium anodisé mat  
Câble de suspension  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

## SK

**Montáž**  
Prisadené (SSD) /závesné (SFD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Asymetrický matný reflektor (ASM)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: oceľový plech  
Reflektor: matný anodizovaný hliník  
Lankový záves  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

## ES

**Montaje**  
Sobrepuestas en el techo (SSD) /suspendidas (SFD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector asimétrico mate (ASM)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio anodizado mate  
Cable de suspensión  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

## IT

**Installazione**  
A plafone (SSD) /A sospensione (SFD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore asimmetrico opaco (ASM)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio anodizzato opaco  
Cavo di sospensione  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

## RU

**Установка**  
Потолочная накладная (SSD) /Подвесная (SFD)  
**Источник света**  
LED  
**Оптическая система**  
Асимметричный матовый отражатель (ASM)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Отражатель: матовый анодированный алюминий  
Тросовый подвес  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

EDAN  
system efficacy  
up to 92 lm/W

## CRI

80+Ra

90+Ra

## CCT

3000 K

4000 K

2700 K

5000 K

6500 K

## ECG

ECG FIX

ECG DALI

## REFLECTOR

MATT

## DIMENSIONS

S 300x600 up to 2250 lm

M 300x1200 up to 3600 lm

## MOUNTING

RECESSED

SURFACED

SUSPENDED

EDAN  
RECESSED

54

EDAN  
SURFACED / SUSPENDED

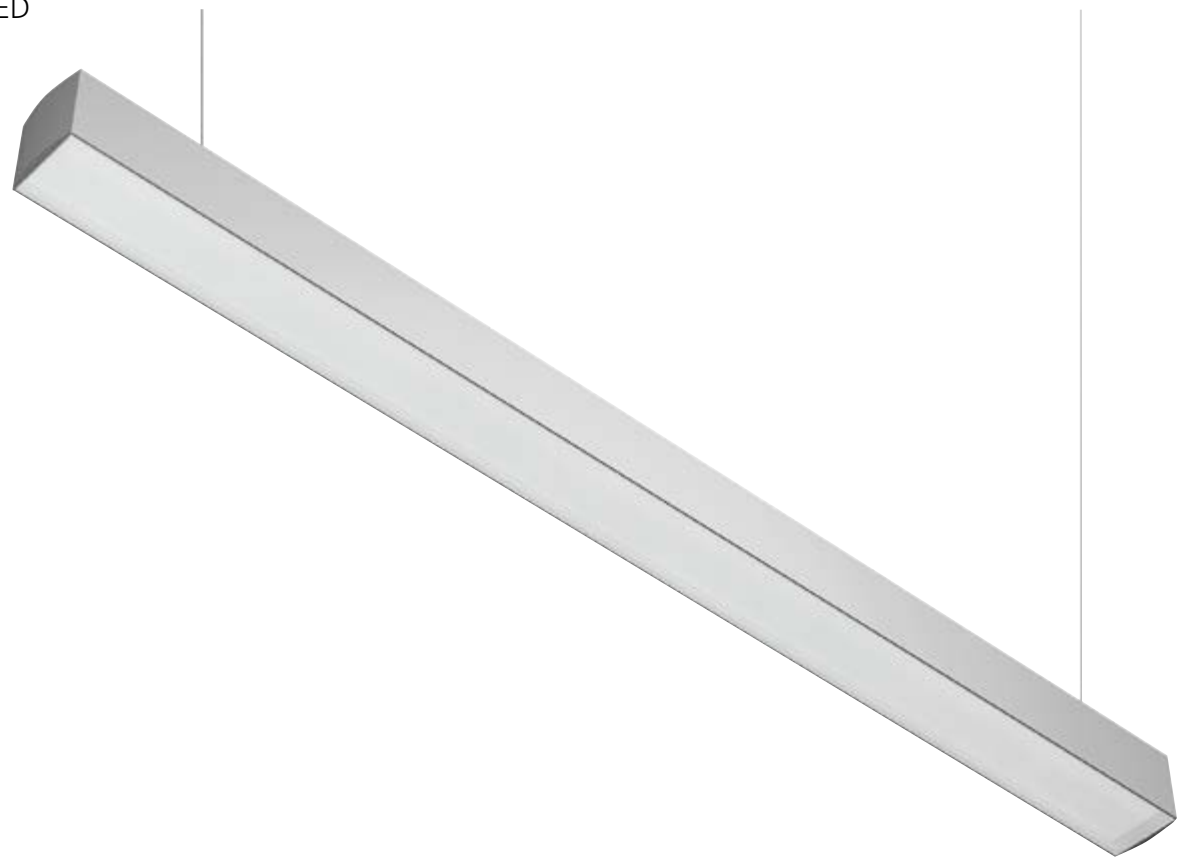
78



NEW

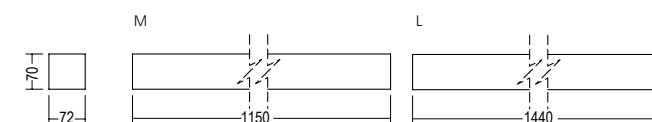
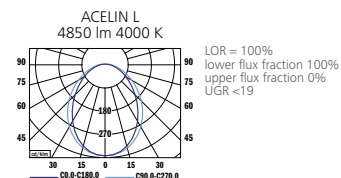
ACELIN SURFACED / SUSPENDED

OPAL  
LED

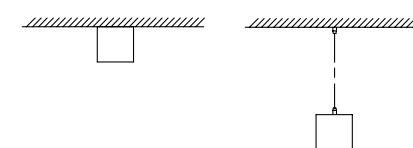


# Acelin Suspended / Surfaced

PHOTOMETRY



MOUNTING



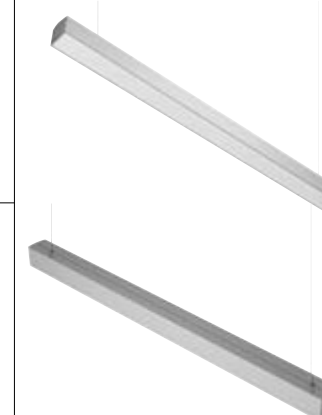
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
ACELIN M	3900	40	98	80+	3000	90°	3.1
ACELIN M	3900	40	98	80+	4000	90°	3.1
ACELIN L	4850	46	105	80+	3000	90°	3.6
ACELIN L	4850	46	105	80+	3000	90°	3.6

Luminous flux tolerance +/- 10%.

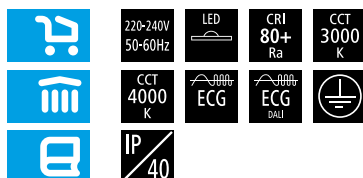
SURFACED



SUSPENDED



SURFACED AND SUSPENDED LUMINAIRES



EN

**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
LED  
**Optical system**  
Opal diffuser (OPD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: Extruded aluminium  
Diffuser: opal PMMA  
**Surface finish**  
Housing: grey RAL 9006 (G06)  
**Accessories**  
Rope suspension  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
LED  
**Optisches System**  
Opal Diffusor (OPD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Extrudiertes Aluminium  
Diffusor: Opal PMMA  
**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)  
**Zubehör**  
Seilaufhängung  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale (OPD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: Aluminium extrudé  
Diffuseur: PMMA opale  
**Finition de surface**  
Corps: gris RAL 9006 (G06)  
**Accessoires**  
Câble de suspension  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový difúzor (OPD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: Extrudovaný hliník  
Difúzor: opálový PMMA  
**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)  
**Príslušenstvo**  
Lankový záves  
**Service life**  
50,000 hodin/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor ópalo (OPD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: Aluminio extruido  
Difusor: ópalo de PMMA  
**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)  
**Accesorios**  
Cable de suspensión  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale (OPD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: Estruso di alluminio  
Diffusore: PMMA opale  
**Finitura**  
Corpo: grigio RAL 9006 (G06)  
**Accessori**  
Cavo di sospensione  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
LED  
**Оптическая система**  
матовый рассеиватель (OPD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: матовый полиметилметакрилат  
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)  
**Аксессуары**  
Тросовый подвес  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX

ACELIN system efficacy up to 105 lm/W

CRI 80+Ra 90+Ra	CCT 3000 K 4000 K 5700 - 6000 K	ECG ECG FIX ECG DALI	EMERGENCY UNIT 3H	DIFFUSER OPAL	DIMENSIONS M 1160 up to 5850 lm L 1440 up to 6800 lm
-----------------------	--	----------------------------	----------------------	------------------	--

MOUNTING  
SURFACED  
SUSPENDED





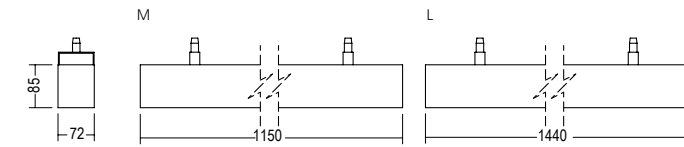
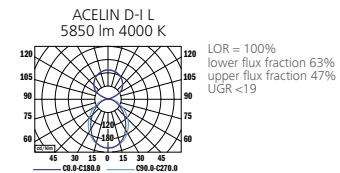
NEW

ACELIN D-I SUSPENDED

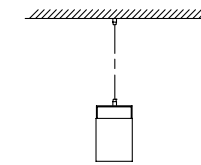
OPAL  
LED



PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
ACELIN D-I M	5850	60	98	80+	3000	90°	4.1
ACELIN D-I M	5850	60	98	80+	4000	90°	4.1
ACELIN D-I L	6800	75	91	80+	3000	90°	4.2
ACELIN D-I L	6800	75	91	80+	4000	90°	4.2

Luminous flux tolerance +/- 10%.

# Acelin D-I Suspended



EN

**Mounting**  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Opal diffuser (OPD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: Extruded aluminium  
Diffuser: opal PMMA  
**Surface finish**  
Housing: grey RAL 9006 (G06)  
**Accessories**  
Rope suspension  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Hängend (SSD)  
**Lichtquelle**  
LED  
**Optisches System**  
Opal Diffusor (OPD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Extrudiertes Aluminium  
Diffusor: Opal PMMA  
**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)  
**Zubehör**  
Seilauflhängung  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier Suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale (OPD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: Aluminium extrudé  
Diffuseur: PMMA opale  
**Finition de surface**  
Corps: gris RAL 9006 (G06)  
**Accessoires**  
Câble de suspension  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Závěsné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový difúzor (OPD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: Extrudovaný hliník  
Difúzor: opálový PMMA  
**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)  
**Príslušenstvo**  
Lankový záves  
**Servicená životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor ópalo (OPD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: Aluminio extruido  
Difusor: ópalo de PMMA  
**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)  
**Accesorios**  
Cable de suspensión  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

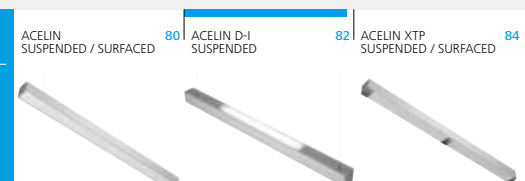
IT

**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale (OPD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: Estruso di alluminio  
Diffusore: PMMA opale  
**Finitura**  
Corpo: grigio RAL 9006 (G06)  
**Accessori**  
Cavo di sospensione  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
LED  
**Оптическая система**  
матовый рассеиватель (OPD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: матовый полиметилметакрилат  
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)  
**Аксессуары**  
Тросовый подвес  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
ACELIN system efficacy up to 105 lm/W	80+Ra	3000 K	ECG FIX	3H	OPAL	M 1160 up to 5850 lm	SURFACED SUSPENDED
	90+Ra	4000 K	ECG DALI			L 1440 up to 6800 lm	



SURFACED AND SUSPENDED LUMINAIRES

NEW

## ACELIN XTP SURFACED / SUSPENDED

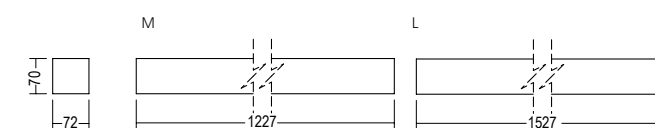
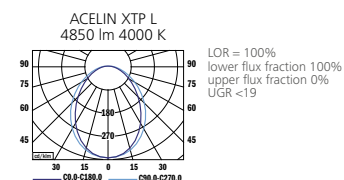
OPAL  
LED

LED

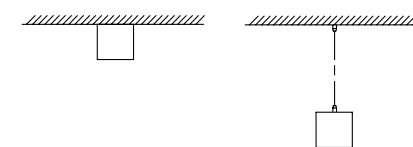


# Acelin XTP Surfaced / Suspended

## PHOTOMETRY



## MOUNTING



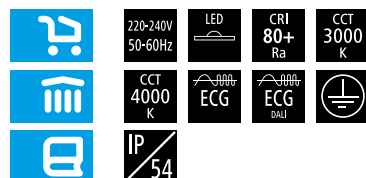
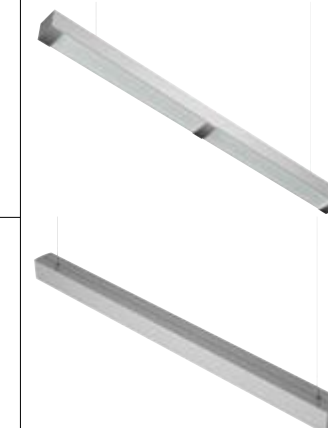
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
ACELIN XTP M	3900	40	98	80+	3000	90°	3.1
ACELIN XTP M	3900	40	98	80+	4000	90°	3.1
ACELIN XTP L	4850	46	105	80+	3000	90°	4.2
ACELIN XTP L	4850	46	105	80+	3000	90°	4.2

Luminous flux tolerance +/- 10%.

SURFACED



SUSPENDED



EN

**Mounting**  
Ceiling surfaced/suspended (SSx)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: Extruded aluminium  
Diffuser: opal PMMA

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
Rope suspension

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Deckenleuchte/Hängend (SSx)

**Lichtquelle**  
LED

**Optisches System**  
Opal Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Extrudiertes Aluminium  
Diffusor: Opal PMMA

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Seilaufhängung

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier apparent/suspendu (SSx)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: Aluminium extrudé  
Diffusor: PMMA opale

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Câble de suspension

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Prisadené/závesné (SSx)

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: Extrudovaný hliník  
Difúzor: opálový PMMA

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Príslušenstvo**  
Lankový záves

**Service life**  
50,000 hodin/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: Aluminio extruido  
Difusor: ópalo de PMMA

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Accesorios**  
Cable de suspensión

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A plafone/A sospensione (SSx)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: Estruso di alluminio  
Diffusore: PMMA opale

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Accessori**  
Cavo di sospensione

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)

**Источник света**  
LED

**Оптическая система**  
матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: матовый полиметилметакрилат

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Тросовый подвес

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

ACELIN  
system efficacy  
up to 105 lm/W

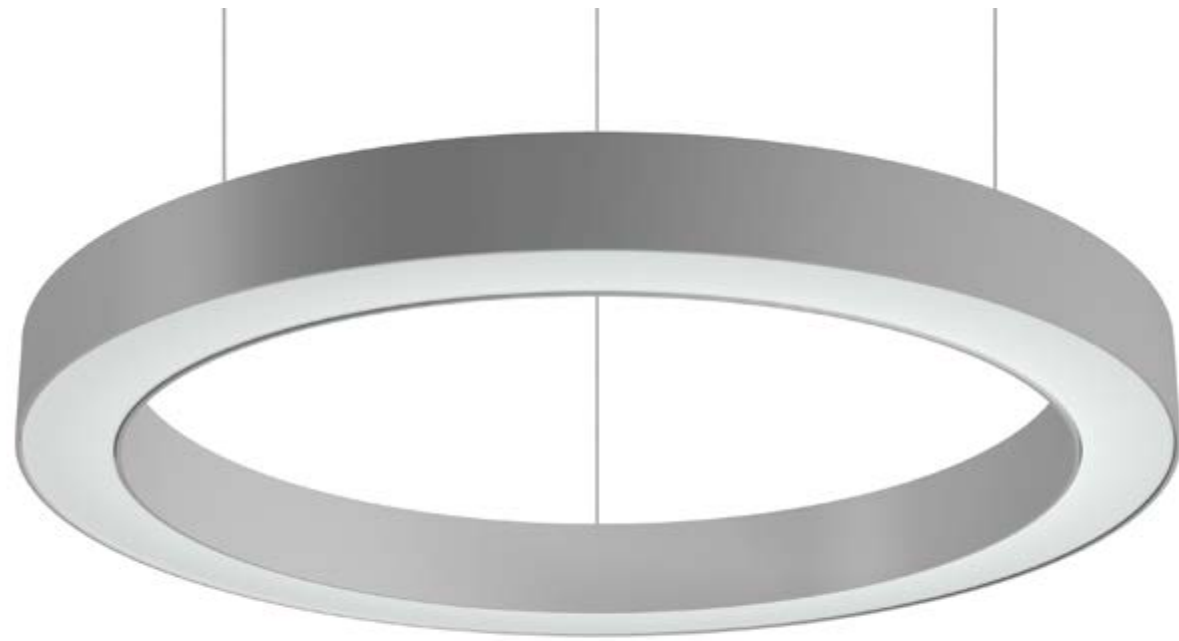
CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	3H	OPAL	M 1160 up to 5850 lm	SURFACED
90+Ra	4000 K	ECG DALI			L 1440 up to 6800 lm	SUSPENDED
	5700 - 6000 K					



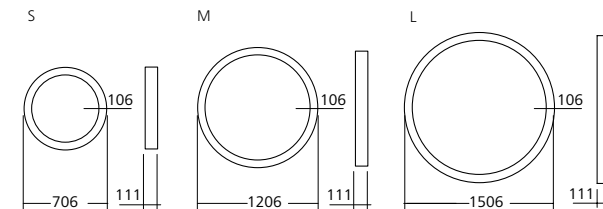
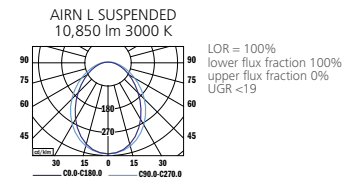


NEW

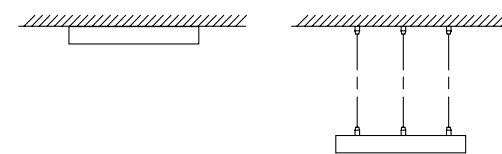
## AIRN SURFACED / SUSPENDED

OPAL  
LEDAirn  
Surfacel / Suspended

## PHOTOMETRY



## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C90-180, C90-270)	WEIGHT (kg)
AIRN S SURFACED	4550	80	57	80+	3000	110°	7.2
AIRN S SUSPENDED	6750	80	84	80+	3000	110°	7.2
AIRN MSURFACED	6750	120	56	80+	3000	110°	13.5
AIRN M SUSPENDED	8150	120	68	80+	3000	110°	13.5
AIRN L SURFACED	6750	160	42	80+	3000	110°	20.00
AIRN L SUSPENDED	10,0850	160	68	80+	3000	110°	20.00

Luminous flux tolerance +/- 10%.

SUSPENDED M



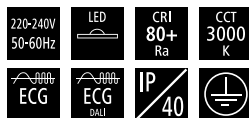
SURFACED S



SURFACED M



SURFACED L



EN

**Mounting**  
Ceiling surfaced/suspended (SSx)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: Extruded aluminium  
Diffuser: opal PMMA

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
Rope suspension

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Deckenleuchte/Hängend (SSx)

**Lichtquelle**  
LED

**Optisches System**  
Opal Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Extrudiertes Aluminium  
Diffusor: Opal PMMA

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Seilauflhängung

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier apparent/suspendu (SSx)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: Aluminium extrudé  
Diffuseur: PMMA opale

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Câble de suspension

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Prisadené/závesné (SSx)

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: Extrudovaný hliník  
Difúzor: opálový PMMA

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Príslušenstvo**  
Lankový záves

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: Aluminio extruido  
Difusor: ópalo de PMMA

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Accesorios**  
Cable de suspensión

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A plafone/A sospensione (SSx)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: Estruso di alluminio  
Diffusore: PMMA opale

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Accessori**  
Cavo di sospensione

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)

**Источник света**  
LED

**Оптическая система**  
матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: матовый полиметилметакрилат

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Тросовый подвес

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

3D printing offers a unique, fast and highly flexible way to create mock-ups, prototypes and models.

For the creation of rapid prototypes and functional prototypes, we have a Fortus 400mc 3D printer. This industry level machine allows us to additively manufacture high-strength parts with complex shapes from up to ten production-grade engineering thermoplastics. The ability to create prototype parts and products within very short timescales is a great advantage during product development as it enables us to recognise any issues very early on and to minimise development times, complications and costs. Furthermore, it allows us to also provide customers with prototypes very quickly.



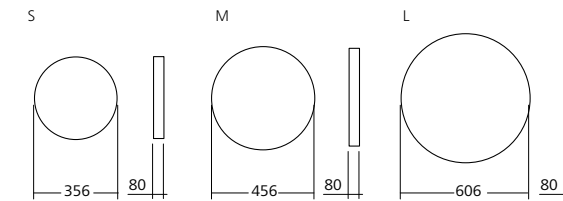
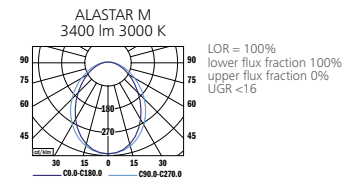
NEW

## ALASTAR SURFACED / SUSPENDED

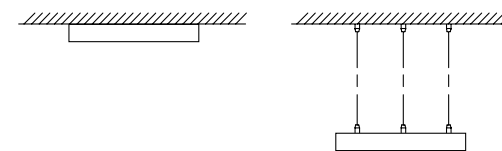
OPAL  
LED

# Alastar Surfacled / Suspended

## PHOTOMETRY



## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
ALASTAR S	1700	19	89	80+	3000	110°	3.0
ALASTAR M	3400	40	85	80+	3000	110°	3.6
ALASTAR L	6750	80	84	80+	3000	110°	8.5

Luminous flux tolerance +/- 10%.

SUSPENDED M



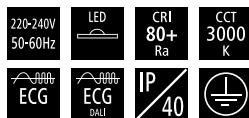
SURFACLED S



SURFACLED M



SURFACLED L



EN

**Mounting**  
Ceiling surfacled/suspended (SSx)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: extruded aluminium  
Diffuser: opal PMMA

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
Rope suspension

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Deckenleuchte/Hängend (SSx)

**Lichtquelle**  
LED

**Optisches System**  
Opal Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Extrudiertes Aluminium  
Diffusor: Opal PMMA

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Seilauflhängung

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier apparent/suspendu (SSx)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: Aluminium extrudé  
Diffuseur: PMMA opale

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Câble de suspension

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Prisadené/závesné (SSx)

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Matériál**  
Teleso: Extrudovaný hliník  
Difúzor: opálový PMMA

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Príslušenstvo**  
Lankový záves

**Service life**  
50,000 hodin/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: Aluminio extruido  
Difusor: ópalo de PMMA

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Accesorios**  
Cable de suspensión

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A plafone/A sospensione (SSx)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: Estruso di alluminio  
Diffusore: PMMA opale

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Accessori**  
Cavo di sospensione

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)

**Источник света**  
LED

**Оптическая система**  
матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: матовый полиметилметакрилат

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Тросовый подвес

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

Fast, reliable, powerful and flexible – mass production without compromise.

We have three SALVAGNINI production lines, each comprising two separate sections that communicate over a network and are interlinked with conveyors. The first sections of the production lines are the punching centres, where holes are cut in the sheet metal using any of 60 readily available punching tools. From there, the semi-finished parts are automatically passed to the second sections of the lines, the bending centres.

Here the sheet metal parts are bent according to preset programmes. Once this is done, only welding is needed to complete the housing construction, or in the case of some luminaires, the construction is completed with the folding operation of the SALVAGNINI lines.



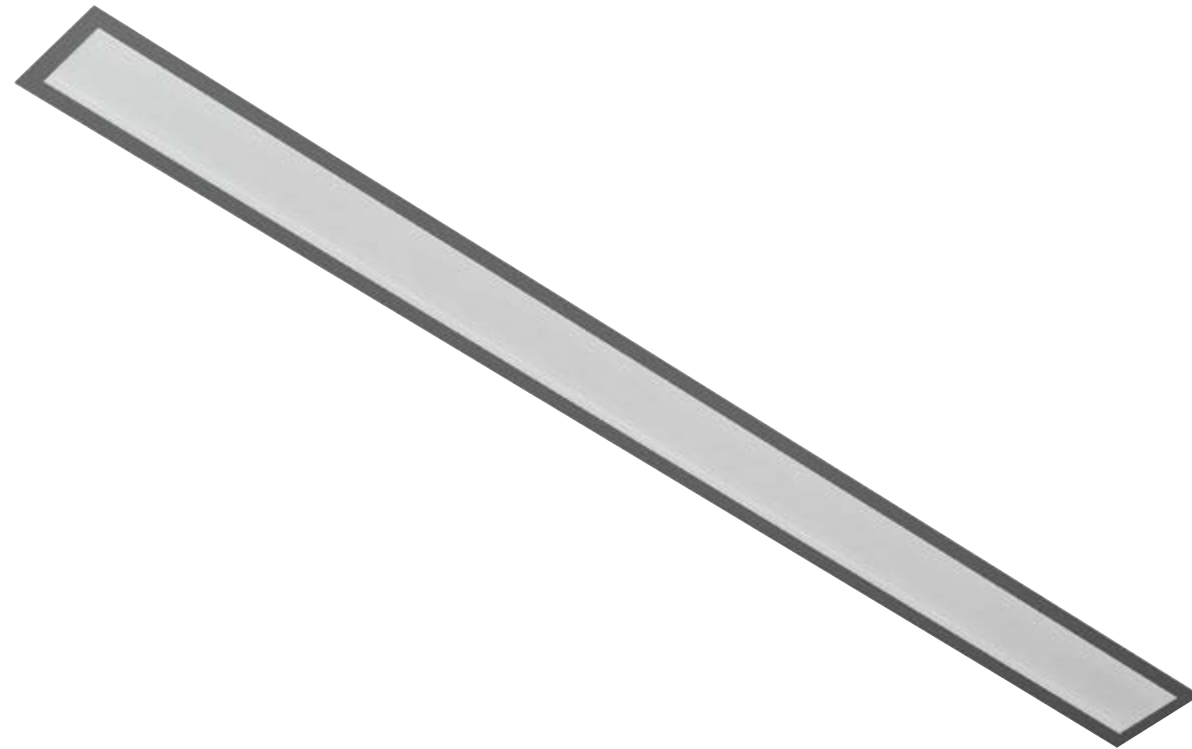


NEW

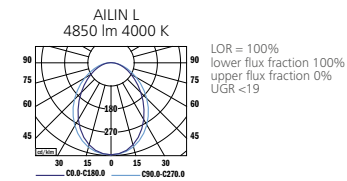
AILIN RECESSED

OPAL  
LED

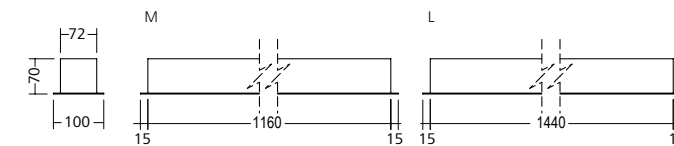
LED



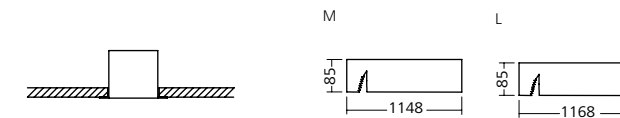
## PHOTOMETRY



CONTINUOUS LINES AND TRUNKING SYSTEMS



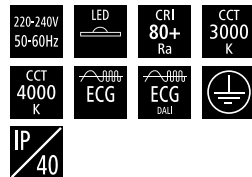
## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
AILIN RECESSED M	3900	40	98	80+	3000	90°	2.9
AILIN RECESSED M	3900	40	98	80+	4000	90°	2.9
AILIN RECESSED L	4850	46	105	80+	3000	90°	3.6
AILIN RECESSED L	4850	46	105	80+	4000	90°	3.6

Luminous flux tolerance +/- 10%.

## Ailin Recessed



## EN

**Mounting**  
Ceiling recessed (RCD)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: Extruded aluminium  
Diffuser: opal PMMA  
Holders: sheet steel

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

## DE

**Montage**  
Einbauleuchte (RCD)

**Lichtquelle**  
LED

**Optisches System**  
Opal Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Extrudiertes Aluminium  
Diffusor: Opal PMMA  
Halter: Stahlblech

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

## FR

**Montage**  
Plafonnier encastrable (RCD)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: Aluminium extrudé  
Diffusor: PMMA opale  
Supports: tôle d'acier

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

## SK

**Montáž**  
Vsadené (RCD)

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: Extrudovaný hliník  
Difúzor: opálový PMMA  
Držiaky: oceľový plech

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

## ES

**Montaje**  
Empotradas en el techo (RCD)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: Aluminio extruido  
Difusor: ópalo de PMMA  
Soportes: lámina de acero

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

## IT

**Installazione**  
Ad incasso a soffitto (RCD)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: Estruso di alluminio  
Diffusore: PMMA opale  
Supporti: lamina d'acciaio

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

## RU

**Установка**  
Потолочная встроенная (RCD)

**Источник света**  
LED

**Оптическая система**  
матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: матовый полиметилметакрилат  
Крепления: листовая сталь

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

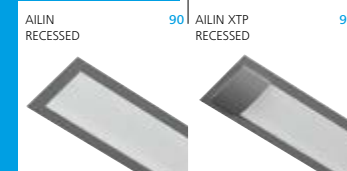
**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

AILIN  
system efficacy  
up to 105 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	3H	OPAL	M up to 3900 lm	RECESSED
90+Ra	4000 K	ECG DALI			L up to 4850 lm	
	5700 - 6000 K					

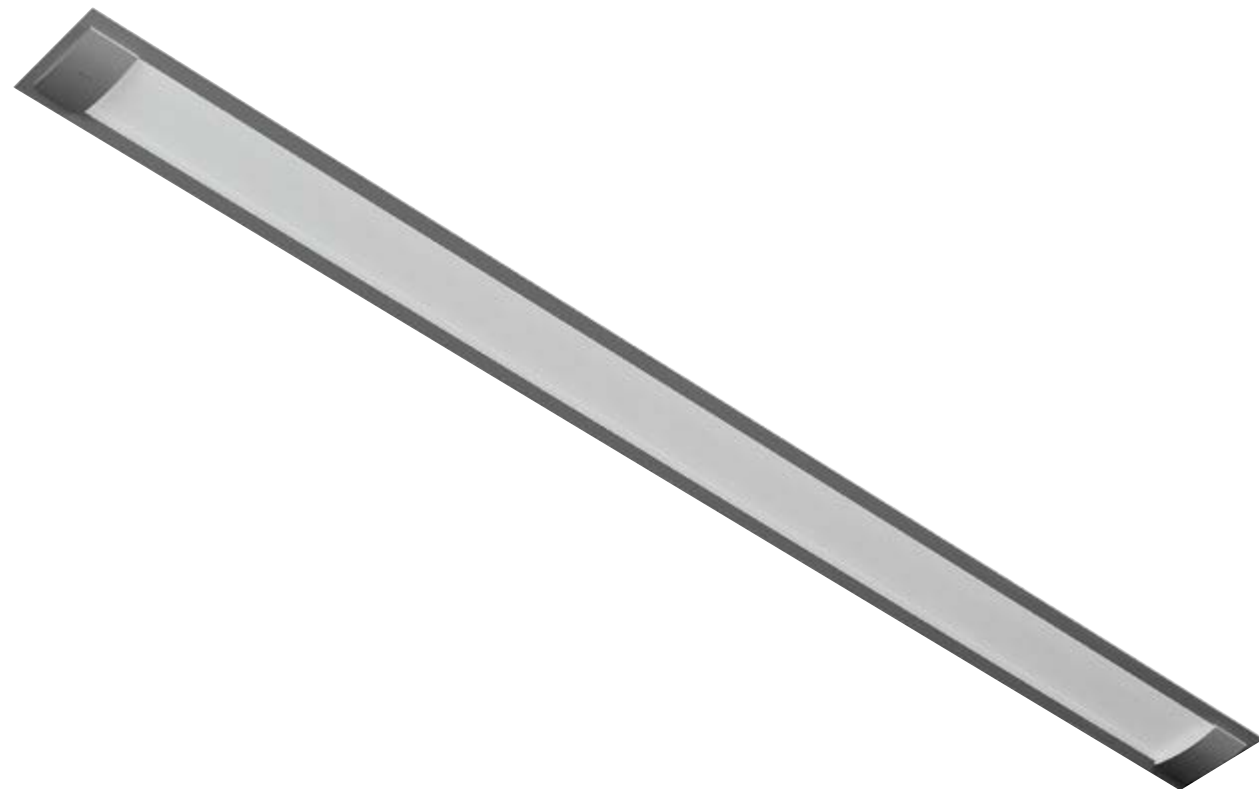


NEW

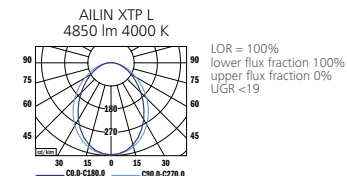
## AILIN XTP RECESSED

OPAL  
LED

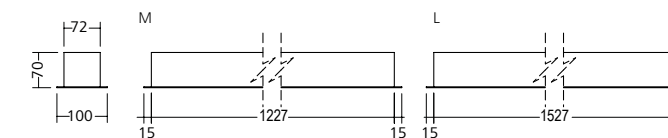
LED



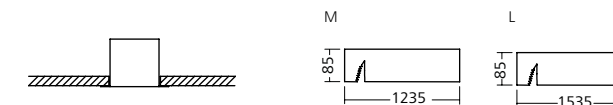
## PHOTOMETRY



CONTINUOUS LINES AND TRUNKING SYSTEMS



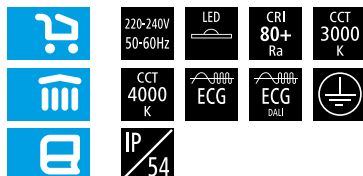
## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
AILIN XTP RECESSED M	3900	40	98	80+	3000	90°	3.3
AILIN XTP RECESSED M	3900	40	98	80+	4000	90°	3.3
AILIN XTP RECESSED L	4850	46	105	80+	3000	90°	4.3
AILIN XTP RECESSED L	4850	46	105	80+	4000	90°	4.3

Luminous flux tolerance +/- 10%.

## Ailin XTP Recessed



## EN

**Mounting**  
Ceiling recessed (RCD)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: Extruded aluminium  
Diffuser: opal PMMA  
Holders: sheet steel

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

## DE

**Montage**  
Einbauleuchte (RCD)

**Lichtquelle**  
LED

**Optisches System**  
Opal Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Extrudiertes Aluminium  
Diffusor: Opal PMMA  
Halter: Stahlblech

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

## FR

**Montage**  
Plafonnier encastrable (RCD)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: Aluminium extrudé  
Diffusor: PMMA opale  
Supports: tôle d'acier

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

## SK

**Montáž**  
Vsadené (RCD)

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: Extrudovaný hliník  
Difúzor: opálový PMMA  
Držiaky: oceľový plech

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Service životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

## ES

**Montaje**  
Empotradas en el techo (RCD)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: Aluminio extruido  
Difusor: ópalo de PMMA  
Soportes: lámina de acero

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

## IT

**Installazione**  
Ad incasso a soffitto (RCD)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: Estruso di alluminio  
Diffusore: PMMA opale  
Supporti: lamina d'acciaio

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

## RU

**Установка**  
Потолочная встроенная (RCD)

**Источник света**  
LED

**Оптическая система**  
матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: матовый полиметилметакрилат  
Крепления: листовая сталь

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

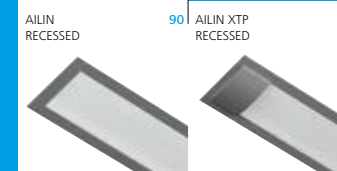
**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

AILIN  
system efficacy  
up to 105 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	3H	OPAL	M up to 3900 lm	RECESSED
90+Ra	4000 K	ECG DALI			L up to 4850 lm	
	5700 - 6000 K					







Range Line II LED

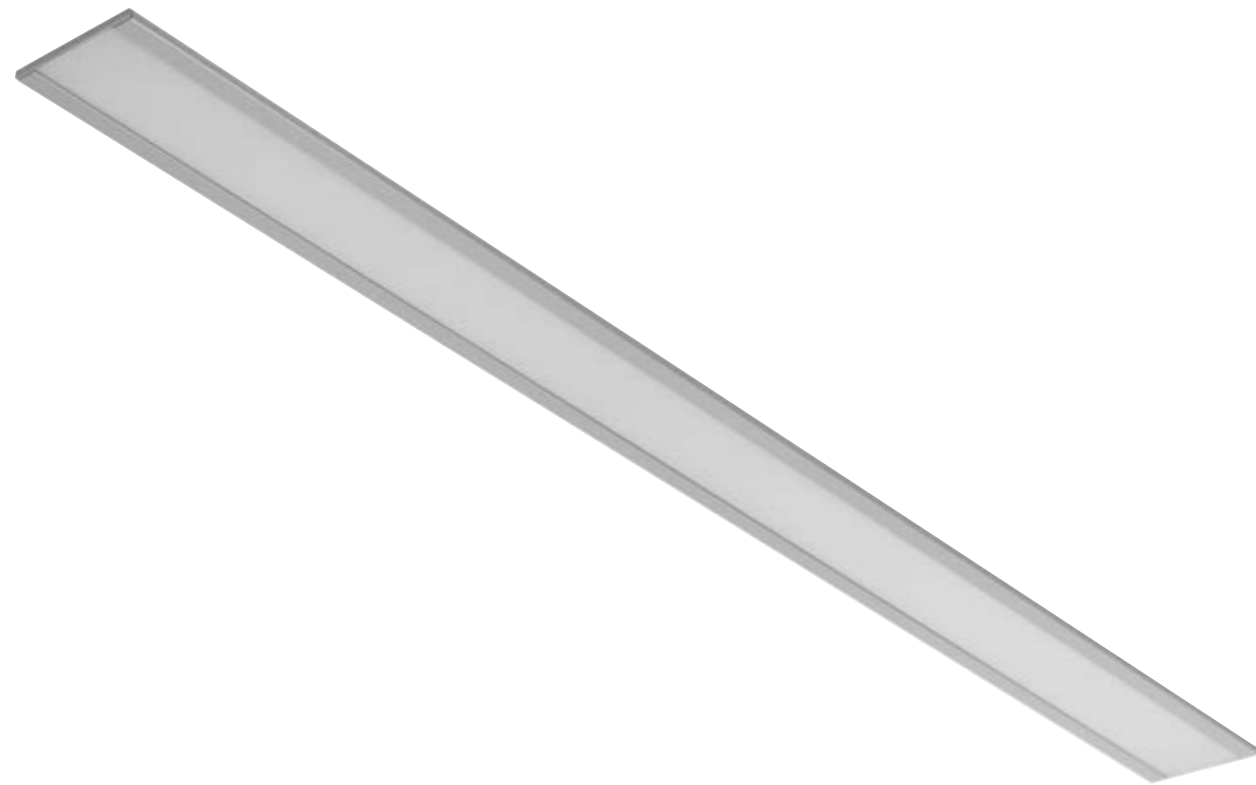


NEW

## RANGE LINE II LED RECESSED

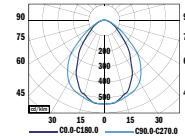
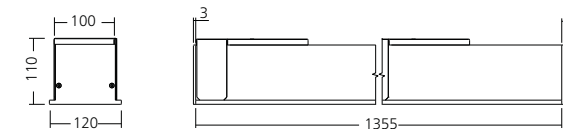
OPAL / MICROPRISMA  
LED

LED

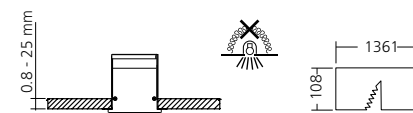


# Range Line II LED Recessed

## PHOTOMETRY

RANGE LINE II LED RCD MCD  
4900 lm 4000 kLOR = 100%  
lower flux fraction 100%  
upper flux fraction 0%  
UGR <20 / <25

## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT (kg)
RANGE LINE II LED RCD MCD	4650	50	93	80+	3000	75°, 100°	300	7.4
RANGE LINE II LED RCD MCD	4900	50	98	80+	4000	75°, 100°	310	7.4
RANGE LINE II LED RCD OPD	3900	50	78	80+	3000	108°	270	7.4
RANGE LINE II LED RCD OPD	4100	50	82	80+	4000	108°	280	7.4

Luminous flux tolerance +/- 10%

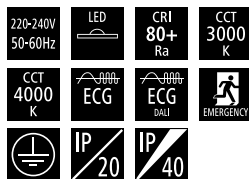
RECESSED



DIF OPAL (OPD)



DIF MICROPRISMA (MCD)



EN

**Mounting**  
Ceiling recessed  
- determined for continuous installation

**Light Source**  
LED

**Optical system**  
Opal/microprismatic diffuser (OPD/MCD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Through wiring  
Emergency unit variant (3H)

**Materials**  
Housing: extruded aluminum  
Diffuser: polycarbonat

**Surface finish**  
Housing: elox

**Accessories**  
Mounting brackets  
End cap (RCD)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
from -20°C to +35 °C  
(from 0°C with EM unit)

DE

**Montage**  
Einbauleuchte  
- mit Erweiterungsmöglichkeit

**Lichtquelle**  
LED

**Optisches System**  
Opaler/mikroprismatischer Diffusor (OPD/MCD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Durchgangsverdrahtung  
Notbeleuchtung Variante (3H)

**Material**  
Körper: extrudiertes Aluminium  
Diffusor: Polycarbonat

**Oberflächenveredelung**  
Körper: elox

**Zubehör**  
Abschlüsse (RCD)  
Befestigungsklammern

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**  
Plafonnier encastrable  
Suspendu - conçu pour une installation continue

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale/microprisme (OPD/MCD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Câblage traversant  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: aluminium extrudé  
Diffusor: polycarbonate

**Finition de surface**  
Corps: elox

**Accessoires**  
Extrémités (RCD)  
Supports de montage

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

SK

**Montáž**  
Vsadené  
- predurčené na montáž do línií

**Svetelný zdroj**  
LED

**Optický systém**  
Opalový/mikroprizmatický difúzor (OPD/MCD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Prieběžné vinutie  
Varianta s núdzovou jednotkou (3H)

**Material**  
Teleso: extrudovaný hliník  
Difúzor: polykarbonát

**Povrchová úprava**  
Teleso: elox

**Príslušenstvo**  
Koncovky (RCD)  
Montážne držiaky

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Empotradas en el techo  
- específico para instalaciones continuas

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo/microprismático (OPD/MCD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
A través de cableado  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: aluminio extruido  
Difusor: policarbonato

**Tratamiento de la superficie**  
Cuerpo: elox

**Accesorios**  
Tapas en los extremos (RCD)  
Escuadras de montaje

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
Ad incasso a soffitto  
- per installazioni in linea

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale/microprismatico (OPD/MCD)

**Cablaggio**  
Accostevole ballast elettronico FIX/DALI (ECG/EDA)  
Cablaggio passante  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: alluminio estruso  
Diffusore: policarbonato

**Finitura**  
Cuerpo: elox

**Accessori**  
Terminali (RCD)  
Supporti per installazione

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

RU

**Установка**  
Потолочная встраиваемая  
- рассчитанная на долговременную установку

**Источник света**  
LED

**Оптическая система**  
Матовый/микропризматический рассеиватель (OPD/MCD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Сквозная проводка  
Блок аварийного освещения (1Н/3Н)

**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: поликарбонат

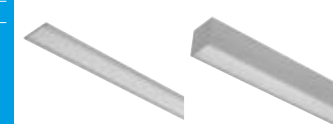
**Отделка поверхности**  
Корпус: эпоксидное покрытие

**Аксессуары**  
Торцевые крышки (RCD)  
Монтажные кронштейны

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От 0 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

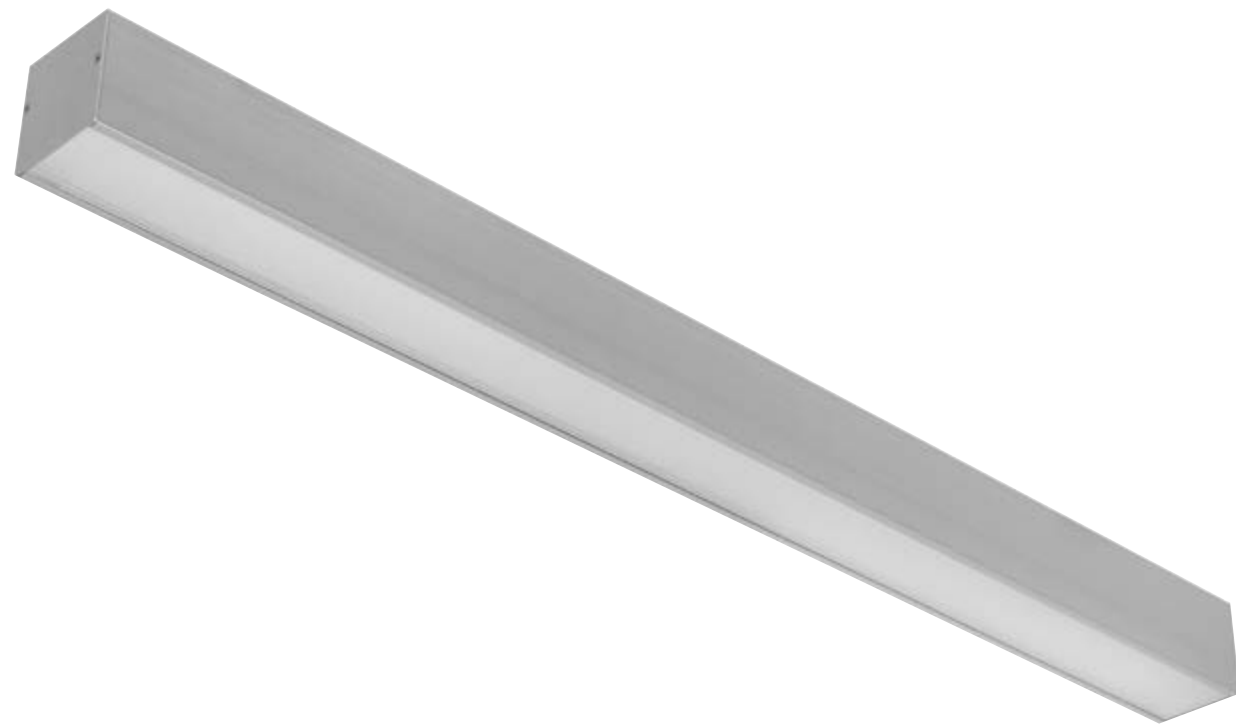
RANGE LINE II  
system efficacy  
up to 98 lm/WCRI  
80+Ra  
90+RaCCT  
3000 K  
4000 KECG  
ECG FIX  
ECG DALIEMERGENCY  
UNIT  
3HDIFFUSER  
OPAL  
MICROPRISMADIMENSIONS  
up to 4900 lmMOUNTING  
RECESSED  
SURFACED  
SUSPENDEDRANGE LINE II LED  
RECESSED 96RANGE LINE II LED  
SURFACED / SUSPENDED 98



NEW

**RANGE LINE II LED SURFACED / SUSPENDED**

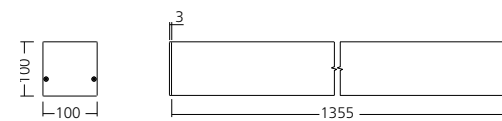
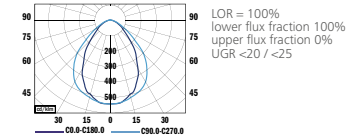
OPAL / MICROPRISMA  
LED



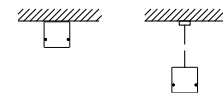
# Range Line II LED Surfaced / Suspended

**PHOTOMETRY**

RANGE LINE II LED S/S MCD  
4900 lm 4000 k



**MOUNTING**



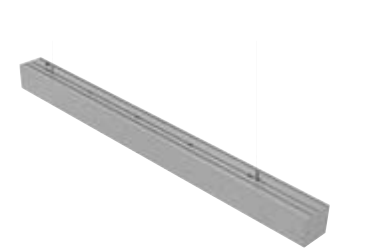
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
RANGE LINE II LED S/S MCD	4650	50	93	80+	3000	75°, 100°	300	7.4
RANGE LINE II LED S/S MCD	4900	50	98	80+	4000	75°, 100°	310	7.4
RANGE LINE II LED S/S OPD	3900	50	78	80+	3000	108°	270	7.4
RANGE LINE II LED S/S OPD	4100	50	82	80+	4000	108°	280	7.4

Luminous flux tolerance +/- 10%

SURFACED



SUSPENDED



DIF OPAL (OPD)



DIF MICROPRISMA (MCD)



- 220-240V 50-60Hz
- LED
- CRI 80+ Ra
- CCT 3000 K
- CCT 4000 K
- ECG
- ECG DALI
- EMERGENCY
- IP 20

**EN**  
**Mounting**  
Surfaced/Suspended  
- determined for continuous installation  
**Light Source**  
LED  
**Optical system**  
Opal/microprismatic diffuser (OPD/MCD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Through wiring  
Emergency unit variant (3H)  
**Materials**  
Housing: extruded aluminum  
Diffuser: polycarbonat  
**Surface finish**  
Housing: elox  
**Accessories**  
End cap (S/S)  
Mounting brackets  
Rope suspension (SSD)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
from -20°C to +35 °C

**DE**  
**Montage**  
Deckenleuchte/Hängend  
- mit Erweiterungsmöglichkeit  
**Lichtquelle**  
LED  
**Optisches System**  
Opaler/mikroprismatischer Diffusor (OPD/MCD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Durchgangsverdrahtung  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: extrudiertes Aluminium  
Diffusor: Polycarbonat  
**Oberflächenveredelung**  
Körper: elox  
**Zubehör**  
Abschlüsse (S/S)  
Befestigungsklammern  
Seilauflängung (SSD)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**  
**Montage**  
Plafonnier apparent/Suspendu  
- conçu pour une installation continue  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale/microprisme (OPD/MCD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Câblage traversant  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: aluminium extrudé  
Diffusor: polycarbonate  
**Finition de surface**  
Corps: elox  
**Accessoires**  
Extrémités (S/S)  
Supports de montage  
Câble de suspension (SSD)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

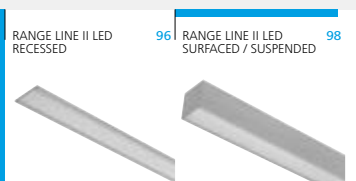
**SK**  
**Montáž**  
Prisadené/Závesné  
- predurčené na montáž do línií  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový/mikroprizmatický difúzor (OPD/MCD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Priehľadné vinutie  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: extrudovaný hliník  
Difúzor: polykarbonát  
**Povrchová úprava**  
Teleso: elox  
**Príslušenstvo**  
Koncovky (S/S)  
Montážne držiaky  
Lankový záves (SSD)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

**ES**  
**Montaje**  
Sobrepuestas en el techo/Suspendidas  
- específico para instalaciones continuas  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor ópalo/microprismático (OPD/MCD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
A través de cableado  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: aluminio extruido  
Difusor: policarbonato  
**Tratamiento de la superficie**  
Cuerpo: elox  
**Accesorios**  
Tapas en los extremos (S/S)  
Escuadras de montaje  
Cable de suspensión (SSD)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**  
**Installazione**  
A plafone/A sospensione  
- per installazioni in linea  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale/microprismatico (OPD/MCD)  
**Cablaggio**  
Accostevole ballast elettronico FIX/DALI (ECG/EDA)  
Cablaggio passante  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: alluminio estruso  
Diffusore: policarbonato  
**Finitura**  
Cuerpo: elox  
**Accessori**  
Terminali (S/S)  
Supporti per installazione  
Cavo di sospensione (SSD)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**  
**Установка**  
Потолочная накладная / Подвесная  
- рассчитанная на долговременную установку  
**Источник света**  
LED  
**Оптическая система**  
Матовый/микропризм. рассеиватель (OPD/MCD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Сквозная проводка  
блок аварийного освещения (1Н/3Н)  
**Материал**  
Корпус: экструдированный алюминий  
Рассеиватель: поликарбонат  
**Отделка поверхности**  
Корпус: эпокс  
**Аксессуары**  
Торцевые крышки (S/S)  
Монтажные кронштейны  
Тросовый подвес (SSD)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От 0 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
RANGE LINE II system efficacy up to 98 lm/W	80+Ra	3000 K	ECG FIX	3H	OPAL	up to 4900 lm	RECESSED
	90+Ra	4000 K	ECG DALI		MICROPRISMA		SURFACED
							SUSPENDED



CONTINUOUS LINES AND TRUNKING SYSTEMS

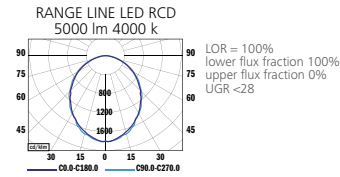
RANGE LINE LED RECESSED

OPAL  
LED

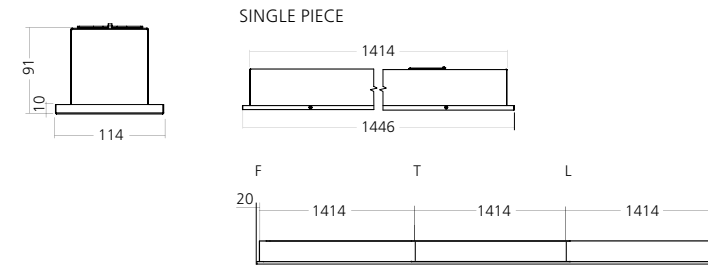


# Range Line LED Recessed

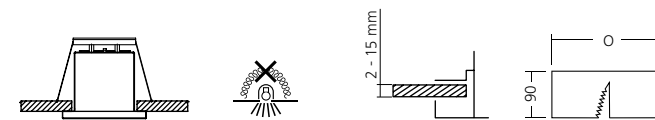
PHOTOMETRY



SINGLE PIECE



MOUNTING



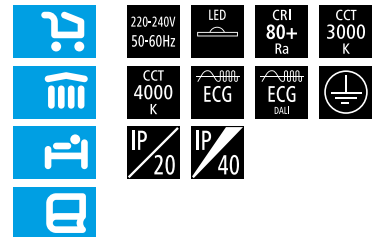
	O (mm)
F / L / SINGLE PIECE	1425
T	1414

DIF OPAL (OPD)



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
RANGE LINE LED RCD SP	4750	55	86	80+	3000	105°	3.9
RANGE LINE LED RCD SP	5000	55	91	80+	4000	105°	3.9
RANGE LINE LED RCD	4750	55	86	80+	3000	105°	4.1 / 4.2 / 4.0
RANGE LINE LED RCD	5000	55	91	80+	4000	105°	4.1 / 4.2 / 4.0

Luminous flux tolerance +/- 10%



EN

**Mounting**  
Ceiling recessed - determined for continuous installation

**Light Source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA) Through wiring (F/T)

**Materials**  
Housing: sheet steel  
Diffuser: PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
from -20°C to +35 °C

DE

**Montage**  
Einbauleuchte - mit Erweiterungsmöglichkeit

**Lichtquelle**  
LED

**Optisches System**  
Opaler Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA) Durchgangsverdrahtung (F/T)

**Material**  
Körper: Stahlblech  
Diffusor: PMMA

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable - conçu pour une installation continue

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA) Câblage traversant (F/T)

**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Vsadené - predurčené na montáž do línií

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA) Priebežné vinutie (F/T)

**Material**  
Těleso: ocelový plech  
Difúzor: PMMA

**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo - específico para instalaciones continuas

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA) A través de cableado (F/T)

**Material**  
Cuerpo: lámina de acero  
Difusor: PMMA

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
Ad incasso a soffitto - per installazioni in linea

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Accostevole ballast elettronico FIX/DALI (ECG/EDA) Cablaggio passante (F/T)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: PMMA

**Finitura**  
Cuerpo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная встраиваемая - рассчитанная на долговременную установку

**Источник света**  
LED

**Оптическая система**  
Матовый рассеиватель (OPD/MCD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA) Сквозная проводка

**Material**  
Корпус: листовая сталь  
Рассеиватель: полиметилметакрилат

**Отделка поверхности**  
Корпус: листовая сталь

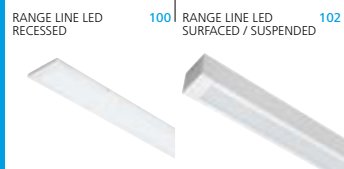
**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От 0 °C до +35 °C

SPECIFICATION MATRIX

RANGE LINE system efficacy up to 91 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
80+Ra	3000 K	ECG FIX	3H	OPAL	F / L / T up to 5000 lm	RECESSED
90+Ra	4000 K	ECG DALI		MICROPRISMA		SUSPENDED





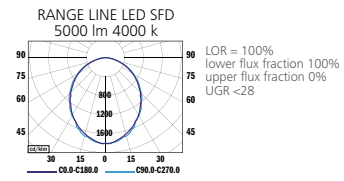
RANGE LINE LED SURFACED / SUSPENDED

OPAL LED

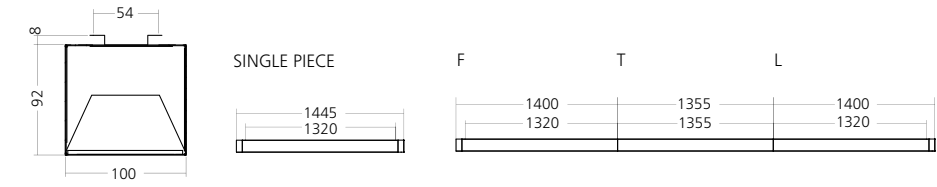


# Range Line LED Surfaced / Suspended

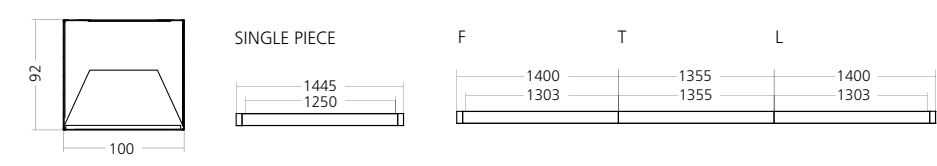
PHOTOMETRY



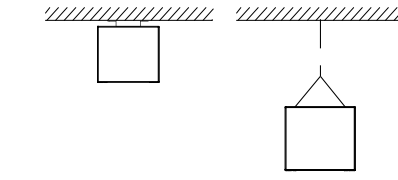
SURFACED



SUSPENDED

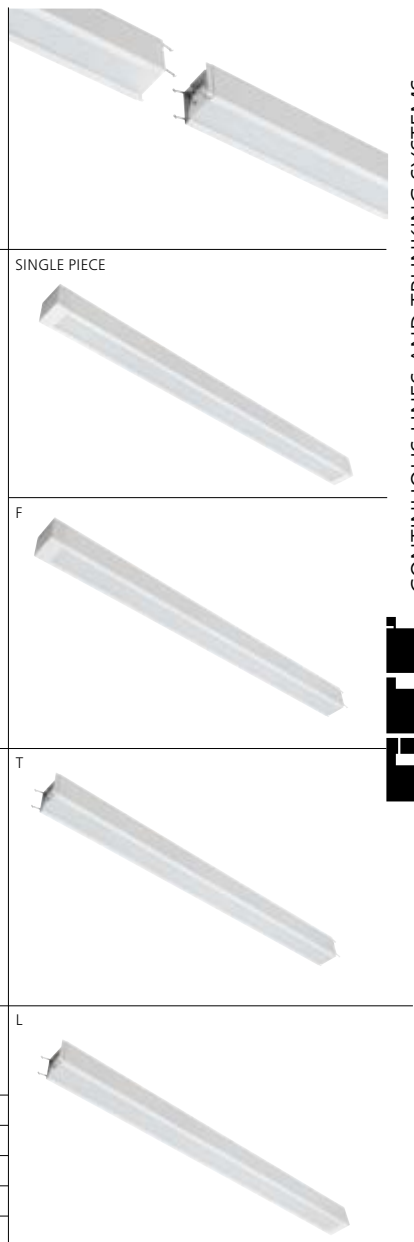


MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
RANGE LINE LED SP	4750	55	86	80+	3000	105°	3.9
RANGE LINE LED SP	5000	55	91	80+	4000	105°	3.9
RANGE LINE LED F / T / L	4750	55	86	80+	3000	105°	4.1 / 4.2 / 4.0
RANGE LINE LED F / T / L	5000	55	91	80+	4000	105°	4.1 / 4.2 / 4.0

Luminous flux tolerance +/- 10%



CONTINUOUS LINES AND TRUNKING SYSTEMS

220-240V 50-60Hz  
LED  
CCT 4000 K  
IP 20

CRI 80+ Ra  
ECG  
IP 20

CCT 3000 K  
ECG DALI

**EN**  
**Mounting** Surfaced/Suspended - determined for continuous installation  
**Light Source** LED  
**Optical system** Opal diffuser (OPD)  
**Wiring** Electronic control gear FIX/DALI (ECG/EDA) Through wiring (F/T)  
**Materials** Housing: sheet steel Diffuser: PMMA  
**Surface finish** Housing: white RAL 9003 (W03)  
**Service lifetime** 50,000 hours/L80  
**Ambient temperature** from -20°C to +35 °C

**DE**  
**Montage** Deckenleuchte/Hängend - mit Erweiterungsmöglichkeit  
**Lichtquelle** LED  
**Optisches System** Opaler Diffusor (OPD)  
**Vorschaltgerät** Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA) Durchgangsverdrahtung (F/T)  
**Material** Körper: Stahlblech Diffusor: PMMA  
**Oberflächenveredelung** Körper: Weiss RAL 9003 (W03)  
**Lebensdauer** 50,000 Stunden/L80  
**Umgebungstemperatur** Von -20 °C bis +35 °C

**FR**  
**Montage** Plafonnier apparent/Sus-pendu - conçu pour une installation continue  
**Source lumineuse** LED  
**Système optique** Diffuseur opale (OPD)  
**Équipement électrique** Ballast électronique FIX/DALI (ECG/EDA) Câblage traversant (F/T)  
**Matériels** Corps: tôle d'acier Diffuseur: PMMA  
**Finition de surface** Corps: blanc RAL 9003 (W03)  
**Durée de vie utile** 50,000 heures/L80  
**Température ambiante** De -20 °C à +35 °C

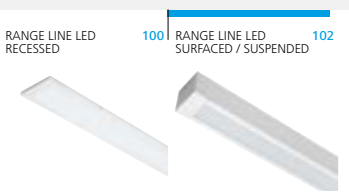
**SK**  
**Montáž** Prísadené/Závesné - predurčené na montáž do línií  
**Svetelný zdroj** LED  
**Optický systém** Opálový (OPD)  
**Elektrická výbava** Elektronický predradník FIX/DALI (ECG/EDA) Priebežné vinutie (F/T)  
**Material** Teleso: oceľový plech Diffúzor: PMMA  
**Povrchová úprava** Teleso: biela RAL 9003 (W03)  
**Servisná životnosť** 50,000 hodín/L80  
**Teplota okolia** Od -20 °C do +35 °C

**ES**  
**Montaje** Sobrepuestas en el techo/Suspendidas - específico para instalaciones continuas  
**Fuente luminica** LED  
**Sistema óptico** Difusor ópalo (OPD)  
**Cableado** Equipo de control electrónico FIX/DALI (ECG/EDA) A través de cableado (F/T)  
**Material** Cuerpo: lámina de acero Difusor: PMMA  
**Tratamiento de la superficie** Cuerpo: blanco RAL 9003 (W03)  
**Vida útil** 50,000 horas/L80  
**Temperatura ambiente** Desde -20 °C a +35 °C

**IT**  
**Installazione** A plafone/A sospensione - per installazioni in linea  
**Sorgente luminosa** LED  
**Sistema ottico** Diffusore opale (OPD)  
**Cablaggio** Accostevole ballast elettronico FIX/DALI (ECG/EDA) Cablaggio passante (F/T)  
**Materiali** Corpo: lamina d'acciaio Diffusore: PMMA  
**Finitura** Corpo: bianco RAL 9003 (W03)  
**Durata di vita** 50,000 ore/L80  
**Temperatura d'ambiente** Da -20 °C a +35 °C

**RU**  
**Установка** Потолочная накладная / Подвесная - рассчитанная на долговременную установку  
**Источник света** LED  
**Оптическая система** Матовый рассеиватель (OPD/MCD)  
**Электрическое оснащение** Электронный аппарат FIX/DALI (ECG/EDA) Сквозная проводка  
**Материал** Корпус: листовая сталь Рассеиватель: полиметилметакрилат  
**Отделка поверхности** Корпус: листовая сталь  
**Срок службы** 50,000 часов/L80  
**Температура окружающей среды** От 0 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	DIFFUSER	DIMENSIONS	MOUNTING
RANGE LINE system efficacy up to 91 lm/W	80+Ra 90+Ra	3000 K 4000 K	ECG FIX ECG DALI	3H	OPAL MICROPRISMA	F / L / T up to 5000 lm	RECESSED SUSPENDED







Prestige system

9

5



PRESTIGE LED is the future of large-area lighting. Clearly innovative. Extremely effective. Surprisingly simple.

**PRESTIGE SYSTEM**

Surfaced and suspended mounting, easily connectable pre-wired mounting rails, end pieces and covers with or without accessories.

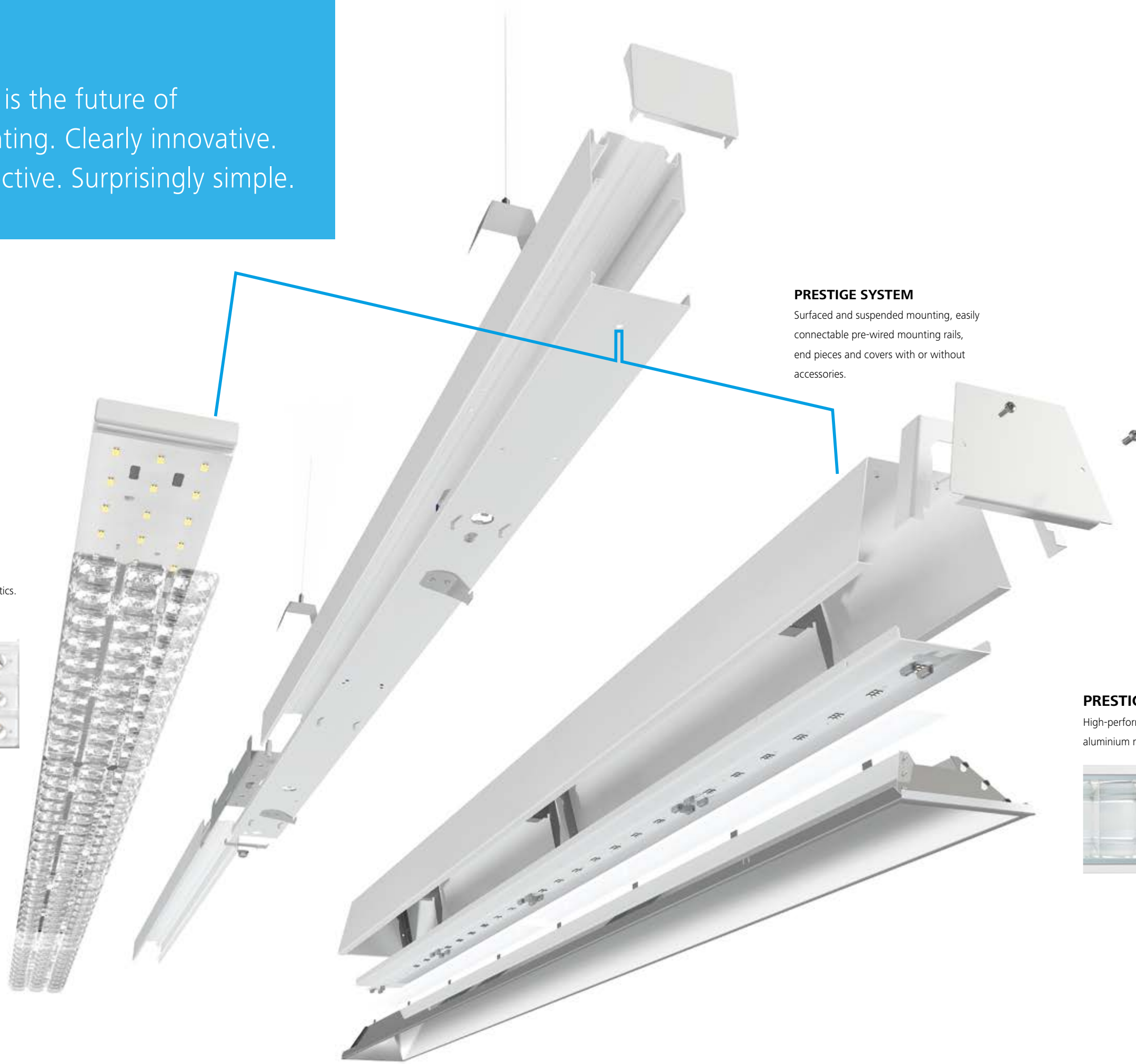
**PRESTIGE LED LSK**

High-performance LEDs, lens-only optics.



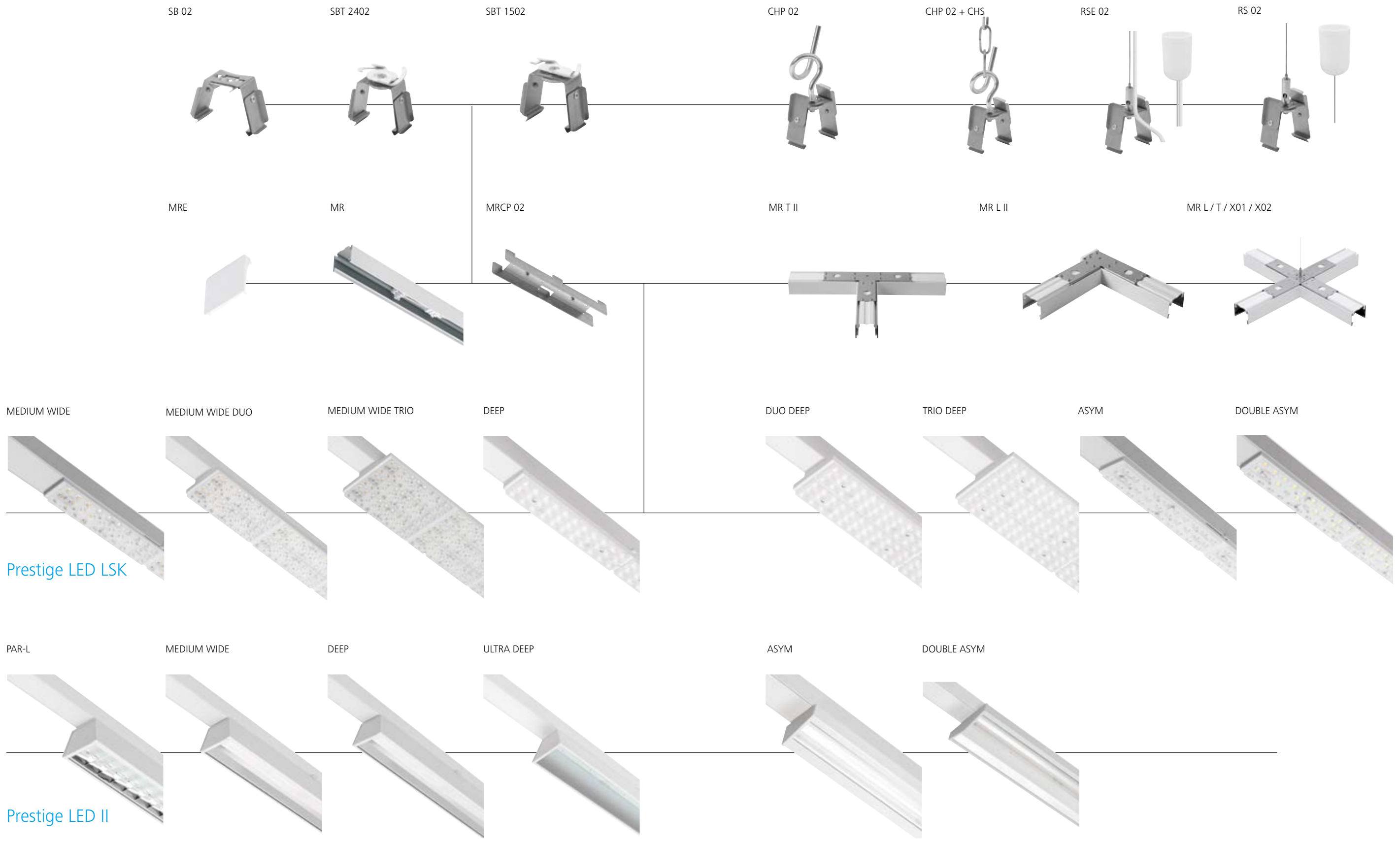
**PRESTIGE LED II**

High-performance LEDs, diffuser, polished aluminium reflector, parabolic louvre.



**PRESTIGE LED**  
COMPONENT MATRIX

FASTRUNNER



CONTINUOUS LINES AND TRUNKING SYSTEMS





# PRESTIGE SYSTEM MOUNTING RAIL



## MR – mounting rail

The mounting rail is made from calendared 0.6 mm sheet steel and has a white polyester resin paint surface finish. The rail is standardly available in two lengths (double- and triple-body) and can be supplied as a single-body on request. Wiring comprised of 5 x, 7 x, or 9 x 1.5 mm<sup>2</sup> cross-section cabling can be installed in the profile, with the option of using 2.5 mm<sup>2</sup> cabling as required. All conductive connectors are finished with axial connectors that allow for simple toolless continuous connecting of mounting rails. Wiring connectors enable easy attachment of luminaire bodies to the mounting rails.

## Pre-wired trunking

The wiring of the PRESTIGE SYSTEM is fitted during manufacture in preparation for fast and simple electrical installation and provides great flexibility. Included electrical connectors allow for mains, LMS, and emergency lighting supply connection at predefined points suitable for FD, FDH and LED 1.2 and 1.5 modules. Wiring is suitable for both 5-, 7- and 9-pole connection as requested, standardly using 1.5 mm<sup>2</sup> cabling or 2.5 mm<sup>2</sup> cabling on request. If emergency lighting is to be installed, some of the luminaires must be equipped with emergency units requiring an additional conductor for battery supply.

## 5-pole electrical connection

### a) Three-phase operation

Use of the 3-phase system allows PRESTIGE to be installed in very long uninterrupted lines, making it an ideal solution for large buildings. The 3-phase system, by utilising the third phase as a control line, also allows for any number of individual luminaires to be switched off during periods of inactivity while some remain switched on to provide a required minimum illumination.

### b) Two-phase operation + emergency lighting

When using only two phases, it is possible to use the spare phase conductor for other things such as emergency lighting.

## 7-pole electrical connection

This variant offers all of the above-mentioned advantages in addition to the possibility of including lighting control (LMS). 7-pole connection is necessary for installation in lighting systems determined for the following uses:

### a) Three-phase operation + LMS

Further to allowing for continuous connection in long uninterrupted lines and basic switching control, the extra connectors can be used for connection of dimmable electronic control gears.

### b) Two-phase operation + emergency lighting + LMS

7-pole wiring enables the implementation of emergency lighting while still offering free connectors for dimmable electronic control gears.

## 9-pole electrical connection

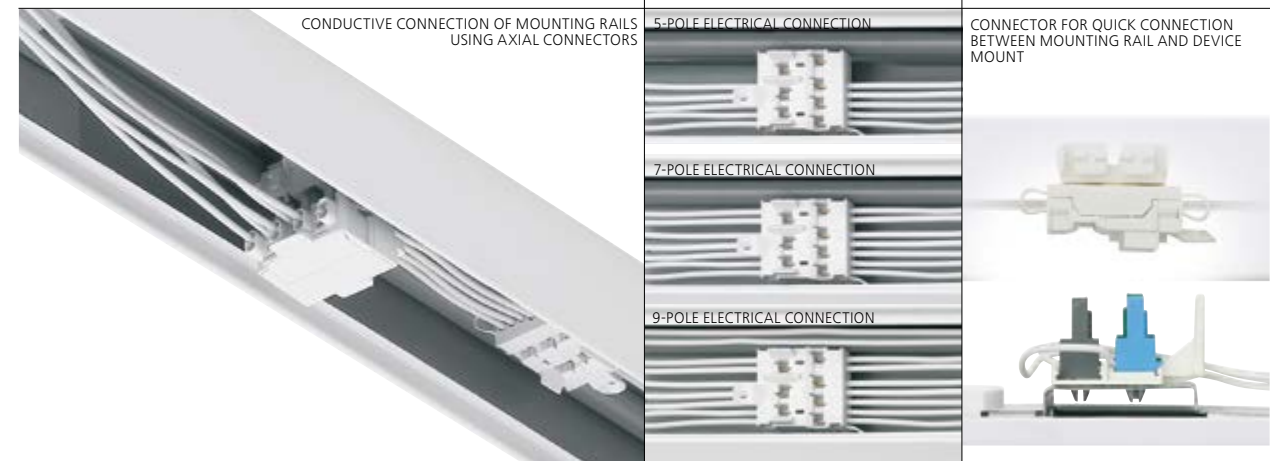
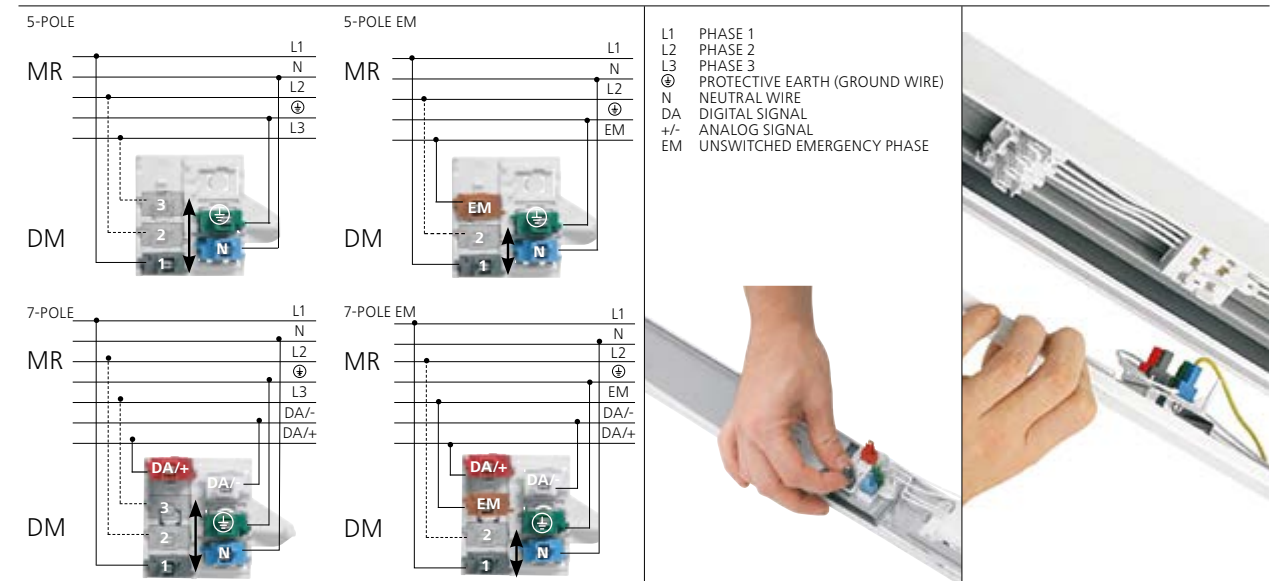
9-pole connection allows for almost unlimited inclusion of other systems in addition to standard operation, emergency lighting and an LMS. 9-pole connection is necessary for installation in lighting systems determined for the following uses:

### a) Three-phase operation + emergency lighting + LMS

Allows for full three-phase operation in addition to connection for emergency lighting and an LMS. In the case of DALI control, this broadens control possibilities.

### b) Two-phase operation + emergency lighting + emergency lighting / loud speaker system / other separated phase circuit

The additional two connectors can be used for connection of a wide range of other circuits such as a second, independent emergency lighting system, the feeding of load speakers (which can be included in the PRESTIGE SYSTEM), or any other separated phase circuit.



TYPE	1.5/2.5 mm <sup>2</sup>	L (mm)
1.2	MR FDH I 5p	5 x 1184
	MR FDH I 7p	7 x 1184
	MR FDH I 9p	9 x 1184
	MR FDH II 5p	5 x 2368
	MR FDH II 7p	7 x 2368
	MR FDH II 9p	9 x 2368
	MR FDH III 5p	5 x 3551
	MR FDH III 7p	7 x 3551
	MR FDH III 9p	9 x 3551
1.5	MR FDH I 5p	5 x 1484
	MR FDH I 7p	7 x 1484
	MR FDH I 9p	9 x 1484
	MR FDH II 5p	5 x 2968
	MR FDH II 7p	7 x 2968
	MR FDH II 9p	9 x 2968
	MR FDH III 5p	5 x 4451
	MR FDH III 7p	7 x 4451
	MR FDH III 9p	9 x 4451

FIXING POINTS FOR SUSPENSION



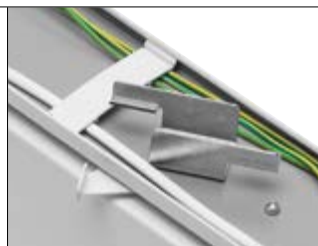



















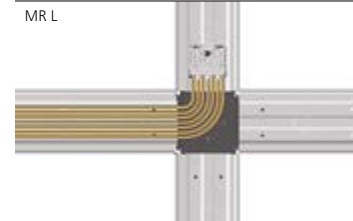
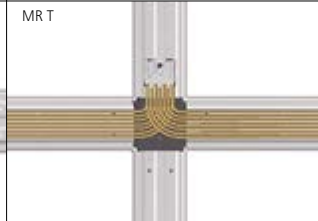
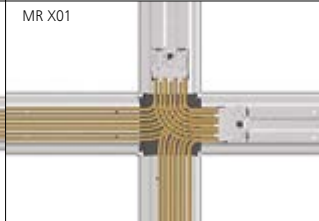
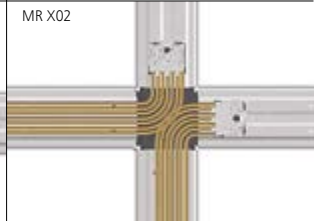
max. 2500mm

max. 2500mm

max. 2500mm

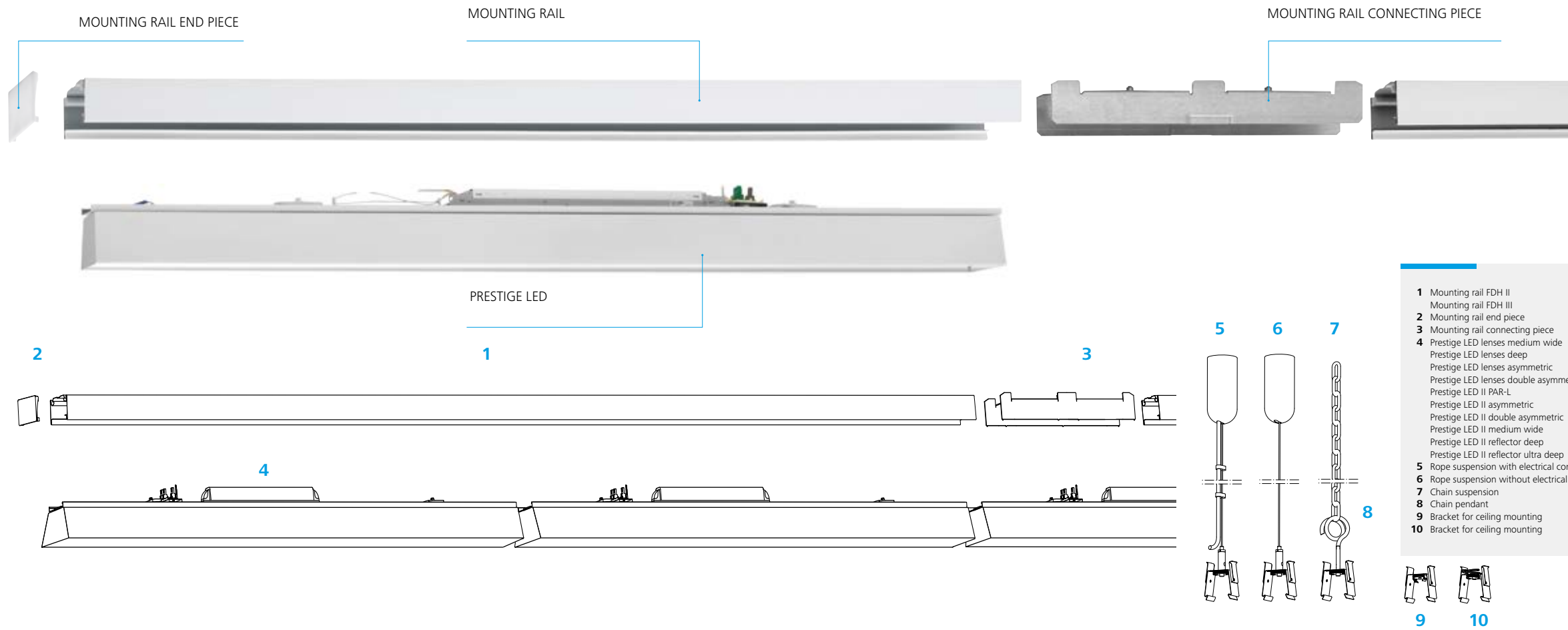
3xDM LED 1.5

3xDM LED 1.5

<p><b>RSE 02 – suspension with electric cable</b> An adjustable rope used for the suspension of mounting rails along with a 3-, 5-, or 9-pole 1.5 mm<sup>2</sup> cable for connection to the mains. Cables are standardly supplied with a length of 1100 mm with other lengths available on request.</p>		<p><b>RS 02 – suspension</b> An adjustable 1.5 mm diameter rope used for the suspension of mounting rails. Standardly supplied with a length of 1100 mm, other lengths are available on request.</p>		<p><b>LED device mount</b> The LED device mount is standardly attached directly to the mounting rail using two built-in clamps, which allow for simple installation without additional tools. Device mounts are made of calendared sheet steel with a white polyester resin paint surface finish. They are available in lengths of 1.2 m and 1.5 m, both of which are suitable for all optical variants. The connector located on the control gear tray allows for simple electrical connection of the LED device to the mounting rail. It also enables phase selection (5-, 7- and 9-pole connection) by means of positioning a moveable contact. Any free contacts can be used for the configuration of the LED device for dimming or emergency lighting. For the case that there is a gap between device mounts, the mounting rail can be finished with a mounting rail cover.</p>			
<p><b>CHS – chain suspension</b> A chain used for the suspension of mounting rails. Standardly supplied with a length of 1100 mm, other lengths are available on request.</p>		<p><b>CHP 02 – chain bracket</b> Mounting bracket for suspension chains.</p>		<p><b>Fly connector</b> Adjustable connector on a 1.5 m cable.</p>	<p><b>MR COVER</b></p> 	<p><b>MR PLASTIC COVER</b></p> 	
<p><b>SBT 2402 – bracket for ceiling mounting</b> A quick-fix bracket for mounting of the mounting rails in T-profile (24 mm) ceilings.</p>		<p><b>SBT 1502 – bracket for ceiling mounting</b> A quick-fix bracket for mounting of the mounting rails in T-profile (15 mm) ceilings.</p>		<p><b>Sensor</b> Built-in sensor (type upon customer request).</p>			
<p><b>SB 02 – bracket for ceiling mounting</b> A quick-fix bracket for mounting of the mounting rails on the ceiling.</p>		<p><b>MRE – mounting rail end piece</b> A self-extinguishing ABS plastic cover used to finish open ends of mounting rails. End pieces must be ordered separately.</p>		<p><b>Socket</b> It is possible to integrate electrical plug sockets into the PRESTIGE SYSTEM using the existing electrical wiring.</p>			
<p><b>MRCP 02 – mounting rail connecting piece</b> A standard connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel.</p>		<p><b>MR L II – L-shaped mounting rail corner connector</b> An L-shaped mounting rail corner connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel.</p>		<p><b>FD/FDH track device mount</b> It is possible to combine the GLOBAL Trac system with PRESTIGE for the incorporation of spotlights (0.6 m GLOBAL trac to 1.2 m DM / 0.9 m GLOBAL trac to 1.5 m DM).</p>			
<p><b>MR T II – T-shaped mounting rail connector</b> A T-shaped mounting rail connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel.</p>		<p><b>MR L/T/X01/X02 – cross-shaped mounting rail connector</b> A cross-shaped mounting rail connector that allows for both mechanical and electrical connection through insertion into other mounting rail parts. Made of zinc-coated sheet steel. Standardly supplied with a plastic cap cover and the necessary number of end pieces.</p>		<p>MR L</p> 	<p>MR T</p> 	<p>MR X01</p> 	<p>MR X02</p> 



**PRESTIGE SYSTEM**  
ACCESSORIES



- 1 Mounting rail FDH II
  - 2 Mounting rail end piece
  - 3 Mounting rail connecting piece
  - 4 Prestige LED lenses medium wide
  - Prestige LED lenses deep
  - Prestige LED lenses asymmetric
  - Prestige LED lenses double asymmetric
  - Prestige LED II PAR-L
  - Prestige LED II asymmetric
  - Prestige LED II double asymmetric
  - Prestige LED II medium wide
  - Prestige LED II reflector deep
  - Prestige LED II reflector ultra deep
  - 5 Rope suspension with electrical connection
  - 6 Rope suspension without electrical connection
  - 7 Chain suspension
  - 8 Chain pendant
  - 9 Bracket for ceiling mounting
  - 10 Bracket for ceiling mounting
- MR FDH II p
  - MR FDH III
  - MRE
  - MRCP 02
  - LSK MEDIUM WIDE / DUO / TRIO
  - LSK DEEP / DUO / TRIO
  - LSK ASYM
  - LSK DOUBLE ASYM
  - LED II PAR-L
  - LED II ASYM
  - LED II DOUBLE ASYM
  - LED II MEDIUM WIDE
  - LED II DEEP
  - LED II ULTRA DEEP
  - RSE 02
  - RS 02
  - CHS
  - CHP 02
  - SB02
  - SBT 1502 / 2402

LENGTH (m)		MOUNTING RAIL		SUSPENSION BRACKET		MOUNTING RAIL CONNECTING PIECE	MOUNTING RAIL END PIECE	PRESTIGE LED MR COVER	TYPE	LENGTH (mm)
1.2	1.5	MR FDH II	MR FDH III	1.2	1.5	MRCP 02	MRE (SET/2 x pc.)			
2.37	2.97	1	-	2	2	-	1	2	MR FDH I	1184
3.55	4.45	-	1	2	2	-	1	3	MR FDH II	2368
4.74	5.94	2	-	3	3	1	1	4	MR FDH III	3551
5.92	7.42	1	1	3	4	1	1	5		
7.10	8.90	-	2	4	4	1	1	6	MR FDH I	1484
8.29	10.39	2	1	4	5	2	1	7	MR FDH II	2968
9.47	11.87	1	2	5	6	2	1	8	MR FDH III	4451
10.65	13.35	-	3	5	6	2	1	9		
11.84	14.84	2	2	6	7	3	1	10		
13.02	16.32	1	3	6	8	3	1	11		
14.20	17.80	-	4	7	8	3	1	12	MR L/T/X01/X02	540 x 540
15.39	19.29	2	3	7	9	4	1	13	MR L II	315 x 304
16.57	20.77	1	4	8	10	4	1	14	MR T II	540 x 304
17.76	22.26	-	5	8	10	4	1	15		
18.94	23.74	2	4	9	11	5	1	16		
20.12	25.22	1	5	9	11	5	1	17		
21.31	26.71	-	6	10	12	5	1	18		
22.49	28.19	2	5	10	13	6	1	19		
23.67	29.67	1	6	11	13	6	1	20		
24.86	31.16	-	7	11	14	6	1	21		
26.04	32.64	2	6	12	15	7	1	22		
27.23	34.13	1	7	12	15	7	1	23		
28.41	35.61	-	8	13	16	7	1	24		
29.59	37.09	2	7	13	17	8	1	25		
30.78	38.58	1	8	14	17	8	1	26		
31.96	40.06	-	9	14	18	8	1	27		
33.14	41.54	2	8	15	19	9	1	28		
34.33	43.03	1	9	15	19	9	1	29		
35.51	44.51	-	10	16	20	9	1	30		

**PRESTIGE SYSTEM**  
SUPPLEMENTARY DEVICES

The PRESTIGE system can be fit with many different supplementary devices meaning you can tailor it to the precise needs of any space.

**Sensors**

Why not add sensors to your PRESTIGE installation? Various sensors have various functions, meaning that you can truly make the most of your lighting system. Very simple to install on the rail, discreet, and highly effective, the additional functionality and energy savings ensured by their use makes adding sensors a viable and practical option.



**Track luminaires**

In many types of space, it is beneficial to use accent lighting to effectively draw attention to the right places. The PRESTIGE SYSTEM enables the addition of track spotlight luminaires directly on the same mounting rail as the PRESTIGE luminaires. This provides the perfect combination of practical and attention grabbing lighting without complication.



AIR ECO



AIR II



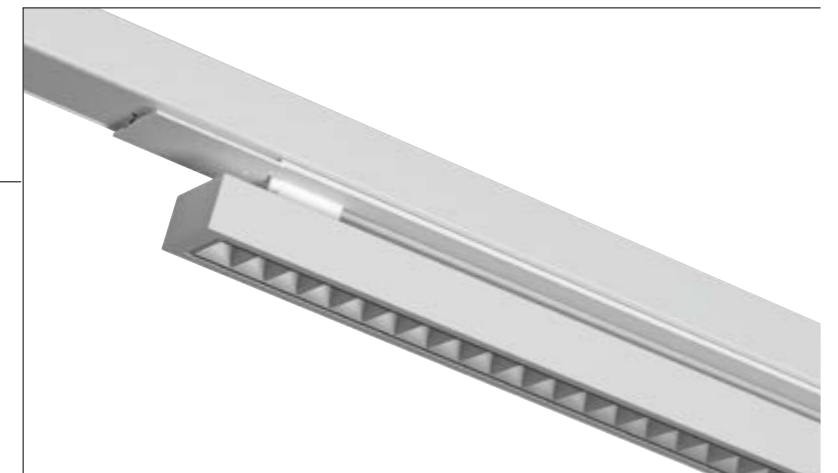
ZIPAR TRACK



COMET TRACK



CANOPUS





NEW

## PRESTIGE LED LSK

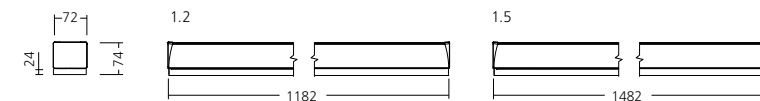
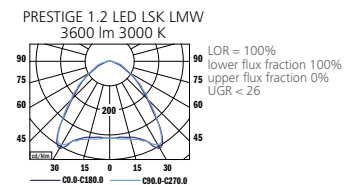
MEDIUM WIDE  
LED

FASTRUNNER

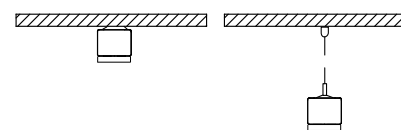


# Prestige LED LSK Medium Wide

## PHOTOMETRY

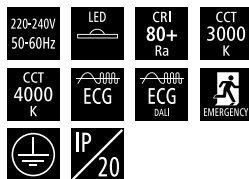


## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H	WEIGHT (kg)
PRESTIGE 1.2 LED LSK LMW	3600	35	103	80+	3000	92°, 96°	330	2.1
PRESTIGE 1.2 LED LSK LMW	3800	35	109	80+	4000	92°, 96°	340	2.1
PRESTIGE 1.2 LED LSK LMW	5500	54	102	80+	3000	92°, 96°	330	2.1
PRESTIGE 1.2 LED LSK LMW	5800	54	107	80+	4000	92°, 96°	340	2.1
PRESTIGE 1.5 LED LSK LMW	4500	44	102	80+	3000	92°, 96°	330	2.5
PRESTIGE 1.5 LED LSK LMW	4750	44	108	80+	4000	92°, 96°	340	2.5
PRESTIGE 1.5 LED LSK LMW	6950	68	102	80+	3000	92°, 96°	330	2.5
PRESTIGE 1.5 LED LSK LMW	7350	68	108	80+	4000	92°, 96°	340	2.5

Luminous flux tolerance +/- 10 %.



## EN

**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)

**Light source**  
LED

**Optical system**  
Medium wide lenses (LMW)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Lenses: PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Components for system PRESTIGE

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
from -20°C to +35 °C  
(from 0°C with EM unit)

## DE

**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)

**Lichtquelle**  
LED

**Optisches System**  
Medium weiten Linsen (LMW)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Lentiles: PMMA

**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)

**Zubehör**  
Komponenten für System PRESTIGE

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

## FR

**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)

**Source lumineuse**  
LED

**Système optique**  
Medium-large Lentilles (LMW)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Lentilles: PMMA

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Composants pour le PRESTIGE du système

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

## SK

**Montáž**  
Závesné alebo prísadené  
- predurčené na montáž do línií (MDS)

**Svetelný zdroj**  
LED

**Optický systém**  
Stredne široké šošovky (LMW)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Těleso: ocelový plech  
Šošovky: PMMA

**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Komponenty pre systém PRESTIGE

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

## ES

**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)

**Fuente luminica**  
LED

**Sistema óptico**  
Lentes de anchura media (LMW)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Lentes: PMMA

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Componentes para PRESTIGE sistema

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

## IT

**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Lenti a livello medio (LMW)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Lenti: PMMA

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Componenti per il prestigio del sistema

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

## RU

**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)

**Источник света**  
LED

**Оптическая система**  
Средней ширины Линзы (LMW)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Линзы: PMMA

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Компоненты для системы PRESTIGE

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

PRESTIGE LED LSK  
system efficacy  
up to 138 lm/W

CRI	CCT	ECG	EMERGENCY UNIT
80+Ra	3000 K	ECG FIX	3H
90+Ra	4000 K	ECG DALI	
	2700 K		
	5000 K		
	6500 K		

OPTICAL SYSTEM	UP TO
MEDIUM WIDE	up to 7350 lm
DUO MEDIUM WIDE	up to 9050 lm
TRIO MEDIUM WIDE	up to 18,100 lm
DEEP	up to 18,100 lm
DUO DEEP	up to 27,150 lm
TRIO DEEP	up to 7550 lm
ASYM	up to 5600 lm
DOUBLE ASYM	up to 14,650 lm



NEW

## PRESTIGE LED LSK DUO

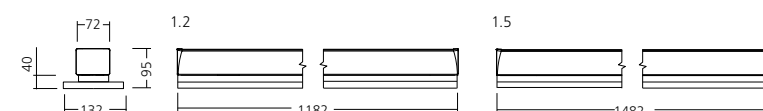
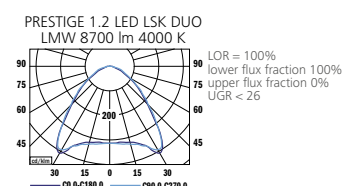
MEDIUM WIDE  
LED

FASTRUNNER

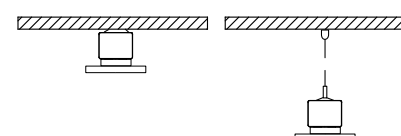


# Prestige LED LSK Duo Medium Wide

## PHOTOMETRY

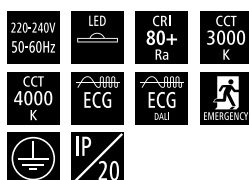


## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED LSK DUO LMW	8250	67	123	80+	3000	95°	-	3.5
PRESTIGE 1.2 LED LSK DUO LMW	8700	67	130	80+	4000	95°	-	3.5
PRESTIGE 1.2 LED LSK DUO LMW	11,700	99	118	80+	3000	95°	-	3.5
PRESTIGE 1.2 LED LSK DUO LMW	12,250	99	124	80+	4000	95°	-	3.5
PRESTIGE 1.5 LED LSK DUO LMW	10,350	84	123	80+	3000	95°	300	4.4
PRESTIGE 1.5 LED LSK DUO LMW	10,850	84	129	80+	4000	95°	320	4.4
PRESTIGE 1.5 LED LSK DUO LMW	14,600	122	120	80+	3000	95°	300	4.4
PRESTIGE 1.5 LED LSK DUO LMW	15,350	122	126	80+	4000	95°	320	4.4

Luminous flux tolerance +/- 10 %.



## EN

**Mounting**Suspended or ceiling surfaced  
- determined for continuous installation (MDS)**Light source**

LED

**Optical system**

Medium wide lenses (LMW)

**Wiring**

Electronic control gear FIX/DALI (ECG/EDA)

Emergency unit variant (3H)

**Materials**

Housing: sheet steel

Lenses: PMMA

**Surface finish**

Housing: white RAL 9003 (W03)

**Accessories**

Components for system PRESTIGE

**Service lifetime**

50,000 hours/L80

**Ambient temperature**

from -20°C to +35 °C

(from 0°C with EM unit)

## DE

**Montage**Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)**Lichtquelle**

LED

**Optisches System**

Medium weiten Linsen (LMW)

**Vorschaltgerät**

Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

Notbeleuchtung Variante (3H)

**Material**

Körper: Stahlblech

Linsen: PMMA

**Oberflächenveredelung**

Körper: weiss RAL 9003 (W03)

**Zubehör**

Komponenten für System PRESTIGE

**Lebensdauer**

50,000 Stunden/L80

**Umgebungstemperatur**

Von -20 °C bis +35 °C

(von 0°C mit Notbeleuchtung)

## FR

**Montage**Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)**Source lumineuse**

LED

**Système optique**

Medium-large Lentilles (LMW)

**Équipement électrique**

Ballast électronique FIX/DALI (ECG/EDA)

Variante de l'unité de secours (3H)

**Matériels**

Corps: tôle d'acier

Lentilles: PMMA

**Finition de surface**

Corps: blanc RAL 9003 (W03)

**Accessoires**

Composants pour le PRESTIGE du système

**Durée de vie utile**

50,000 heures/L80

**Température ambiante**

De -20 °C à +35 °C

(de 0°C avec l'unité de secours)

## SK

**Montáž**Závesné alebo prisadené  
- predurčené na montáž do línií (MDS)**Svetelný zdroj**

LED

**Optický systém**

Stredne široké šošovky (LMW)

**Elektrická výbava**

Elektronický predradník FIX/DALI (ECG/EDA)

Varianta s núdzovou jednotkou (3H)

**Material**

Těleso: ocelový plech

Šošovky: PMMA

**Povrchová úprava**

Těleso: biela RAL 9003 (W03)

**Príslušenstvo**

Komponenty pre systém PRESTIGE

**Servisná životnosť**

50,000 hodín/L80

**Teplota okolia**

Od -20 °C do +35 °C

(od 0°C s núdzovou jednotkou)

## ES

**Montaje**Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)**Fuente luminica**

LED

**Sistema óptico**

Lentes de anchura media (LMW)

**Cableado**

Equipo de control electrónico FIX/DALI (ECG/EDA)

Variante unidad de emergencia (3H)

**Material**

Cuerpo: lámina de acero

Lentes: PMMA

**Tratamiento de la superficie**

Cuerpo: blanco RAL 9003 (W03)

**Accesorios**

Componentes para PRESTIGE sistema

**Vida útil**

50,000 horas/L80

**Temperatura ambiente**

Desde -20 °C a +35 °C

(desde 0°C con unidad de emergencia)

## IT

**Installazione**Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)**Sorgente luminosa**

LED

**Sistema ottico**

Lenti a livello medio (LMW)

**Cablaggio**

Ballast elettronico FIX/DALI (ECG/EDA)

Variante unità di emergenza (3H)

**Materiali**

Corpo: lamina d'acciaio

Lenti: PMMA

**Finitura**

Corpo: bianco RAL 9003 (W03)

**Accessori**

Componenti per il prestigio del sistema

**Durata di vita**

50,000 ore/L80

**Temperatura d'ambiente**

Da -20 °C a +35 °C

(da 0°C con unità di emergenza)

## RU

**Установка**Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)**Источник света**

LED

**Оптическая система**

Средней ширины Линзы (LMW)

**Электрическое оснащение**

Электронный аппарат FIX/DALI (ECG/EDA)

Блок аварийного освещения (3H)

**Материал**

Корпус: листовая сталь

Линзы: PMMA

**Отделка поверхности**

Корпус: белый RAL 9003 (W03)

**Аксессуары**

Компоненты для системы PRESTIGE

**Срок службы**

50,000 часов/L80

**Температура окружающей среды**

От -20 °C до +35 °C

(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

PRESTIGE LED LSK  
system efficacy  
up to 138 lm/WCRI  
80+Ra  
90+RaCCT  
3000 K  
4000 K  
2700 K  
5000 K  
6500 KECG  
ECG FIX  
ECG DALIEMERGENCY  
UNIT  
3H

## OPTICAL SYSTEM

MEDIUM WIDE	up to 7350 lm
DUO MEDIUM WIDE	up to 9050 lm
TRIO MEDIUM WIDE	up to 18,100 lm
DEEP	up to 18,100 lm
DUO DEEP	up to 27,150 lm
TRIO DEEP	up to 7550 lm
ASYM	up to 5600 lm
DOUBLE ASYM	up to 14,650 lm





NEW

PRESTIGE LED LSK TRIO

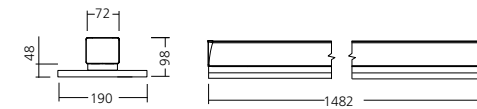
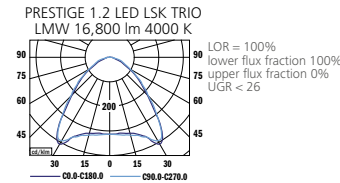
MEDIUM WIDE  
LED

FASTRUNNER

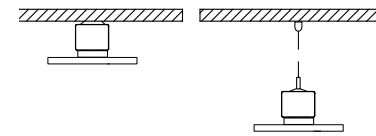


# Prestige LED LSK Trio Medium Wide

PHOTOMETRY

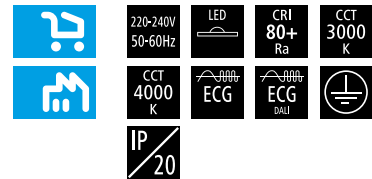


MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C)	POWER CONSUMPTION	SYSTEM EFFICACY	COLOUR RENDERING INDEX	CORRELATED COLOUR TEMPERATURE	BEAM ANGLE	WEIGHT
	(lm)	(W)	(lm/W)	CRI (Ra)	CCT (K)	(C0-180, C90-270)	(kg)
PRESTIGE 1.5 LED LSK TRIO LMW	16,000	135	119	80+	3000	95°	7.8
PRESTIGE 1.5 LED LSK TRIO LMW	16,800	135	124	80+	4000	95°	7.8
PRESTIGE 1.5 LED LSK TRIO LMW	23,600	207	114	80+	3000	95°	7.8
PRESTIGE 1.5 LED LSK TRIO LMW	24,800	207	120	80+	4000	95°	7.8

Luminous flux tolerance +/- 10 %.



**EN**

**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)

**Light source**  
LED

**Optical system**  
Medium wide lenses (LMW)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: sheet steel  
Lenses: PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Components for system PRESTIGE

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
from -20°C to +35 °Ct)

**DE**

**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)

**Lichtquelle**  
LED

**Optisches System**  
Medium weiten Linsen (LMW)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Stahlblech  
Linsen: PMMA

**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)

**Zubehör**  
Komponenten für System PRESTIGE

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**

**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)

**Source lumineuse**  
LED

**Système optique**  
Medium-large Lentilles (LMW)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: tôle d'acier  
Lentilles: PMMA

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Composants pour le PRESTIGE du système

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

**SK**

**Montáž**  
Závěsné alebo prisadené  
- predurčené na montáž do línií (MDS)

**Svetelný zdroj**  
LED

**Optický systém**  
Stredne široké šošovky (LMW)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: oceľový plech  
Šošovky: PMMA

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Komponenty pre systém PRESTIGE

**Service životnosť**  
50,000 hodin/L80

**Teplota okolia**  
Od -20 °C do +35 °C

**ES**

**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)

**Fuente luminica**  
LED

**Sistema óptico**  
Lentes de anchura media (LMW)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: lámina de acero  
Lentes: PMMA

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Componentes para PRESTIGE sistema

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**

**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Lenti a livello medio (LMW)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: lamina d'acciaio  
Lenti: PMMA

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Componenti per il prestigio del sistema

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**

**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)

**Источник света**  
LED

**Оптическая система**  
Средней ширины Линзы (LMW)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: листовая сталь  
Линзы: PMMA

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Компоненты для системы PRESTIGE

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	3H	MEDIUM WIDE up to 7350 lm DUO MEDIUM WIDE up to 9050 lm TRIO MEDIUM WIDE up to 18,100 lm DEEP up to 18,100 lm DUO DEEP up to 27,150 lm TRIO DEEP up to 7550 lm ASYM up to 5600 lm DOUBLE ASYM up to 14,650 lm



NEW

PRESTIGE LED LSK

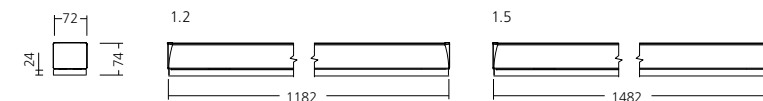
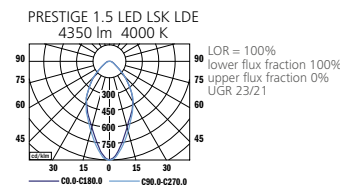
DEEP LED

FASTRUNNER

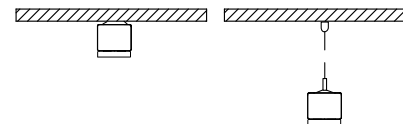


# Prestige LED LSK Deep

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (CO-180, C90-270)	EMERGENCY UNIT 3H	WEIGHT (kg)
PRESTIGE 1.2 LED LSK LDE	4100	32	128	80+	3000	56°	400	2.2
PRESTIGE 1.2 LED LSK LDE	4350	32	136	80+	4000	56°	420	2.2
PRESTIGE 1.2 LED LSK LDE	6100	54	113	80+	3000	56°	400	1.2
PRESTIGE 1.2 LED LSK LDE	6450	54	119	80+	4000	56°	420	1.2
PRESTIGE 1.5 LED LSK LDE	5200	40	130	80+	3000	56°	400	2.6
PRESTIGE 1.5 LED LSK LDE	5500	40	138	80+	4000	56°	420	2.6
PRESTIGE 1.5 LED LSK LDE	7750	68	114	80+	3000	56°	400	2.6
PRESTIGE 1.5 LED LSK LDE	8200	68	121	80+	4000	56°	420	2.6
PRESTIGE 1.5 LED LSK LDE	8600	80	108	80+	3000	56°	400	2.6
PRESTIGE 1.5 LED LSK LDE	9050	80	113	80+	4000	56°	420	2.6

Luminous flux tolerance +/- 10 %.



**EN**  
**Mounting**  
 Suspended or ceiling surfaced  
 - determined for continuous installation (MDS)  
**Light source**  
 LED  
**Optical system**  
 Deep lenses (LDE)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
 Emergency unit variant (3H)  
**Materials**  
 Housing: sheet steel  
 Lenses: PMMA  
**Surface finish**  
 Housing: white RAL 9003 (W03)  
**Accessories**  
 Components for system PRESTIGE  
**Service lifetime**  
 50,000 hours/L80  
**Ambient temperature**  
 from -20°C to +35 °C  
 (from 0°C with EM unit)

**DE**  
**Montage**  
 Hänge- oder Deckenleuchte  
 - mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
 LED  
**Optisches System**  
 Tiefe Linsen (LDE)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
 Notbeleuchtung Variante (3H)  
**Material**  
 Körper: Stahlblech  
 Linsen: PMMA  
**Oberflächenveredelung**  
 Körper: weiss RAL 9003 (W03)  
**Zubehör**  
 Komponenten für System PRESTIGE  
**Lebensdauer**  
 50,000 Stunden/L80  
**Umgebungstemperatur**  
 Von -20 °C bis +35 °C  
 (von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
 Plafonnier suspendu ou apparent  
 - conçu pour une installation continue (MDS)  
**Source lumineuse**  
 LED  
**Système optique**  
 Profonde Lentilles (LDE)  
**Équipement électrique**  
 Ballast électronique FIX/DALI (ECG/EDA)  
 Variante de l'unité de secours (3H)  
**Matériaux**  
 Corps: tôle d'acier  
 Lentilles: PMMA  
**Finition de surface**  
 Corps: blanc RAL 9003 (W03)  
**Accessoires**  
 Composants pour le PRESTIGE du système  
**Durée de vie utile**  
 50,000 heures/L80  
**Température ambiante**  
 De -20 °C à +35 °C  
 (de 0°C avec l'unité de secours)

**SK**  
**Montáž**  
 Závesné alebo prísadené  
 - predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
 LED  
**Optický systém**  
 Hlboké šošovky (LDE)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
 Varianta s núdzovou jednotkou (3H)  
**Material**  
 Teleso: oceľový plech  
 Šošovky: PMMA  
**Povrchová úprava**  
 Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
 Komponenty pre systém PRESTIGE  
**Servisná životnosť**  
 50,000 hodín/L80  
**Teplota okolia**  
 Od -20 °C do +35 °C  
 (od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
 Suspendido o sobrepuesto  
 - específico para instalaciones continuas (MDS)  
**Fuente luminica**  
 LED  
**Sistema óptico**  
 Lentes profunda (LDE)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
 Variante unidad de emergencia (3H)  
**Material**  
 Cuerpo: lámina de acero  
 Lentes: PMMA  
**Tratamiento de la superficie**  
 Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
 Componentes para PRESTIGE sistema  
**Vida útil**  
 50,000 horas/L80  
**Temperatura ambiente**  
 Desde -20 °C a +35 °C  
 (desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
 Apparecchi illuminanti a sospensione o a plafone  
 - per installazioni in linea (MDS)  
**Sorgente luminosa**  
 LED  
**Sistema ottico**  
 Lenti profonda (LDE)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
 Variante unità di emergenza (3H)  
**Materiali**  
 Corpo: lamina d'acciaio  
 Lenti: PMMA  
**Finitura**  
 Corpo: bianco RAL 9003 (W03)  
**Accessori**  
 Componenti per il prestigio del sistema  
**Durata di vita**  
 50,000 ore/L80  
**Temperatura d'ambiente**  
 Da -20 °C a +35 °C  
 (da 0°C con unità di emergenza)

**RU**  
**Установка**  
 Подвесная или потолочная накладная  
 - рассчитанная на долговременную установку (MDS)  
**Источник света**  
 LED  
**Оптическая система**  
 Глубокие Линзы (LDE)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
 Блок аварийного освещения (3H)  
**Материал**  
 Корпус: листовая сталь  
 Линзы: PMMA  
**Отделка поверхности**  
 Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
 Компоненты для системы PRESTIGE  
**Срок службы**  
 50,000 часов/L80  
**Температура окружающей среды**  
 От -20 °C до +35 °C  
 (от 0°C с аварийного освещения)

SPECIFICATION MATRIX

PRESTIGE LED LSK system efficacy up to 138 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
80+Ra	3000 K	ECG FIX	3H	MEDIUM WIDE up to 7350 lm
90+Ra	4000 K	ECG DALI		DUO MEDIUM WIDE up to 9050 lm
	2700 K			TRIO MEDIUM WIDE up to 18,100 lm
	5000 K			DEEP up to 18,100 lm
	6500 K			DUO DEEP up to 27,150 lm
				TRIO DEEP up to 7550 lm
				ASYM up to 5600 lm
				DOUBLE ASYM up to 14,650 lm





NEW

# PRESTIGE LED LSK DUO

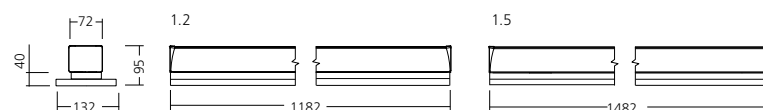
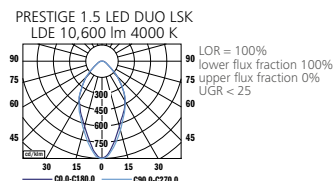
DEEP LED

FASTRUNNER

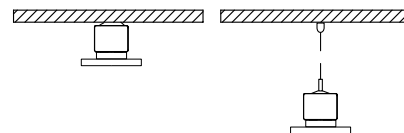


# Prestige LED LSK Duo Deep

### PHOTOMETRY



### MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE (CCT) (K)	BEAM ANGLE (C90-180, C90-270)	EMERGENCY UNIT 3H (lm)	EMERGENCY WEIGHT (kg)
PRESTIGE 1.2 LED LSK DUO LDE	8000	64	125	80+	3000	59°	-	3.5
PRESTIGE 1.2 LED LSK DUO LDE	8400	64	131	80+	4000	59°	-	3.5
PRESTIGE 1.2 LED LSK DUO LDE	11,900	104	114	80+	3000	59°	-	3.5
PRESTIGE 1.2 LED LSK DUO LDE	12,500	104	120	80+	4000	59°	-	3.5
PRESTIGE 1.5 LED LSK DUO LDE	10,000	80	125	80+	3000	59°	320	4.5
PRESTIGE 1.5 LED LSK DUO LDE	10,600	80	133	80+	4000	59°	340	4.5
PRESTIGE 1.5 LED LSK DUO LDE	14,850	130	114	80+	3000	59°	320	4.5
PRESTIGE 1.5 LED LSK DUO LDE	15,650	130	120	80+	4000	59°	340	4.5

Luminous flux tolerance +/- 10 %.



**EN**

**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)

**Light source**  
LED

**Optical system**  
Deep lenses (LDE)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Lenses: PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Components for system PRESTIGE

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
from -20°C to +35 °C  
(from 0°C with EM unit)

**DE**

**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)

**Lichtquelle**  
LED

**Optisches System**  
Tiefe Linsen (LDE)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Linsen: PMMA

**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)

**Zubehör**  
Komponenten für System PRESTIGE

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)

**Source lumineuse**  
LED

**Système optique**  
Profonde Lentilles (LDE)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Lentilles: PMMA

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Composants pour le PRESTIGE du système

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Závěsné alebo prisadené  
- predurčené na montáž do línií (MDS)

**Svetelný zdroj**  
LED

**Optický systém**  
Hlboké šošovky (LDE)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Teleso: oceľový plech  
Šošovky: PMMA

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Komponenty pre systém PRESTIGE

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)

**Fuente luminica**  
LED

**Sistema óptico**  
Lentes profunda (LDE)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Lentes: PMMA

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Componentes para PRESTIGE sistema

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Lenti profondo (LDE)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Lenti: PMMA

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Componenti per il prestigio del sistema

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**

**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)

**Источник света**  
LED

**Оптическая система**  
Глубокие Линзы (LDE)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Линзы: PMMA

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Компоненты для системы PRESTIGE

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

### SPECIFICATION MATRIX

PRESTIGE LED LSK system efficacy up to 138 lm/W

CRI	CCT	ECG	EMERGENCY UNIT
80+Ra	3000 K	ECG FIX	3H
90+Ra	4000 K	ECG DALI	
	2700 K		
	5000 K		
	6500 K		

OPTICAL SYSTEM	UP TO
MEDIUM WIDE	up to 7350 lm
DUO MEDIUM WIDE	up to 9050 lm
TRIO MEDIUM WIDE	up to 18,100 lm
DEEP	up to 18,100 lm
DUO DEEP	up to 27,150 lm
TRIO DEEP	up to 7550 lm
ASYM	up to 5600 lm
DOUBLE ASYM	up to 14,650 lm



NEW

PRESTIGE LED LSK TRIO

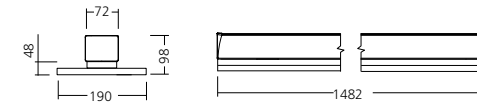
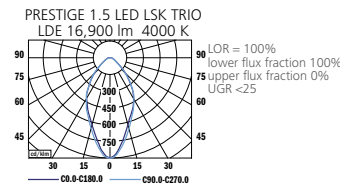
DEEP LED

FASTRUNNER

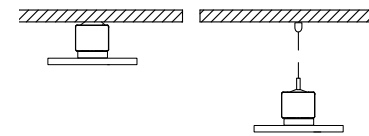


# Prestige LED LSK Trio Deep

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
PRESTIGE 1.5 LED LSK TRIO LDE	16,100	135	119	80+	3000	59°	7.8
PRESTIGE 1.5 LED LSK TRIO LDE	16,900	135	125	80+	4000	59°	7.8
PRESTIGE 1.5 LED LSK TRIO LDE	24,400	212	115	80+	3000	59°	7.8
PRESTIGE 1.5 LED LSK TRIO LDE	25,600	212	121	80+	4000	59°	7.8

Luminous flux tolerance +/- 10 %.

220-240V 50-60Hz  
LED  
CRI 80+ Ra  
CCT 3000 K  
CCT 4000 K  
ECG  
IP 20

**EN**  
**Mounting**  
 Suspended or ceiling surfaced  
 - determined for continuous installation (MDS)  
**Light source**  
 LED  
**Optical system**  
 Deep lenses (LDE)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
 Housing: sheet steel  
 Lenses: PMMA  
**Surface finish**  
 Housing: white RAL 9003 (W03)  
**Accessories**  
 Components for system PRESTIGE  
**Service lifetime**  
 50,000 hours/L80  
**Ambient temperature**  
 from -20°C to +35 °C

**DE**  
**Montage**  
 Hänge- oder Deckenleuchte  
 - mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
 LED  
**Optisches System**  
 Tiefe Linsen (LDE)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
 Körper: Stahlblech  
 Linsen: PMMA  
**Oberflächenveredelung**  
 Körper: weiss RAL 9003 (W03)  
**Zubehör**  
 Komponenten für System PRESTIGE  
**Lebensdauer**  
 50,000 Stunden/L80  
**Umgebungstemperatur**  
 Von -20 °C bis +35 °C

**FR**  
**Montage**  
 Plafonnier suspendu ou apparent  
 - conçu pour une installation continue (MDS)  
**Source lumineuse**  
 LED  
**Système optique**  
 Profonde Lentilles (LDE)  
**Équipement électrique**  
 Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
 Corps: tôle d'acier  
 Lentilles: PMMA  
**Finition de surface**  
 Corps: blanc RAL 9003 (W03)  
**Accessoires**  
 Composants pour le PRESTIGE du système  
**Durée de vie utile**  
 50,000 heures/L80  
**Température ambiante**  
 De -20 °C à +35 °C

**SK**  
**Montáž**  
 Závěsné alebo prisadené  
 - predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
 LED  
**Optický systém**  
 Hlboké šošovky (LDE)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
 Teleso: oceľový plech  
 Šošovky: PMMA  
**Povrchová úprava**  
 Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
 Komponenty pre systém PRESTIGE  
**Servisná životnosť**  
 50,000 hodín/L80  
**Teplota okolia**  
 Od -20 °C do +35 °C

**ES**  
**Montaje**  
 Suspendido o sobrepuesto  
 - específico para instalaciones continuas (MDS)  
**Fuente luminosa**  
 LED  
**Sistema óptico**  
 Lentes profunda (LDE)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
 Cuerpo: lámina de acero  
 Lentes: PMMA  
**Tratamiento de la superficie**  
 Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
 Componentes para PRESTIGE sistema  
**Vida útil**  
 50,000 horas/L80  
**Temperatura ambiente**  
 Desde -20 °C a +35 °C

**IT**  
**Installazione**  
 Apparecchi illuminanti a sospensione o a plafone  
 - per installazioni in linea (MDS)  
**Sorgente luminosa**  
 LED  
**Sistema ottico**  
 Lenti profonda (LDE)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
 Corpo: lamina d'acciaio  
 Lenti: PMMA  
**Finitura**  
 Corpo: bianco RAL 9003 (W03)  
**Accessori**  
 Componenti per il prestigio del sistema  
**Durata di vita**  
 50,000 ore/L80  
**Temperatura d'ambiente**  
 Da -20 °C a +35 °C

**RU**  
**Установка**  
 Подвесная или потолочная накладная  
 - рассчитанная на долговременную установку (MDS)  
**Источник света**  
 LED  
**Оптическая система**  
 Глубокие Линзы (LDE)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
 Корпус: листовая сталь  
 Линзы: PMMA  
**Отделка поверхности**  
 Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
 Компоненты для системы PRESTIGE  
**Срок службы**  
 50,000 часов/L80  
**Температура окружающей среды**  
 От -20 °C до +35 °C

Specification Matrix	CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
PRESTIGE LED LSK system efficacy up to 138 lm/W	80+Ra	3000 K	ECG FIX	3H	MEDIUM WIDE up to 7350 lm
	90+Ra	4000 K	ECG DALI		DUO MEDIUM WIDE up to 9050 lm
		2700 K			TRIO MEDIUM WIDE up to 18,100 lm
		5000 K			DEEP up to 18,100 lm
		6500 K			DUO DEEP up to 27,150 lm
				TRIO DEEP up to 7550 lm	
				ASYM up to 5600 lm	
				DOUBLE ASYM up to 14,650 lm	





NEW

PRESTIGE LED LSK

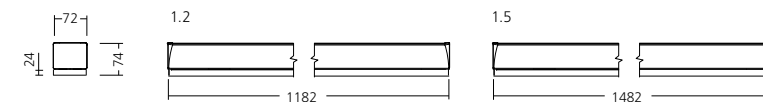
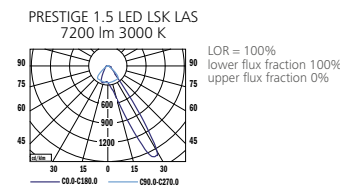
ASYMMETRIC LED

FASTRUNNER

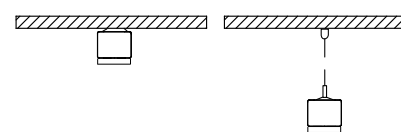


# Prestige LED LSK Asymmetric

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H	WEIGHT (kg)
PRESTIGE 1.2 LED LSK LAS	3750	35	107	80+	3000	asym	340	2.1
PRESTIGE 1.2 LED LSK LAS	3900	35	111	80+	4000	asym	350	2.1
PRESTIGE 1.2 LED LSK LAS	5700	54	106	80+	3000	asym	340	2.1
PRESTIGE 1.2 LED LSK LAS	6000	54	111	80+	4000	asym	350	2.1
PRESTIGE 1.5 LED LSK LAS	4700	44	107	80+	3000	asym	340	2.5
PRESTIGE 1.5 LED LSK LAS	4900	44	111	80+	4000	asym	350	2.5
PRESTIGE 1.5 LED LSK LAS	7200	68	106	80+	3000	asym	340	2.5
PRESTIGE 1.5 LED LSK LAS	7550	68	111	80+	4000	asym	350	2.5

Luminous flux tolerance +/- 10 %.



**EN**  
**Mounting**  
 Suspended or ceiling surfaced  
 - determined for continuous installation (MDS)  
**Light source**  
 LED  
**Optical system**  
 Asymmetric lenses (LAS) - Right (R)/Left (L)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
 Emergency unit variant (3H)  
**Materials**  
 Housing: sheet steel  
 Lenses: PMMA  
**Surface finish**  
 Housing: white RAL 9003 (W03)  
**Accessories**  
 Components for system PRESTIGE  
**Service lifetime**  
 50,000 hours/L80  
**Ambient temperature**  
 from -20°C to +35 °C  
 (from 0°C with EM unit)

**DE**  
**Montage**  
 Hänge- oder Deckenleuchte  
 - mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
 LED  
**Optisches System**  
 Asymmetrischen Linsen (LAS) - Rechts (R)/Links (L)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
 Notbeleuchtung Variante (3H)  
**Material**  
 Körper: Stahlblech  
 Linsen: PMMA  
**Oberflächenveredelung**  
 Körper: weiss RAL 9003 (W03)  
**Zubehör**  
 Komponenten für System PRESTIGE  
**Lebensdauer**  
 50,000 Stunden/L80  
**Umgebungstemperatur**  
 Von -20 °C bis +35 °C  
 (von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
 Plafonnier suspendu ou apparent  
 - conçu pour une installation continue (MDS)  
**Source lumineuse**  
 LED  
**Système optique**  
 Lentilles asymétrique (LAS) - Droite (R)/Gauche (L)  
**Équipement électrique**  
 Ballast électronique FIX/DALI (ECG/EDA)  
 Variante de l'unité de secours (3H)  
**Matériels**  
 Corps: tôle d'acier  
 Lentilles: PMMA  
**Finition de surface**  
 Corps: blanc RAL 9003 (W03)  
**Accessoires**  
 Composants pour le PRESTIGE du système  
**Durée de vie utile**  
 50,000 heures/L80  
**Température ambiante**  
 De -20 °C à +35 °C  
 (de 0°C avec l'unité de secours)

**SK**  
**Montáž**  
 Závesné alebo prísadené  
 - predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
 LED  
**Optický systém**  
 Asymetrické šošovky (LAS) - Pravé (R)/Ľavé (L)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
 Varianta s núdzovou jednotkou (3H)  
**Material**  
 Těleso: ocelový plech  
 Šošovky: PMMA  
**Povrchová úprava**  
 Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
 Komponenty pre systém PRESTIGE  
**Service životnosť**  
 50,000 hodin/L80  
**Teplota okolia**  
 Od -20 °C do +35 °C  
 (od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
 Suspendido o sobrepuesto  
 - específico para instalaciones continuas (MDS)  
**Fuente luminica**  
 LED  
**Sistema óptico**  
 Lentes asimétrico mate (LAS) - Derecha (R)/Izquierda (L)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
 Variante unidad de emergencia (3H)  
**Material**  
 Cuerpo: lámina de acero  
 Lentes: PMMA  
**Tratamiento de la superficie**  
 Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
 Componentes para PRESTIGE sistema  
**Vida útil**  
 50,000 horas/L80  
**Temperatura ambiente**  
 Desde -20 °C a +35 °C  
 (desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
 Apparecchi illuminanti a sospensione o a plafone  
 - per installazioni in linea (MDS)  
**Sorgente luminosa**  
 LED  
**Sistema ottico**  
 Lenti asimmetriche (LAS) - Destra (R)/Sinistra (L)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
 Variante unità di emergenza (3H)  
**Materiali**  
 Corpo: lamina d'acciaio  
 Lenti: PMMA  
**Finitura**  
 Corpo: bianco RAL 9003 (W03)  
**Accessori**  
 Componenti per il prestigio del sistema  
**Durata di vita**  
 50,000 ore/L80  
**Temperatura d'ambiente**  
 Da -20 °C a +35 °C  
 (da 0°C con unità di emergenza)

**RU**  
**Установка**  
 Подвесная или потолочная накладная  
 - рассчитанная на долговременную установку (MDS)  
**Источник света**  
 LED  
**Оптическая система**  
 Асимметричные линзы (LAS) - Вправо (R)/Влево (L)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
 Блок аварийного освещения (3H)  
**Материал**  
 Корпус: листовая сталь  
 Линзы: PMMA  
**Отделка поверхности**  
 Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
 Компоненты для системы PRESTIGE  
**Срок службы**  
 50,000 часов/L80  
**Температура окружающей среды**  
 От -20 °C до +35 °C  
 (от 0°C с аварийного освещения)

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	3H	MEDIUM WIDE up to 7350 lm DUO MEDIUM WIDE up to 9050 lm TRIO MEDIUM WIDE up to 18,100 lm DEEP up to 18,100 lm DUO DEEP up to 27,150 lm TRIO DEEP up to 27,150 lm ASYM up to 5600 lm DOUBLE ASYM up to 14,650 lm



NEW

PRESTIGE LED LSK

DOUBLE ASYMMETRIC LED

LED

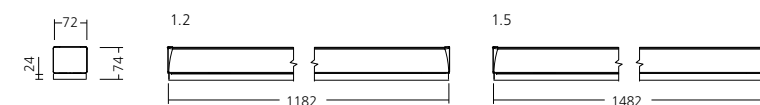
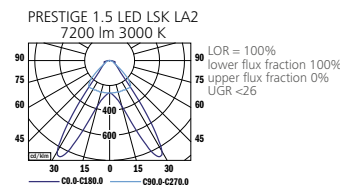
FASTRUNNER



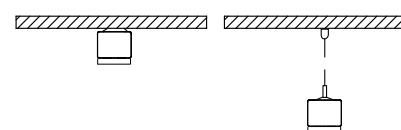
# Prestige LED LSK Double Asymmetric



PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED LSK LA2	3750	35	107	80+	3000	99°, 71°	340	2.1
PRESTIGE 1.2 LED LSK LA2	3900	35	111	80+	4000	99°, 71°	350	2.1
PRESTIGE 1.2 LED LSK LA2	5700	54	106	80+	3000	99°, 71°	340	2.1
PRESTIGE 1.2 LED LSK LA2	6000	54	111	80+	4000	99°, 71°	350	2.1
PRESTIGE 1.5 LED LSK LA2	4700	44	107	80+	3000	99°, 71°	340	2.5
PRESTIGE 1.5 LED LSK LA2	4900	44	111	80+	4000	99°, 71°	350	2.5
PRESTIGE 1.5 LED LSK LA2	7200	68	106	80+	3000	99°, 71°	340	2.5
PRESTIGE 1.5 LED LSK LA2	7550	68	111	80+	4000	99°, 71°	350	2.5

Luminous flux tolerance +/- 10 %.



**EN**  
**Mounting**  
 Suspended or ceiling surfaced  
 - determined for continuous installation (MDS)  
**Light source**  
 LED  
**Optical system**  
 Double asymmetric lenses (LA2)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
 Emergency unit variant (3H)  
**Materials**  
 Housing: sheet steel  
 Lenses: PMMA  
**Surface finish**  
 Housing: white RAL 9003 (W03)  
**Accessories**  
 Components for system PRESTIGE  
**Service lifetime**  
 50,000 hours/L80  
**Ambient temperature**  
 from -20°C to +35 °C  
 (from 0°C with EM unit)

**DE**  
**Montage**  
 Hänge- oder Deckenleuchte  
 - mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
 LED  
**Optisches System**  
 Doppel-asymmetrische Linsen (LA2)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
 Notbeleuchtung Variante (3H)  
**Material**  
 Körper: Stahlblech  
 Linsen: PMMA  
**Oberflächenveredelung**  
 Körper: weiss RAL 9003 (W03)  
**Zubehör**  
 Komponenten für System PRESTIGE  
**Lebensdauer**  
 50,000 Stunden/L80  
**Umgebungstemperatur**  
 Von -20 °C bis +35 °C  
 (von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
 Plafonnier suspendu ou apparent  
 - conçu pour une installation continue (MDS)  
**Source lumineuse**  
 LED  
**Système optique**  
 Lentilles double asymétrique (LA2)  
**Équipement électrique**  
 Ballast électronique FIX/DALI (ECG/EDA)  
 Variante de l'unité de secours (3H)  
**Matériels**  
 Corps: tôle d'acier  
 Lentilles: PMMA  
**Finition de surface**  
 Corps: blanc RAL 9003 (W03)  
**Accessoires**  
 Composants pour le PRESTIGE du système  
**Durée de vie utile**  
 50,000 heures/L80  
**Température ambiante**  
 De -20 °C à +35 °C  
 (de 0°C avec l'unité de secours)

**SK**  
**Montáž**  
 Závesné alebo prísadené  
 - predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
 LED  
**Optický systém**  
 Dvojité asymetrické šošovky (LA2)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
 Varianta s núdzovou jednotkou (3H)  
**Material**  
 Teleso: oceľový plech  
 Šošovky: PMMA  
**Povrchová úprava**  
 Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
 Komponenty pre systém PRESTIGE  
**Servisná životnosť**  
 50,000 hodín/L80  
**Teplota okolia**  
 Od -20 °C do +35 °C  
 (od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
 Suspendido o sobrepuesto  
 - específico para instalaciones continuas (MDS)  
**Fuente luminica**  
 LED  
**Sistema óptico**  
 Lentes asimétrico doble (LA2)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
 Variante unidad de emergencia (3H)  
**Material**  
 Cuerpo: lámina de acero  
 Lentes: PMMA  
**Tratamiento de la superficie**  
 Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
 Componentes para PRESTIGE sistema  
**Vida útil**  
 50,000 horas/L80  
**Temperatura ambiente**  
 Desde -20 °C a +35 °C  
 (desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
 Apparecchi illuminanti a sospensione o a plafone  
 - per installazioni in linea (MDS)  
**Sorgente luminosa**  
 LED  
**Sistema ottico**  
 Lenti doppio asimmetriche (LA2)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
 Variante unità di emergenza (3H)  
**Materiali**  
 Corpo: lamina d'acciaio  
 Lenti: PMMA  
**Finitura**  
 Corpo: bianco RAL 9003 (W03)  
**Accessori**  
 Componenti per il prestigio del sistema  
**Durata di vita**  
 50,000 ore/L80  
**Temperatura d'ambiente**  
 Da -20 °C a +35 °C  
 (da 0°C con unità di emergenza)

**RU**  
**Установка**  
 Подвесная или потолочная накладная  
 - рассчитанная на долговременную установку (MDS)  
**Источник света**  
 LED  
**Оптическая система**  
 Двухместный асимметричный (LA2)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
 Блок аварийного освещения (3H)  
**Материал**  
 Корпус: листовая сталь  
 Линзы: PMMA  
**Отделка поверхности**  
 Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
 Компоненты для системы PRESTIGE  
**Срок службы**  
 50,000 часов/L80  
**Температура окружающей среды**  
 От -20 °C до +35 °C  
 (от 0°C с аварийного освещения)

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	3H	MEDIUM WIDE up to 7350 lm DUO MEDIUM WIDE up to 9050 lm TRIO MEDIUM WIDE up to 18,100 lm DEEP up to 18,100 lm DUO DEEP up to 27,150 lm TRIO DEEP up to 27,150 lm ASYM up to 5600 lm DOUBLE ASYM up to 14,650 lm







Prestige LED II



**PRESTIGE LED II**

MEDIUM WIDE  
LED

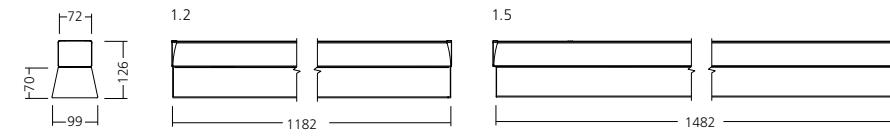
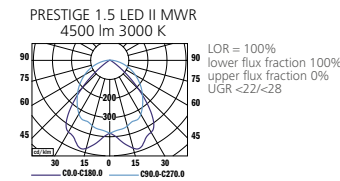
LED

FASTRUNNER

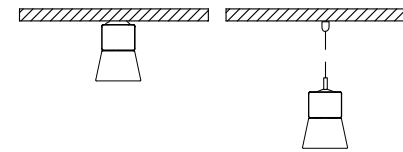


# Prestige LED II Medium Wide

**PHOTOMETRY**



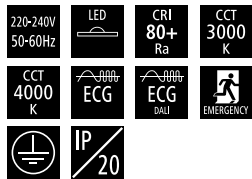
**MOUNTING**



WITH COVER

TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX (CRI (Ra))	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED II MWR	3150	29	109	80+	3000	87°, 111°	250	3.2
PRESTIGE 1.2 LED II MWR	3350	29	116	80+	4000	87°, 111°	260	3.2
PRESTIGE 1.2 LED II MWR	5050	46	110	80+	3000	87°, 111°	250	3.2
PRESTIGE 1.2 LED II MWR	5300	46	115	80+	4000	87°, 111°	260	3.2
PRESTIGE 1.2 LED II MWR TRD	3000	29	103	80+	3000	87°, 111°	230	3.2
PRESTIGE 1.2 LED II MWR TRD	3150	29	109	80+	4000	87°, 111°	240	3.2
PRESTIGE 1.2 LED II MWR TRD	4750	46	103	80+	3000	87°, 111°	230	3.2
PRESTIGE 1.2 LED II MWR TRD	5050	46	110	80+	4000	87°, 111°	240	3.2
PRESTIGE 1.5 LED II MWR	4500	40	113	80+	3000	87°, 111°	230	3.9
PRESTIGE 1.5 LED II MWR	4750	40	119	80+	4000	87°, 111°	240	3.9
PRESTIGE 1.5 LED II MWR	6450	59	109	80+	3000	87°, 111°	230	3.9
PRESTIGE 1.5 LED II MWR	6800	59	115	80+	4000	87°, 111°	240	3.9
PRESTIGE 1.5 LED II MWR TRD	4250	40	106	80+	3000	87°, 111°	210	3.9
PRESTIGE 1.5 LED II MWR TRD	4500	40	113	80+	4000	87°, 111°	220	3.9
PRESTIGE 1.5 LED II MWR TRD	6100	59	103	80+	3000	87°, 111°	210	3.9
PRESTIGE 1.5 LED II MWR TRD	6450	59	109	80+	4000	87°, 111°	220	3.9

Luminous flux tolerance +/- 10%.



**EN**  
**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)  
**Light source**  
LED  
**Optical system**  
Medium wide reflector (MWR)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Reflector: polished anodised aluminium  
Cover: transparent PMMA  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Components for system PRESTIGE  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -25 °C to +35 °C  
from 0°C with EM unit)

**DE**  
**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
LED  
**Optisches System**  
Medium weiten Reflektor (MWR)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Reflektor: poliertes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Komponenten für System PRESTIGE  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -25 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)  
**Source lumineuse**  
LED  
**Système optique**  
Medium-large réflecteur (MWR)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium poli anodisé  
Couvercle: PMMA transparente  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Composants pour le PRESTIGE du système  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -25 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**  
**Montáž**  
Závesné alebo prisadené  
- predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Stredne široký reflektor (MWR)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Telo: oceľový plech  
Reflektor: lesklý anodizovaný hliník  
Kryt: transparentný PMMA  
**Povrchová úprava**  
Telo: biela RAL 9003 (W03)  
**Príslušenstvo**  
Komponenty pre systém PRESTIGE  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -25 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector de anchura media (MWR)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio pulido anodizado  
Cubierta: PMMA transparente  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Componentes para PRESTIGE sistema  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -25 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore a livello medio (MWR)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio lucido anodizzato  
Copertura: PMMA trasparente  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Componenti per il prestigio del sistema  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -25 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**  
**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)  
**Источник света**  
LED  
**Оптическая система**  
Средней ширины отражатель (MWR)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Отражатель: анодированный шлифованный алюминий  
Крышка: чистая полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Компоненты для системы PRESTIGE  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -25 °C до +35 °C  
(от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRESTIGE LED II  
system efficacy  
up to 130 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
80+Ra	3000 K	ECG FIX	3H	MEDIUM WIDE up to 6800 lm
90+Ra	4000 K	ECG DALI		DEEP up to 6500 lm
	2700 K			ULTRA DEEP up to 7800 lm
	5000 K			ASYMMETRIC up to 5600 lm
	6500 K			DOUBLE ASYM up to 5900 lm
				PAR-L up to 5500 lm





PRESTIGE LED II

DEEP LED

LED

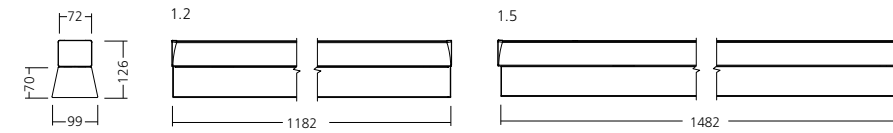
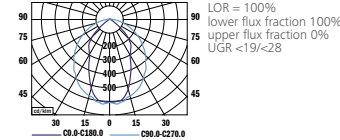
FASTRUNNER

# Prestige LED II Deep

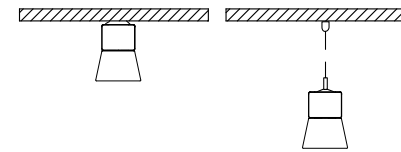


PHOTOMETRY

PRESTIGE 1.5 LED II DER TRD  
4300 lm 4000 K



MOUNTING



WITH COVER

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED II DER	3050	29	105	80+	3000	62°, 100°	240	3.2
PRESTIGE 1.2 LED II DER	3200	29	110	80+	4000	62°, 100°	250	3.2
PRESTIGE 1.2 LED II DER	4800	46	104	80+	3000	62°, 100°	240	3.2
PRESTIGE 1.2 LED II DER	5050	46	110	80+	4000	62°, 100°	250	3.2
PRESTIGE 1.2 LED II DER TRD	2850	29	98	80+	3000	62°, 100°	220	3.2
PRESTIGE 1.2 LED II DER TRD	3050	29	105	80+	4000	62°, 100°	230	3.2
PRESTIGE 1.2 LED II DER TRD	4550	46	99	80+	3000	62°, 100°	220	3.2
PRESTIGE 1.2 LED II DER TRD	4800	46	104	80+	4000	62°, 100°	230	3.2
PRESTIGE 1.5 LED II DER	4300	40	108	80+	3000	62°, 100°	220	3.9
PRESTIGE 1.5 LED II DER	4550	40	114	80+	4000	62°, 100°	230	3.9
PRESTIGE 1.5 LED II DER	6200	59	105	80+	3000	62°, 100°	220	3.9
PRESTIGE 1.5 LED II DER	6500	59	110	80+	4000	62°, 100°	230	3.9
PRESTIGE 1.5 LED II DER TRD	4100	40	103	80+	3000	62°, 100°	200	3.9
PRESTIGE 1.5 LED II DER TRD	4300	40	108	80+	4000	62°, 100°	210	3.9
PRESTIGE 1.5 LED II DER TRD	5900	59	100	80+	3000	62°, 100°	200	3.9
PRESTIGE 1.5 LED II DER TRD	6150	59	104	80+	4000	62°, 100°	210	3.9

Luminous flux tolerance +/- 10%.



220-240V 50-60Hz  
LED  
CRI 80+ Ra  
CCT 3000 K  
CCT 4000 K  
ECG  
ECG DALI  
EMERGENCY  
IP 20

**EN**  
**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)  
**Light source**  
LED  
**Optical system**  
Deep reflector (DER)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Reflector: polished anodised aluminium  
Cover: transparent PMMA  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Components for system PRESTIGE  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -25 °C to +35 °C  
from 0°C with EM unit)

**DE**  
**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
LED  
**Optisches System**  
Tiefe Reflektor (DER)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Reflektor: poliertes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Komponenten für System PRESTIGE  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -25 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur profonde (DER)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériaux**  
Corps: tôle d'acier  
Réflecteur: aluminium poli anodisé  
Couvercle: PMMA transparente  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Composants pour le PRESTIGE du système  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -25 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**  
**Montáž**  
Závesné alebo prisadené  
- predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
LED  
**Optický systém**  
hĺboký reflektor (DER)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: oceľový plech  
Reflektor: lesklý anodizovaný hliník  
Kryt: transparentný PMMA  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Komponenty pre systém PRESTIGE  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -25 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector profunda (DER)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio pulido anodizado  
Cubierta: PMMA transparente  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Componentes para PRESTIGE sistema  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -25 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore profondo (DER)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Reflettore: alluminio lucido anodizzato  
Copertura: PMMA trasparente  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Componenti per il prestigio del sistema  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -25 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**  
**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)  
**Источник света**  
LED  
**Оптическая система**  
Глубокий отражатель (DER)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Отражатель: анодированный шлифованный алюминий  
Крышка: чистая полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Компоненты для системы PRESTIGE  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -25 °C до +35 °C  
(от 0°C с аварийного освещения)

SPECIFICATION MATRIX

PRESTIGE LED II system efficacy up to 130 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
80+Ra	3000 K	ECG FIX	3H	MEDIUM WIDE up to 6800 lm
90+Ra	4000 K	ECG DALI		DEEP up to 6500 lm
	2700 K			ULTRA DEEP up to 7800 lm
	5000 K			ASYMMETRIC up to 5600 lm
	6500 K			DOUBLE ASYM up to 5900 lm
				PAR-L up to 5500 lm



**PRESTIGE LED II**

ULTRA DEEP  
LED

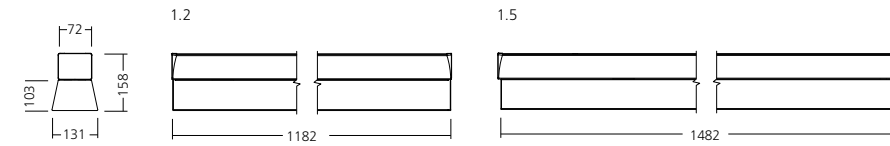
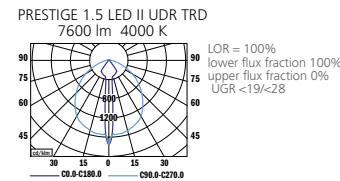


FASTRUNNER

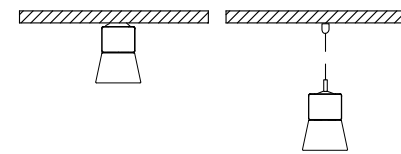


# Prestige LED II Ultra Deep

**PHOTOMETRY**



**MOUNTING**



WITH COVER

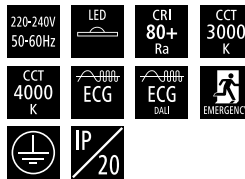


EMERGENCY



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED II UDR	3700	30	123	80+	3000	10°, 96°	460	3.4
PRESTIGE 1.2 LED II UDR	3900	30	130	80+	4000	10°, 96°	480	3.4
PRESTIGE 1.2 LED II UDR	5950	48	124	80+	3000	10°, 96°	460	3.4
PRESTIGE 1.2 LED II UDR	6250	48	130	80+	4000	10°, 96°	480	3.4
PRESTIGE 1.2 LED II UDR TRD	3600	30	120	80+	3000	10°, 96°	440	3.7
PRESTIGE 1.2 LED II UDR TRD	5750	30	127	80+	4000	10°, 96°	460	3.7
PRESTIGE 1.2 LED II UDR TRD	6050	48	120	80+	3000	10°, 96°	440	3.7
PRESTIGE 1.2 LED II UDR TRD	6100	48	126	80+	4000	10°, 96°	460	3.7
PRESTIGE 1.5 LED II UDR	4450	36	124	80+	3000	10°, 96°	460	4.2
PRESTIGE 1.5 LED II UDR	4700	36	131	80+	4000	10°, 96°	480	4.2
PRESTIGE 1.5 LED II UDR	7400	60	123	80+	3000	10°, 96°	460	4.2
PRESTIGE 1.5 LED II UDR	7800	60	130	80+	4000	10°, 96°	480	4.2
PRESTIGE 1.5 LED II UDR TRD	4300	36	119	80+	3000	10°, 96°	440	4.5
PRESTIGE 1.5 LED II UDR TRD	4550	36	126	80+	4000	10°, 96°	460	4.5
PRESTIGE 1.5 LED II UDR TRD	7250	60	121	80+	3000	10°, 96°	440	4.5
PRESTIGE 1.5 LED II UDR TRD	7600	60	127	80+	4000	10°, 96°	460	4.5

Luminous flux tolerance +/- 10%.



**EN**  
**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)  
**Light source**  
LED  
**Optical system**  
Ultra deep reflector (UDR)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Reflector: polished anodised aluminium  
Cover: transparent PMMA  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Components for system PRESTIGE  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -25 °C to +35 °C  
from 0°C with EM unit)

**DE**  
**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
LED  
**Optisches System**  
Ultra Tiefe Reflektor (UDR)  
**Vorschaltgerät**  
Elektronisches vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung variante (3H)  
**Material**  
Körper: Stahlblech  
Reflektor: poliertes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Komponenten für System PRESTIGE  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -25 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)  
**Source lumineuse**  
LED  
**Système optique**  
Ultra réflecteur profonde (UDR)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériaux**  
Corps: tôle d'acier  
Réflecteur: aluminium poli anodisé  
Couvercle: PMMA transparente  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Composants pour le PRESTIGE du système  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -25 °C à +35 °C  
(de 0°C avec l'unité de secours)

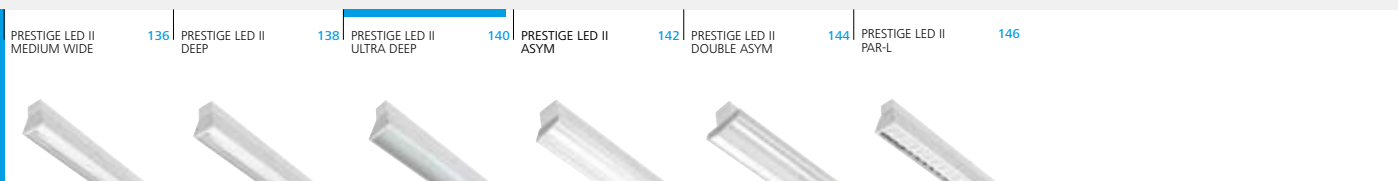
**SK**  
**Montáž**  
Závesné alebo prisadené  
- predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Ultra hlboký reflektor (UDR)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: oceľový plech  
Reflektor: lesklý anodizovaný hliník  
Kryt: transparentný PMMA  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Komponenty pre systém PRESTIGE  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -25 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Ultra reflector profunda (UDR)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio pulido anodizado  
Cubierta: PMMA transparente  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Componentes para PRESTIGE sistema  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -25 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Ultra riflettore profondo (UDR)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio lucido anodizzato  
Copertura: PMMA trasparente  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Componenti per il prestigio del sistema  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -25 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**  
**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)  
**Источник света**  
LED  
**Оптическая система**  
Глубокий отражатель (UDR)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Отражатель: анодированный шлифованный алюминий  
Крышка: чистая полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Компоненты для системы PRESTIGE  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -25 °C до +35 °C  
(от 0°C с аварийного освещения)

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	3H	MEDIUM WIDE up to 6800 lm DEEP up to 6500 lm ULTRA DEEP up to 7800 lm ASYMMETRIC up to 5600 lm DOUBLE ASYM up to 5900 lm PAR-L up to 5500 lm





**PRESTIGE LED II**

ASYMMETRIC  
LED

LED

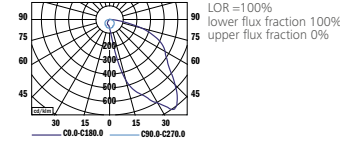
FASTRUNNER



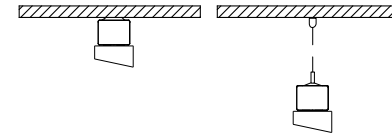
# Prestige LED II Asymmetric

**PHOTOMETRY**

PRESTIGE 1.5 LED II ASM TRD  
2650 lm 4000 K

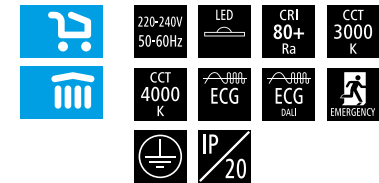


**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED II ASM	2000	22	91	80+	3000	300	3.5
PRESTIGE 1.2 LED II ASM	2100	22	95	80+	4000	320	3.5
PRESTIGE 1.2 LED II ASM	2350	26	90	80+	3000	300	3.5
PRESTIGE 1.2 LED II ASM	2450	26	94	80+	4000	320	3.5
PRESTIGE 1.2 LED II ASM	4050	45	90	80+	3000	300	3.5
PRESTIGE 1.2 LED II ASM	4250	45	94	80+	4000	320	3.5
PRESTIGE 1.2 LED II ASM TRD	1950	22	89	80+	3000	290	3.5
PRESTIGE 1.2 LED II ASM TRD	2050	22	93	80+	4000	310	3.5
PRESTIGE 1.2 LED II ASM TRD	2300	26	88	80+	3000	290	3.5
PRESTIGE 1.2 LED II ASM TRD	2400	26	92	80+	4000	310	3.5
PRESTIGE 1.2 LED II ASM TRD	3950	45	88	80+	3000	290	3.5
PRESTIGE 1.2 LED II ASM TRD	4150	45	92	80+	4000	310	3.5
PRESTIGE 1.5 LED II ASM	2250	25	90	80+	3000	280	4.1
PRESTIGE 1.5 LED II ASM	2350	25	94	80+	4000	300	4.1
PRESTIGE 1.5 LED II ASM	2550	29	88	80+	3000	280	4.1
PRESTIGE 1.5 LED II ASM	2700	29	93	80+	4000	300	4.1
PRESTIGE 1.5 LED II ASM	4900	55	89	80+	3000	280	4.1
PRESTIGE 1.5 LED II ASM	5150	55	94	80+	4000	300	4.1
PRESTIGE 1.5 LED II ASM TRD	2200	25	88	80+	3000	270	4.1
PRESTIGE 1.5 LED II ASM TRD	2300	25	92	80+	4000	290	4.1
PRESTIGE 1.5 LED II ASM TRD	2500	29	86	80+	3000	270	4.1
PRESTIGE 1.5 LED II ASM TRD	2650	29	91	80+	4000	290	4.1
PRESTIGE 1.5 LED II ASM TRD	4800	55	87	80+	3000	270	4.1
PRESTIGE 1.5 LED II ASM TRD	5050	55	92	80+	4000	290	4.1

Luminous flux tolerance +/- 10%.



**EN**

**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)

**Light source**  
LED

**Optical system**  
Asymmetric reflector (ASM)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Reflector: matt anodised aluminium  
Cover: transparent PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Components for system PRESTIGE

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -25 °C to +35 °C  
from 0°C with EM unit)

**DE**

**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)

**Lichtquelle**  
LED

**Optisches System**  
Asymmetrisch Reflektor (ASM)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Reflektor: mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA

**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)

**Zubehör**  
Komponenten für System PRESTIGE

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -25 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)

**Source lumineuse**  
LED

**Système optique**  
Réflecteur asymétrique (ASM)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium mat anodisé  
Couvercle: PMMA transparente

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Composants pour le PRESTIGE du système

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -25 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Závěsné alebo prisadené  
- predurčené na montáž do línií (MDS)

**Svetelný zdroj**  
LED

**Optický systém**  
Asymetrický reflektor (ASM)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Teleso: ocelový plech  
Reflektor: matný anodizovaný hliník  
Kryt: transparentný PMMA

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Komponenty pre systém PRESTIGE

**Serisná životnosť**  
50,000 hodin/L80

**Teplota okolia**  
Od -25 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector asimétrico (ASM)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio mate anodizado  
Cubierta: PMMA transparente

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Componentes para PRESTIGE sistema

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -25 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore asimmetrico (ASM)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio opaco anodizzato  
Copertura: PMMA trasparente

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Componenti per il prestigio del sistema

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -25 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**

**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)

**Источник света**  
LED

**Оптическая система**  
Асимметричный отражатель (ASM)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Отражатель: анодированный матовый алюминий  
Крышка: чистая полиметилметакрилат

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Компоненты для системы PRESTIGE

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -25 °C до +35 °C  
(от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRESTIGE LED II  
system efficacy  
up to 130 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
80+Ra	3000 K	ECG FIX	3H	MEDIUM WIDE up to 6800 lm
90+Ra	4000 K	ECG DALI		DEEP up to 6500 lm
	2700 K			ULTRA DEEP up to 7800 lm
	5000 K			ASYMMETRIC up to 5600 lm
	6500 K			DOUBLE ASYM up to 5900 lm
				PAR-L up to 5500 lm



NEW

**PRESTIGE LED II**  
DOUBLE ASYMMETRIC  
LED

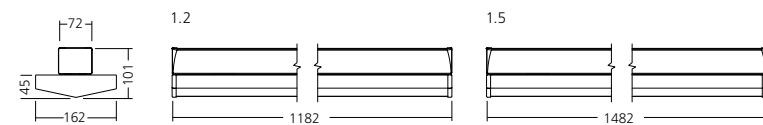
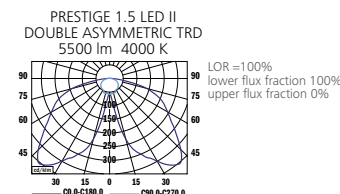
LED

FASTRUNNER

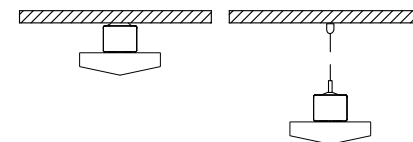


# Prestige LED II Double Asymmetric

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED II A2D	2750	28	98	80+	3000	300	5.0
PRESTIGE 1.2 LED II A2D	2900	28	104	80+	4000	320	5.0
PRESTIGE 1.2 LED II A2D	4450	45	99	80+	3000	300	5.0
PRESTIGE 1.2 LED II A2D	4700	45	104	80+	4000	320	5.0
PRESTIGE 1.2 LED II A2D TRD	2650	28	95	80+	3000	290	5.4
PRESTIGE 1.2 LED II A2D TRD	2800	28	100	80+	4000	310	5.4
PRESTIGE 1.2 LED II A2D TRD	4300	45	96	80+	3000	290	5.4
PRESTIGE 1.2 LED II A2D TRD	4500	45	100	80+	4000	310	5.4
PRESTIGE 1.5 LED II A2D	3550	35	101	80+	3000	280	6.0
PRESTIGE 1.5 LED II A2D	3750	35	107	80+	4000	300	6.0
PRESTIGE 1.5 LED II A2D	5600	55	102	80+	3000	280	6.0
PRESTIGE 1.5 LED II A2D	5900	55	107	80+	4000	300	6.0
PRESTIGE 1.5 LED II A2D TRD	3350	35	96	80+	3000	270	6.4
PRESTIGE 1.5 LED II A2D TRD	3500	35	100	80+	4000	290	6.4
PRESTIGE 1.5 LED II A2D TRD	5250	55	95	80+	3000	270	6.4
PRESTIGE 1.5 LED II A2D TRD	5500	55	100	80+	4000	290	6.4

Luminous flux tolerance +/- 10%.



**EN**  
**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)  
**Light source**  
LED  
**Optical system**  
Double asymmetric reflector (A2D)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Reflector: matt anodised aluminium  
Cover: transparent PMMA  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Components for system PRESTIGE  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -25 °C to +35 °C  
from 0°C with EM unit)

**DE**  
**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)  
**Lichtquelle**  
LED  
**Optisches System**  
Doppel- asymmetrischer Reflektor (A2D)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Reflektor: mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Zubehör**  
Komponenten für System PRESTIGE  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -25 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)  
**Source lumineuse**  
LED  
**Système optique**  
Double réflecteur asymétrique (A2D)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium mat anodisé  
Couvercle: PMMA transparente  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Composants pour le PRESTIGE du système  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -25 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**  
**Montáž**  
Závesné alebo prisadené  
- predurčené na montáž do línií (MDS)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Dvojité asymetrický reflektor (A2D)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: ocelový plech  
Reflektor: matný anodizovaný hliník  
Kryt: transparentný PMMA  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Komponenty pre systém PRESTIGE  
**Servisná životnosť**  
50,000 hodin/L80  
**Teplota okolia**  
Od -25 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector asimétrico doble (A2D)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio mate anodizado  
Cubierta: PMMA transparente  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Componentes para PRESTIGE sistema  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -25 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Doppio riflettore asimmetrico (A2D)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio opaco anodizzato  
Copertura: PMMA trasparente  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Componenti per il prestigio del sistema  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -25 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**  
**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)  
**Источник света**  
LED  
**Оптическая система**  
Двухместный асимметричный отражатель (A2D)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Отражатель: анодированный матовый алюминий  
Крышка: чистая полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Компоненты для системы PRESTIGE  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -25 °C до +35 °C  
(от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRESTIGE LED II  
system efficacy  
up to 130 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
80+Ra	3000 K	ECG FIX	3H	MEDIUM WIDE up to 6800 lm
90+Ra	4000 K	ECG DALI		DEEP up to 6500 lm
	2700 K			ULTRA DEEP up to 7800 lm
	5000 K			ASYMMETRIC up to 5600 lm
	6500 K			DOUBLE ASYM up to 5900 lm
				PAR-L up to 5500 lm





**PRESTIGE LED II**

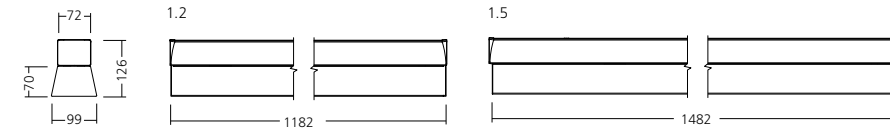
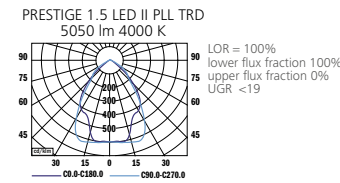
PAR-L  
LED

FASTRUNNER

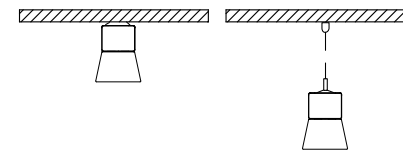


# Prestige LED II Par-L

**PHOTOMETRY**



**MOUNTING**



WIHT COVER

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRESTIGE 1.2 LED II PLL	2500	29	86	80+	3000	77°, 84°	200	3.3
PRESTIGE 1.2 LED II PLL	2600	29	90	80+	4000	77°, 84°	210	3.3
PRESTIGE 1.2 LED II PLL	3900	46	85	80+	3000	77°, 84°	200	3.3
PRESTIGE 1.2 LED II PLL	4150	46	90	80+	4000	77°, 84°	210	3.3
PRESTIGE 1.2 LED II PLL TRD	2350	29	81	80+	3000	77°, 84°	190	3.3
PRESTIGE 1.2 LED II PLL TRD	2450	29	84	80+	4000	77°, 84°	200	3.3
PRESTIGE 1.2 LED II PLL TRD	3650	46	79	80+	3000	77°, 84°	190	3.3
PRESTIGE 1.2 LED II PLL TRD	3900	46	85	80+	4000	77°, 84°	200	3.3
PRESTIGE 1.5 LED II PLL	3550	40	89	80+	3000	77°, 84°	180	3.9
PRESTIGE 1.5 LED II PLL	3700	40	93	80+	4000	77°, 84°	190	3.9
PRESTIGE 1.5 LED II PLL	5050	59	86	80+	3000	77°, 84°	180	3.9
PRESTIGE 1.5 LED II PLL	5300	59	90	80+	4000	77°, 84°	190	3.9
PRESTIGE 1.5 LED II PLL TRD	3350	40	84	80+	3000	77°, 84°	170	3.9
PRESTIGE 1.5 LED II PLL TRD	3500	40	88	80+	4000	77°, 84°	180	3.9
PRESTIGE 1.5 LED II PLL TRD	4750	59	81	80+	3000	77°, 84°	170	3.9
PRESTIGE 1.5 LED II PLL TRD	5050	59	86	80+	4000	77°, 84°	180	3.9

Luminous flux tolerance +/- 10%.



**EN**

**Mounting**  
Suspended or ceiling surfaced  
- determined for continuous installation (MDS)

**Light source**  
LED

**Optical system**  
Parabolic louvre PAR-L (PLL)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Parabolic louvre: anodised polished aluminium  
Cover: transparent PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Components for system PRESTIGE

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -25 °C to +35 °C  
from 0°C with EM unit)

**DE**

**Montage**  
Hänge- oder Deckenleuchte  
- mit Erweiterungsmöglichkeit (MDS)

**Lichtquelle**  
LED

**Optisches System**  
Parabolisches Raster PAR-L (PLL)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Parabolraster: Eloxiertes poliertes Aluminium  
Abdeckung: durchsichtiger PMMA

**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)

**Zubehör**  
Komponenten für System PRESTIGE

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -25 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier suspendu ou apparent  
- conçu pour une installation continue (MDS)

**Source lumineuse**  
LED

**Système optique**  
Grille parabolique PAR-L (PLL)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium anodisé poli  
Couvercle: PMMA transparente

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Composants pour le PRESTIGE du système

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -25 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Závesné alebo prisadené  
- predurčené na montáž do línií (MDS)

**Svetelný zdroj**  
LED

**Optický systém**  
Parabolická mriežka PAR-L (PLL)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Téleso: oceľový plech  
Parabolická mriežka: anodizovaný leštený hliník  
Kryt: transparentný PMMA

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Komponenty pre systém PRESTIGE

**Servisná životnosť**  
50,000 hodin/L80

**Teplota okolia**  
Od -25 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Suspendido o sobrepuesto  
- específico para instalaciones continuas (MDS)

**Fuente luminosa**  
LED

**Sistema óptico**  
Rejilla parabólica PAR-L (PLL)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio anodizado pulido  
Cubierta: PMMA transparente

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Componentes para PRESTIGE sistema

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -25 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Apparecchi illuminanti a sospensione o a plafone  
- per installazioni in linea (MDS)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Griglia parabolica PAR-L (PLL)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio anodizzato lucido  
Copertura: PMMA trasparente

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Componenti per il prestigio del sistema

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -25 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**

**Установка**  
Подвесная или потолочная накладная  
- рассчитанная на долговременную установку (MDS)

**Источник света**  
LED

**Оптическая система**  
Параболическая решетка PAR-L (PLL)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный анодированный алюминий  
Крышка: чистая полиметилметакрилат

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Компоненты для системы PRESTIGE

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -25 °C до +35 °C  
(от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRESTIGE LED II system efficacy up to 130 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	OPTICAL SYSTEM
80+Ra	3000 K	ECG FIX	3H	MEDIUM WIDE up to 6800 lm
90+Ra	4000 K	ECG DALI		DEEP up to 6500 lm
	2700 K			ULTRA DEEP up to 7800 lm
	5000 K			ASYMMETRIC up to 5600 lm
	6500 K			DOUBLE ASYM up to 5900 lm
				PAR-L up to 5500 lm





































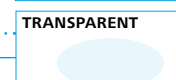
























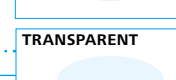
















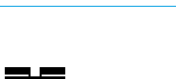

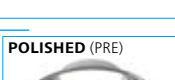


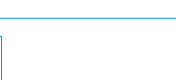

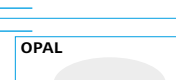
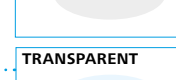
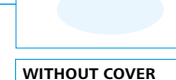














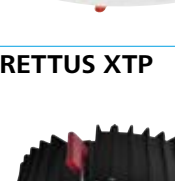


















Prettus





























































# PRETTUS XS

## SPECIFICATION MATRIX

PRETTUS SYSTEM EFFICACY UP TO 114 lm/W

	Mounting	Light distribution	Reflector	Cover	IP	STANDARD				ON REQUEST	
						CRI	CCT	ECG	Emergency unit	CRI	CCT
<b>PRETTUS XS</b> 	 2016		POLISHED (PRE)  MATT (MRE)  WHITE ANODISED (WRE) 	OPAL  TRANSPARENT  WITHOUT COVER 	IP 54  IP 54  IP 40 	CRI 80+ Ra 	CCT 3000 K  CCT 4000 K 	ECG  ECG DALI 		CRI 90+ Ra 	CCT 5000 K  CCT 6500 K  CCT 2700 K 
<b>PRETTUS S</b> 	 2016		POLISHED (PRE)  MATT (MRE)  POLISHED ASYM  WHITE ANODISED (WRE)  MATT ASYM 	OPAL  TRANSPARENT  WITHOUT COVER 	IP 54  IP 54  IP 40 	CRI 80+ Ra 	CCT 3000 K  CCT 4000 K 	ECG  ECG DALI 	EMERGENCY  	CRI 90+ Ra 	CCT 5000 K  CCT 6500 K  CCT 2700 K 
<b>PRETTUS M</b> 	 2016 IN PROGRES		POLISHED (PRE)  MATT (MRE)  POLISHED ASYM  WHITE ANODISED (WRE)  MATT ASYM 	OPAL  TRANSPARENT  WITHOUT COVER 	IP 54  IP 54  IP 40 	CRI 80+ Ra 	CCT 3000 K  CCT 4000 K 	ECG  ECG DALI 	EMERGENCY  	CRI 90+ Ra 	CCT 5000 K  CCT 6500 K  CCT 2700 K 
<b>PRETTUS L</b> 			POLISHED (PRE)  MATT (MRE)  POLISHED ASYM  WHITE ANODISED (WRE)  MATT ASYM 	OPAL  TRANSPARENT  WITHOUT COVER 	IP 54  IP 54  IP 40 	CRI 80+ Ra 	CCT 3000 K  CCT 4000 K 	ECG  ECG DALI 	EMERGENCY  	CRI 90+ Ra 	CCT 5000 K  CCT 6500 K  CCT 2700 K 
<b>PRETTUS XTP</b> 			POLISHED (PRE)  MATT (MRE)  WHITE ANODISED (WRE) 	OPAL  TRANSPARENT 	IP 65  IP 65 	CRI 80+ Ra 	CCT 3000 K  CCT 4000 K 	ECG  ECG DALI 		CRI 90+ Ra 	CCT 5000 K  CCT 6500 K  CCT 2700 K 

**PRETTUS XS**  
 VARIANT  
 PRETTUS SYSTEM EFFICACY UP TO 114 lm/W

		IP 40	IP 54	IP 54		IP 40	IP 54	IP 40	IP 54
 <b>PRETTUS XS</b>	POLISHED REFLECTOR (PRE) 	POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) 	POLISHED REFLECTOR AND OPAL COVER (PRO) 		MATT REFLECTOR (MRE) 	MATT REFLECTOR AND TRANSPARENT COVER (MRT) 	WHITE ANODISED REFLECTOR (WRE) 	WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) 	
<b>PRETTUS S</b>	POLISHED REFLECTOR (PRE) 	POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) 	POLISHED REFLECTOR AND OPAL COVER (PRO) 		MATT REFLECTOR (MRE) 	MATT REFLECTOR AND TRANSPARENT COVER (MRT) 	WHITE ANODISED REFLECTOR (WRE) 	WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) 	
	POLISHED REFLECTOR (PRE) 	POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) 	POLISHED REFLECTOR AND OPAL COVER (PRO) 		MATT REFLECTOR (MRE) 	MATT REFLECTOR AND TRANSPARENT COVER (MRT) 	WHITE ANODISED REFLECTOR (WRE) 	WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) 	
<b>PRETTUS M</b>	POLISHED REFLECTOR (PRE) 	POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) 	POLISHED REFLECTOR AND OPAL COVER (PRO) 		MATT REFLECTOR (MRE) 	MATT REFLECTOR AND TRANSPARENT COVER (MRT) 	WHITE ANODISED REFLECTOR (WRE) 	WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) 	
	POLISHED REFLECTOR (PRE) 	POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) 	POLISHED REFLECTOR AND OPAL COVER (PRO) 		MATT REFLECTOR (MRE) 	MATT REFLECTOR AND TRANSPARENT COVER (MRT) 	WHITE ANODISED REFLECTOR (WRE) 	WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) 	
<b>PRETTUS L</b>	POLISHED REFLECTOR (PRE) 	POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) 	POLISHED REFLECTOR AND OPAL COVER (PRO) 		MATT REFLECTOR (MRE) 	MATT REFLECTOR AND TRANSPARENT COVER (MRT) 	WHITE ANODISED REFLECTOR (WRE) 	WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) 	
<b>PRETTUS XTP</b>		POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) IP 65 	POLISHED REFLECTOR AND OPAL COVER (PRO) IP 65 			MATT REFLECTOR AND TRANSPARENT COVER (MRT) IP 65 		WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) IP 65 	
 <b>PRETTUS S / M / L TRIMLESS</b>	POLISHED REFLECTOR (PRE) 	POLISHED REFLECTOR AND TRANSPARENT COVER (PRT) 	POLISHED REFLECTOR AND OPAL COVER (PRO) 		MATT REFLECTOR (MRE) 	MATT REFLECTOR AND TRANSPARENT COVER (MRT) 	WHITE ANODISED REFLECTOR (WRE) 	WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT) 	
 <b>PRETTUS S / M / L ASYM</b>		POLISHED REFLECTOR AND TRANSPARENT COVER (APT) 				MATT REFLECTOR AND TRANSPARENT COVER (AMT) 			



NEW

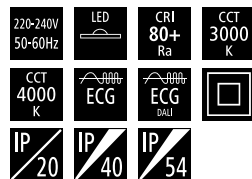
PRETTUS XS

POLISHED / MATT / WHITE  
LED

FASTRUNNER



# Prettus XS



EN

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opale PMMA

**Oberflächenveredelung**  
Mouluure: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale

**Finition de surface**  
Mouluure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Vsaďené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený/matný/biely reflektor (PRE/MRE/WRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Biely reflektor + transparentný kryt (WRT)  
Leštený reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Téleso: oceľový plech  
Difúzor: mikroprizmatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštený/matný/biely anodizovaný hliník  
Kryt: transparentný/opalový PMMA

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta ópala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Telero: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/ópala

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная встроенная

**Источник света**  
LED

**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

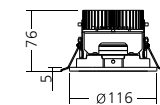
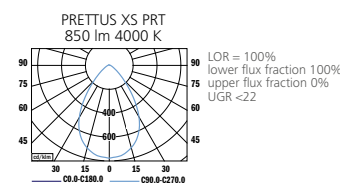
**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

PRETTUS XS  
system efficacy  
up to 114 lm/WCRI  
80+Ra  
90+RaCCT  
3000 K  
4000 K  
2700 K  
5000 K  
6500 KECG  
ECG FIX  
ECG DALIEMERGENCY  
UNIT  
3HPROTECTION  
DEGREE  
IP 20  
IP 40  
IP 54transp.  
cover  
opalDIMENSIONS  
XS ø104 up to 1200 lm  
XS TM ø132 up to 1850 lmREFLECTOR  
POLISHED  
MATT  
WHITEPRETTUS XS  
POLISHED REFLECTOR (PRE) 154PRETTUS XS TRIMLESS  
POLISHED REFLECTOR (PRE) 156PRETTUS XS  
MATT REFLECTOR (MRE) 154PRETTUS XS TRIMLESS  
MATT REFLECTOR (MRE) 156PRETTUS XS WHITE  
ANODISED REFLECTOR (WRE) 154PRETTUS XS TRIMLESS  
WHITE ANODISED  
REFLECTOR (WRE) 156

## PHOTOMETRY



## MOUNTING



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS XS PRE	800	9	89	80+	3000	60°	0.6
PRETTUS XS PRE	850	9	94	80+	4000	60°	0.6
PRETTUS XS PRE	1000	11	100	80+	3000	60°	0.6
PRETTUS XS PRE	1150	11	105	80+	4000	60°	0.6
PRETTUS XS MRE	700	9	78	80+	3000	60°	0.6
PRETTUS XS MRE	750	9	83	80+	4000	60°	0.6
PRETTUS XS MRE	1000	11	91	80+	3000	60°	0.6
PRETTUS XS MRE	1050	11	95	80+	4000	60°	0.6
PRETTUS XS WRE	850	9	94	80+	3000	65°	0.6
PRETTUS XS WRE	900	9	100	80+	4000	65°	0.6
PRETTUS XS WRE	1200	11	109	80+	3000	65°	0.6
PRETTUS XS WRE	1250	11	114	80+	4000	65°	0.6
PRETTUS XS PRT	750	9	83	80+	3000	60°	0.6
PRETTUS XS PRT	800	9	89	80+	4000	60°	0.6
PRETTUS XS PRT	1050	11	95	80+	3000	60°	0.6
PRETTUS XS PRT	1100	11	100	80+	4000	60°	0.6
PRETTUS XS MRT	650	9	72	80+	3000	60°	0.6
PRETTUS XS MRT	700	9	78	80+	4000	60°	0.6
PRETTUS XS MRT	950	11	86	80+	3000	60°	0.6
PRETTUS XS MRT	1000	11	91	80+	4000	60°	0.6
PRETTUS XS WRT	800	9	89	80+	3000	65°	0.6
PRETTUS XS WRT	850	9	94	80+	4000	65°	0.6
PRETTUS XS WRT	1150	11	105	80+	3000	65°	0.6
PRETTUS XS WRT	1200	11	109	80+	4000	65°	0.6
PRETTUS XS PRO	450	9	50	80+	3000	84°	0.6
PRETTUS XS PRO	500	9	56	80+	4000	84°	0.6
PRETTUS XS PRO	650	11	59	80+	3000	84°	0.6
PRETTUS XS PRO	700	11	64	80+	4000	84°	0.6

Luminous flux tolerance +/- 10%

DOWNLIGHTS



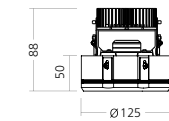
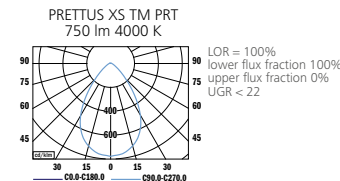
NEW

**PRETTUS XS TRIMLESS**

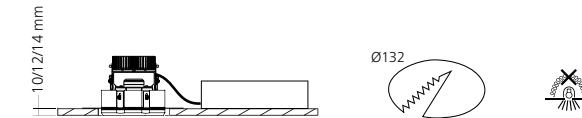
POLISHED / MATT / WHITE  
LED



**PHOTOMETRY**

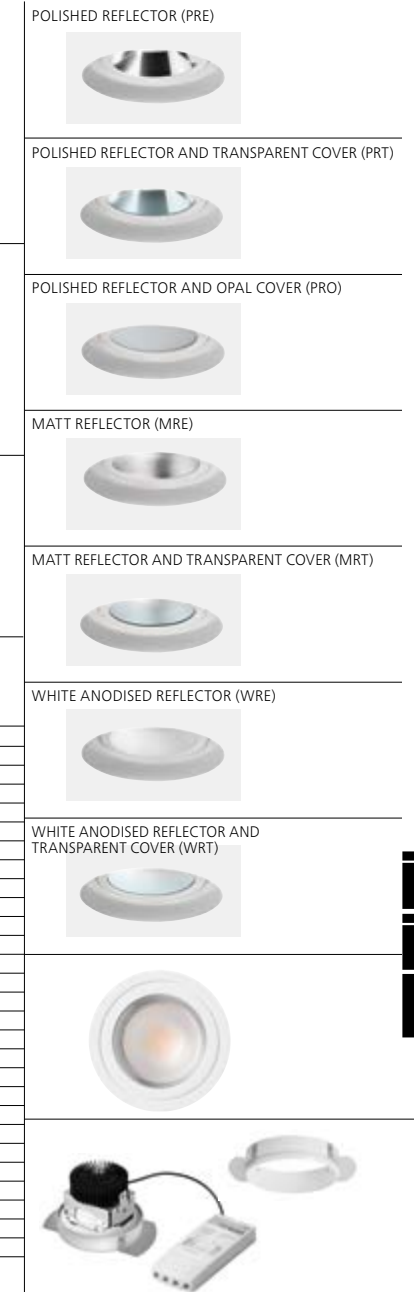


**MOUNTING**



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS XS TM PRE	700	9	64	80+	3000	60°	0.8
PRETTUS XS TM PRE	750	9	83	80+	4000	60°	0.8
PRETTUS XS TM PRE	900	11	82	80+	3000	60°	0.8
PRETTUS XS TM PRE	1050	11	95	80+	4000	60°	0.8
PRETTUS XS TM MRE	650	9	72	80+	3000	60°	0.8
PRETTUS XS TM MRE	675	9	75	80+	4000	60°	0.8
PRETTUS XS TM MRE	900	11	82	80+	3000	60°	0.8
PRETTUS XS TM MRE	950	11	86	80+	4000	60°	0.8
PRETTUS XS TM WRE	750	9	83	80+	3000	65°	0.8
PRETTUS XS TM WRE	800	9	90	80+	4000	65°	0.8
PRETTUS XS TM WRE	1100	11	100	80+	3000	65°	0.8
PRETTUS XS TM WRE	1150	11	104	80+	4000	65°	0.8
PRETTUS XS TM PRT	675	9	75	80+	3000	69°	0.8
PRETTUS XS TM PRT	700	9	64	80+	4000	69°	0.8
PRETTUS XS TM PRT	950	11	86	80+	3000	60°	0.8
PRETTUS XS TM PRT	900	11	82	80+	4000	60°	0.8
PRETTUS XS TM MRT	600	9	67	80+	3000	60°	0.8
PRETTUS XS TM MRT	650	9	72	80+	4000	60°	0.8
PRETTUS XS TM MRT	850	11	77	80+	3000	60°	0.8
PRETTUS XS TM MRT	900	11	82	80+	4000	60°	0.8
PRETTUS XS TM WRT	700	9	64	80+	3000	65°	0.8
PRETTUS XS TM WRT	750	9	83	80+	4000	65°	0.8
PRETTUS XS TM WRT	1050	11	95	80+	3000	65°	0.8
PRETTUS XS TM WRT	1100	11	100	80+	4000	65°	0.8
PRETTUS XS TM PRO	400	9	44	80+	3000	00°	0.8
PRETTUS XS TM PRO	450	9	55	80+	4000	00°	0.8
PRETTUS XS TM PRO	600	11	55	80+	3000	00°	0.8
PRETTUS XS TM PRO	650	11	59	80+	4000	00°	0.8

Luminous flux tolerance +/- 10%



DOWNLIGHTS

# Prettus XS Trimless



220-240V  
50-60Hz

LED

CRI 80+ Ra

CCT 3000 K

CCT 4000 K

ECG

ECG DALI

IP 20

IP 40

IP 54

**EN**

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA  
Plasterboard trim: aluminium profile

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

**DE**

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opale PMMA  
Einputzeinfassung: Aluminiumprofil

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Leštény/matný/bielý reflektor (PRE/MRE/WRE)  
Leštény reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Bielý reflektor + transparentný kryt (WRT)  
Leštény reflektor + opalový kryt (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale  
Collerette à plâtrer: aluminium profilé

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

**SK**

**Montáž**  
Vsaďené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštény/matný/bielý reflektor (PRE/MRE/WRE)  
Leštény reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Bielý reflektor + transparentný kryt (WRT)  
Leštény reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Téleso: oceľový plech  
Difúzor: mikroprismatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštény/matný/bielý anodizovaný hliník  
Kryt: transparentný/opalový PMMA  
Obruč do sadrokartónu: hliníkový profil

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Service životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

**ES**

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta ópala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Borborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/ópala  
Aro para empotrar en yeso: perfil de aluminio

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale  
Profilo in cartongesso: profilo in alluminio

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**

**Установка**  
Потолочная встраиваемая

**Источник света**  
LED

**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризма полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат  
Гипсокартонная накладка: алюминиевый профиль

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	3H	IP 20 IP 40 IP 54	XS ø104 up to 1200 lm XS TM ø132 up to 1850 lm	POLISHED MATT WHITE







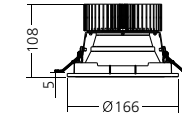
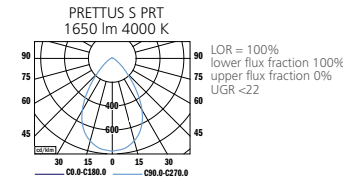
**PRETTUS S**  
POLISHED / MATT / WHITE  
LED

LED  
FASTRUNNER

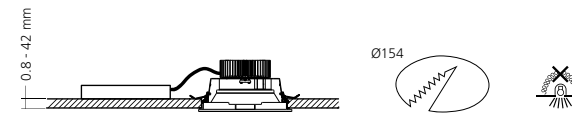


# Prettus S

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRETTUS S PRE	1250	15	83	80+	3000	69°	350	0.8
PRETTUS S PRE	1350	15	90	80+	4000	69°	360	0.8
PRETTUS S PRE	1650	20	83	80+	3000	69°	350	0.8
PRETTUS S PRE	1750	20	88	80+	4000	69°	360	0.8
PRETTUS S MRE	1300	15	87	80+	3000	69°	350	0.8
PRETTUS S MRE	1400	15	93	80+	4000	69°	360	0.8
PRETTUS S MRE	1750	20	88	80+	3000	69°	350	0.8
PRETTUS S MRE	1850	20	93	80+	4000	69°	360	0.8
PRETTUS S WRE	1300	15	87	80+	3000	69°	350	0.8
PRETTUS S WRE	1400	15	93	80+	4000	69°	360	0.8
PRETTUS S WRE	1750	20	88	80+	3000	69°	350	0.8
PRETTUS S WRE	1850	20	93	80+	4000	69°	360	0.8
PRETTUS S PRT	1150	15	77	80+	3000	69°	340	0.8
PRETTUS S PRT	1250	15	83	80+	4000	69°	350	0.8
PRETTUS S PRT	1550	20	78	80+	3000	69°	340	0.8
PRETTUS S PRT	1650	20	83	80+	4000	69°	350	0.8
PRETTUS S MRT	1200	15	80	80+	3000	69°	340	0.8
PRETTUS S MRT	1300	15	87	80+	4000	69°	350	0.8
PRETTUS S MRT	1600	20	80	80+	3000	69°	340	0.8
PRETTUS S MRT	1700	20	85	80+	4000	69°	350	0.8
PRETTUS S WRT	1200	15	80	80+	3000	69°	340	0.8
PRETTUS S WRT	1300	15	87	80+	4000	69°	350	0.8
PRETTUS S WRT	1600	20	80	80+	3000	69°	340	0.8
PRETTUS S WRT	1700	20	85	80+	4000	69°	350	0.8
PRETTUS S PRO	1100	15	73	80+	3000	73°	-	0.8
PRETTUS S PRO	1200	15	80	80+	4000	73°	-	0.8
PRETTUS S PRO	1500	20	75	80+	3000	73°	-	0.8
PRETTUS S PRO	1600	20	80	80+	4000	73°	-	0.8

Luminous flux tolerance +/- 10%



POLISHED REFLECTOR (PRE)



MATT REFLECTOR (MRE)



WHITE ANODISED REFLECTOR (WRE)



POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



MATT REFLECTOR AND TRANSPARENT COVER (MRT)



WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)



POLISHED REFLECTOR AND OPAL COVER (PRO)



DOWNLIGHTS



220-240V  
50-60Hz

LED

CRI 80+ Ra

CCT 3000 K

CCT 4000 K

ECG

ECG DALI

EMERGENCY

IP 20

IP 40

IP 54

**EN**

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

**DE**

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Vsaďené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený/matný/bielý reflektor (PRE/MRE/WRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Bielý reflektor + transparentný kryt (WRT)  
Leštený reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Těleso: oceľový plech  
Diffuzor: mikroprismatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštený/matný/bielý anodizovaný hliník  
Kryt: transparentný/opalový PMMA

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta ópala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/ópala

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
De -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**

**Установка**  
Потолочная встраиваемая

**Источники света**  
LED

**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризма полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C (от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRETTUS S  
system efficacy  
up to 93 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP 20	5 ø166 up to 1850 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP 40		MATT
	2700 K			IP 54		WHITE
	5000 K					ASYMMETRIC
	6500 K					





NEW

**PRETTUS S ASYM**

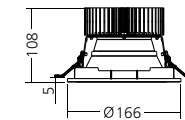
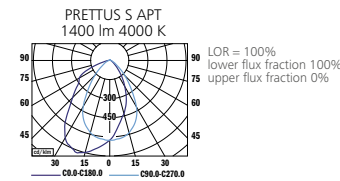
POLISHED / MATT

LED

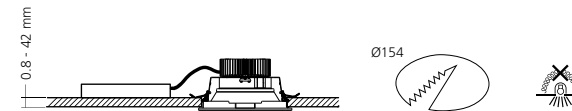
LED



PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
PRETTUS S APT	1000	15	67	80+	3000	0.8
PRETTUS S APT	1050	15	70	80+	4000	0.8
PRETTUS S APT	1350	20	68	80+	3000	0.8
PRETTUS S APT	1400	20	70	80+	4000	0.8
PRETTUS S AMT	950	15	63	80+	3000	0.8
PRETTUS S AMT	1000	15	67	80+	4000	0.8
PRETTUS S AMT	1300	20	65	80+	3000	0.8
PRETTUS S AMT	1350	20	68	80+	4000	0.8

Luminous flux tolerance +/- 10%

POLISHED ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (APT)



MATT ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (AMT)



# Prettus S Asym

EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Asym. polished reflector + transp. cover (APT)  
Asym. matt reflector + transp. cover (AMT)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt anodised aluminium  
Cover: transparent/opal PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Asym. polierter Ref. + durchsichtige Abdeckung (APT)  
Asym. matter Ref. + durchsichtige Abdeckung (AMT)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Materialien**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réf. asym. poli + couverture transparente (APT)  
Réf. asym. mat + couverture transparente (AMT)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat  
Couverture: PMMA transparente/opale  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Vsađenje  
**Svetelný zdroj**  
LED  
**Optický systém**  
Asym. leštený ref. + transparentný kryt (APT)  
Asym. matný ref. + transparentný kryt (AMT)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Těleso: ocelový plech  
Diffuzor: mikroprismatický PMMA  
Obruč: hliníkový odlitek  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný/opalový PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Ref. asim. pulido + cubierta transparente (APT)  
Ref. asim. mate + cubierta transparente (AMT)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente/opalo  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

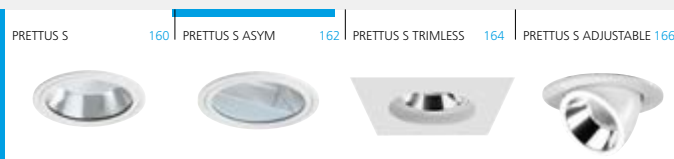
IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Rif. asim. lucido + copertura trasparente (APT)  
Rif. asim. opaco + copertura trasparente (AMT)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente/opale  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Асим. шлифованный отражатель + чистая крышка (APT)  
Асим. матовый отражатель + чистая крышка (AMT)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
PRETTUS S system efficacy up to 93 lm/W	80+Ra	3000 K	ECG FIX	3H	IP 20	5 ø166 up to 1850 lm	POLISHED
	90+Ra	4000 K	ECG DALI				MATT
		2700 K					WHITE
		5000 K					ASYMMETRIC
		6500 K					



DOWNLIGHTS

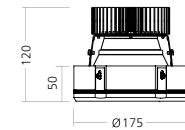
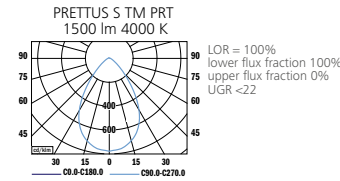
NEW

**PRETTUS S TRIMLESS**

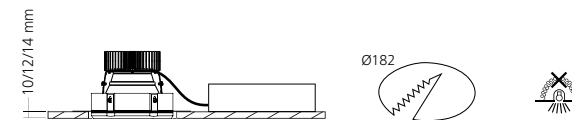
POLISHED / MATT / WHITE  
LED



**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT (kg)
PRETTUS S TM PRE	1150	15	77	80+	3000	69°	350	0.9
PRETTUS S TM PRE	1200	15	80	80+	4000	69°	360	0.9
PRETTUS S TM PRE	1500	20	75	80+	3000	69°	350	0.9
PRETTUS S TM PRE	1600	20	80	80+	4000	69°	360	0.9
PRETTUS S TM MRE	1150	15	77	80+	3000	69°	350	0.9
PRETTUS S TM MRE	1250	15	83	80+	4000	69°	360	0.9
PRETTUS S TM MRE	1600	20	80	80+	3000	69°	350	0.9
PRETTUS S TM MRE	1650	20	83	80+	4000	69°	360	0.9
PRETTUS S TM WRE	1150	15	77	80+	3000	69°	350	0.9
PRETTUS S TM WRE	1250	15	83	80+	4000	69°	360	0.9
PRETTUS S TM WRE	1600	20	80	80+	3000	69°	350	0.9
PRETTUS S TM WRE	1650	20	83	80+	4000	69°	360	0.9
PRETTUS S TM PRT	1050	15	70	80+	3000	69°	350	0.9
PRETTUS S TM PRT	1100	15	73	80+	4000	69°	360	0.9
PRETTUS S TM PRT	1400	20	70	80+	3000	69°	350	0.9
PRETTUS S TM PRT	1500	20	75	80+	4000	69°	360	0.9
PRETTUS S TM MRT	1100	15	73	80+	3000	69°	350	0.9
PRETTUS S TM MRT	1150	15	77	80+	4000	69°	360	0.9
PRETTUS S TM MRT	1450	20	73	80+	3000	69°	350	0.9
PRETTUS S TM MRT	1550	20	78	80+	4000	69°	360	0.9
PRETTUS S TM WRT	1100	15	73	80+	3000	69°	350	0.9
PRETTUS S TM WRT	1150	15	77	80+	4000	69°	360	0.9
PRETTUS S TM WRT	1450	20	73	80+	3000	69°	350	0.9
PRETTUS S TM WRT	1550	20	78	80+	4000	69°	360	0.9
PRETTUS S TM PRO	1000	15	67	80+	3000	73°	-	0.9
PRETTUS S TM PRO	1100	15	73	80+	4000	73°	-	0.9
PRETTUS S TM PRO	1350	20	68	80+	3000	73°	-	0.9
PRETTUS S TM PRO	1450	20	73	80+	4000	73°	-	0.9

Luminous flux tolerance +/- 10 %.

POLISHED REFLECTOR (PRE)



MATT REFLECTOR (MRE)



WHITE ANODISED REFLECTOR (WRE)



POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



MATT REFLECTOR AND TRANSPARENT COVER (MRT)



WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)



POLISHED REFLECTOR AND OPAL COVER (PRO)



# Prettus S Trimless



220-240V  
50-60Hz

LED

CRI 80+ Ra

CCT 3000 K

CCT 4000 K

ECG

ECG DALI

EMERGENCY

IP 20

IP 40

IP 54

**EN**

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C (from 0°C with EM unit)

**DE**

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opale PMMA

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20°C bis +35 °C (von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C (de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Vsadené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený/matný/bielý reflektor (PRE/MRE/WRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Bielý reflektor + transparentný kryt (WRT)  
Leštený reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Těleso: oceľový plech  
Diffusor: mikroprismatický PMMA  
Obruč: hliníkový odlitok  
Reflektor: leštený/matný/bielý anodizovaný hliník  
Kryt: transparentný/opalový PMMA

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Service životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C (od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta opala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/opalo

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C (desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C (da 0°C con unità di emergenza)

**RU**

**Установка**  
Потолочная встраиваемая

**Источники света**  
LED

**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризма полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C (от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRETTUS S system efficacy up to 93 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP 20	5 ø166 up to 1850 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP 40		MATT
	2700 K			IP 54		WHITE
	5000 K					ASYMMETRIC
	6500 K					



DOWNLIGHTS



NEW

**PRETTUS S ADJUSTABLE**

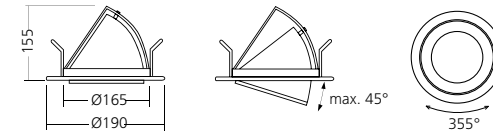
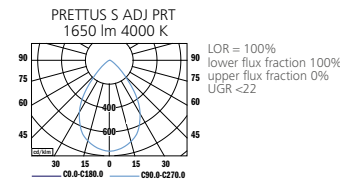
POLISHED / MATT / WHITE  
LED

FASTRUNNER

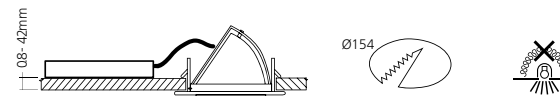


# Prettus S Adjustable

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
PRETTUS S ADJ PRE	1100	15	73	80+	3000	69°	350	0.8
PRETTUS S ADJ PRE	1200	15	80	80+	4000	69°	360	0.8
PRETTUS S ADJ PRE	1500	20	75	80+	3000	69°	350	0.8
PRETTUS S ADJ PRE	1550	20	77	80+	4000	69°	360	0.8
PRETTUS S ADJ MRE	1150	15	78	80+	3000	69°	350	0.8
PRETTUS S ADJ MRE	1250	15	62	80+	4000	69°	360	0.8
PRETTUS S ADJ MRE	1550	20	77	80+	3000	69°	350	0.8
PRETTUS S ADJ MRE	1650	20	83	80+	4000	69°	360	0.8
PRETTUS S ADJ WRE	1150	15	77	80+	3000	69°	350	0.8
PRETTUS S ADJ WRE	1250	15	83	80+	4000	69°	360	0.8
PRETTUS S ADJ WRE	1550	20	77	80+	3000	69°	350	0.8
PRETTUS S ADJ WRE	1650	20	83	80+	4000	69°	360	0.8
PRETTUS S ADJ PRT	1050	15	70	80+	3000	69°	350	0.8
PRETTUS S ADJ PRT	1100	15	73	80+	4000	69°	360	0.8
PRETTUS S ADJ PRT	1400	20	70	80+	3000	69°	350	0.8
PRETTUS S ADJ PRT	1500	20	75	80+	4000	69°	360	0.8
PRETTUS S ADJ MRT	1075	15	72	80+	3000	69°	350	0.8
PRETTUS S ADJ MRT	1150	15	77	80+	4000	69°	360	0.8
PRETTUS S ADJ MRT	1450	20	73	80+	3000	69°	350	0.8
PRETTUS S ADJ MRT	1550	20	77	80+	4000	69°	360	0.8
PRETTUS S ADJ WRT	1075	15	72	80+	3000	69°	350	0.8
PRETTUS S ADJ WRT	1150	15	77	80+	4000	69°	360	0.8
PRETTUS S ADJ WRT	1450	20	73	80+	3000	69°	350	0.8
PRETTUS S ADJ WRT	1550	20	77	80+	4000	69°	360	0.8
PRETTUS S ADJ PRO	1000	15	67	80+	3000	73°	-	0.8
PRETTUS S ADJ PRO	1075	15	72	80+	4000	73°	-	0.8
PRETTUS S ADJ PRO	1350	20	67	80+	3000	73°	-	0.8
PRETTUS S ADJ PRO	1450	20	73	80+	4000	73°	-	0.8

Luminous flux tolerance +/- 10 %.

POLISHED REFLECTOR (PRE)



MATT REFLECTOR (MRE)



WHITE ANODISED REFLECTOR (WRE)



POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



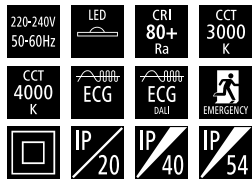
MATT REFLECTOR AND TRANSPARENT COVER (MRT)



WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)



POLISHED REFLECTOR AND OPAL COVER (PRO)



**EN**

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

**DE**

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Diffusor: mikrop Prismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)  
**Équipement électrique**  
Ballast électronique Vorschaltgerät FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Vsadené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený/matný/bielý reflektor (PRE/MRE/WRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Bielý reflektor + transparentný kryt (WRT)  
Leštený reflektor + opalový kryt (PRO)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Těleso: oceľový plech  
Diffuzor: mikrop Prismatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštený/matný/bielý anodizovaný hliník  
Kryt: transparentný/opalový PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0° C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta ópala (PRO)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/ópalo  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
De -20 °C a +35 °C (desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C (da 0°C con unità di emergenza)

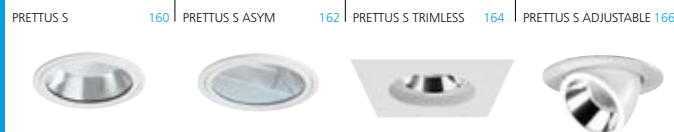
**RU**

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризм. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C (от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRETTUS S system efficacy up to 93 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP20	5 ø166 up to 1850 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP40		MATT
	2700 K			IP54		WHITE
	5000 K					ASYMMETRIC
	6500 K					







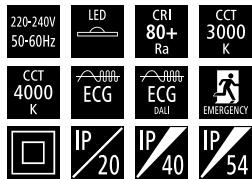


**PRETTUS M**  
POLISHED / MATT / WHITE  
LED

LED  
FASTRUNNER



# Prettus M



**EN**

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C (from 0°C with EM unit)

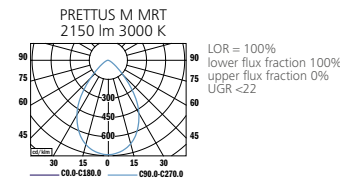
**DE**

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA  
**Oberflächenveredelung**  
Moullure: blanc RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C (von 0°C mit Notbeleuchtung)

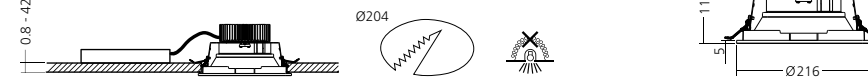
**FR**

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
Réflecteur poli + couvercle transparente (PRT)  
Matry réflecteur + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moullure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale  
**Finition de surface**  
Moullure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C (de 0°C avec l'unité de secours)

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT (kg)
PRETTUS M PRE	1750	20	88	80+	3000	72°	370	0.9
PRETTUS M PRE	1850	20	93	80+	4000	72°	380	0.9
PRETTUS M PRE	2250	24	94	80+	3000	72°	370	0.9
PRETTUS M PRE	2350	24	98	80+	4000	72°	380	0.9
PRETTUS M PRE	2700	29	93	80+	3000	72°	370	0.9
PRETTUS M PRE	2850	29	98	80+	4000	72°	380	0.9
PRETTUS M MRE	1950	20	98	80+	3000	70°	370	0.9
PRETTUS M MRE	2050	20	103	80+	4000	70°	380	0.9
PRETTUS M MRE	2350	24	98	80+	3000	70°	370	0.9
PRETTUS M MRE	2500	24	104	80+	4000	70°	380	0.9
PRETTUS M MRE	2850	29	98	80+	3000	70°	370	0.9
PRETTUS M MRE	3000	29	103	80+	4000	70°	380	0.9
PRETTUS M WRE	1950	20	98	80+	3000	84°	370	0.9
PRETTUS M WRE	2050	20	103	80+	4000	84°	380	0.9
PRETTUS M WRE	2350	24	98	80+	3000	84°	370	0.9
PRETTUS M WRE	2500	24	104	80+	4000	84°	380	0.9
PRETTUS M WRE	2850	29	98	80+	3000	84°	370	0.9
PRETTUS M WRE	3000	29	103	80+	4000	84°	380	0.9
PRETTUS M PRT	1650	20	83	80+	3000	72°	360	1.0
PRETTUS M PRT	1750	20	88	80+	4000	72°	370	1.0
PRETTUS M PRT	2050	24	85	80+	3000	72°	360	1.0
PRETTUS M PRT	2200	24	92	80+	4000	72°	370	1.0
PRETTUS M PRT	2500	29	86	80+	3000	72°	360	1.0
PRETTUS M PRT	2650	29	91	80+	4000	72°	370	1.0
PRETTUS M MRT	1800	20	90	80+	3000	70°	360	1.0
PRETTUS M MRT	1900	20	95	80+	4000	70°	370	1.0
PRETTUS M MRT	2150	24	90	80+	3000	70°	360	1.0
PRETTUS M MRT	2250	24	94	80+	4000	70°	370	1.0
PRETTUS M MRT	2600	29	90	80+	3000	70°	360	1.0
PRETTUS M MRT	2750	29	95	80+	4000	70°	370	1.0
PRETTUS M WRT	1800	20	90	80+	3000	84°	360	1.0
PRETTUS M WRT	1900	20	95	80+	4000	84°	370	1.0
PRETTUS M WRT	2150	24	90	80+	3000	84°	360	1.0
PRETTUS M WRT	2250	24	94	80+	4000	84°	370	1.0
PRETTUS M WRT	2600	29	90	80+	3000	84°	360	1.0
PRETTUS M WRT	2750	29	95	80+	4000	84°	370	1.0
PRETTUS M PRO	1600	20	80	80+	3000	74°	-	1.0
PRETTUS M PRO	1700	20	85	80+	4000	74°	-	1.0
PRETTUS M PRO	2000	24	83	80+	3000	74°	-	1.0
PRETTUS M PRO	2150	24	90	80+	4000	74°	-	1.0
PRETTUS M PRO	2450	29	84	80+	3000	74°	-	1.0
PRETTUS M PRO	2600	29	90	80+	4000	74°	-	1.0

Luminous flux tolerance +/- 10%

**SK**

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený/matný/biely reflektor (PRE/MRE/WRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Biely reflektor + transparentný kryt (WRT)  
Leštený reflektor + opalový kryt (PRO)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Těleso: oceľový plech  
Diffuzor: mikroprismatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštený/matný/biely anodizovaný hliník  
Kryt: transparentný/opalový PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C (od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta ópala (PRO)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/ópala  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C (desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C (da 0°C con unità di emergenza)

**RU**

**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризм. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C (от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRETTUS M system efficacy up to 104 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS
80+Ra	3000 K	ECG FIX	3H	IP 20	M Ø216 up to 3000 lm
90+Ra	4000 K	ECG DALI		IP 40	
	2700 K			IP 54	
	5000 K			transp. cover	
	6500 K			opal	



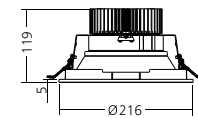
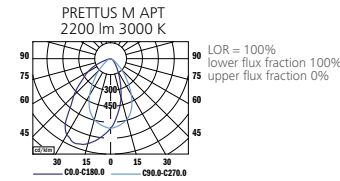
NEW

**PRETTUS M ASYM**

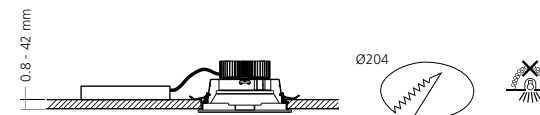
POLISHED / MATT  
LED



PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
PRETTUS M APT	1400	19	74	80+	3000	1.0
PRETTUS M APT	1450	19	76	80+	4000	1.0
PRETTUS M APT	1800	25	72	80+	3000	1.0
PRETTUS M APT	1900	25	76	80+	4000	1.0
PRETTUS M APT	2200	30	73	80+	3000	1.0
PRETTUS M APT	2300	30	77	80+	4000	1.0
PRETTUS M AMT	1350	19	71	80+	3000	1.0
PRETTUS M AMT	1400	19	74	80+	4000	1.0
PRETTUS M AMT	1700	25	68	80+	3000	1.0
PRETTUS M AMT	1800	25	72	80+	4000	1.0
PRETTUS M AMT	2100	30	70	80+	3000	1.0
PRETTUS M AMT	2200	30	73	80+	4000	1.0

Luminous flux tolerance +/- 10%

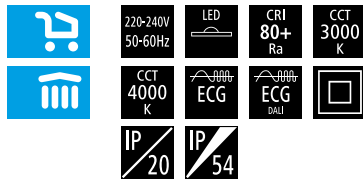
POLISHED ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (APT)



MATT ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (AMT)



# Prettus M Asym



EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Asym. polished reflector + transp. cover (APT)  
Asym. matt reflector + transp. cover (AMT)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt anodised aluminium  
Cover: transparent/opal PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Asym. polierter Ref. + durchsichtige Abdeckung (APT)  
Asym. matter Ref. + durchsichtige Abdeckung (AMT)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réf. asym. poli + couvercle transparente (APT)  
Réf. asym. mat + couvercle transparente (AMT)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente/opale  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

SK

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Asym. leštený ref. + transparentný kryt (APT)  
Asym. matný ref. + transparentný kryt (AMT)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Těleso: ocelový plech  
Difúzor: mikroprizmatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný/opalový PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Ref. asim. pulido + cubierta transparente (APT)  
Ref. asim. mate + cubierta transparente (AMT)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente/opalo  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Rif. asim. lucido + copertura trasparente (APT)  
Rif. asim. opaco + copertura trasparente (AMT)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente/opale  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

RU

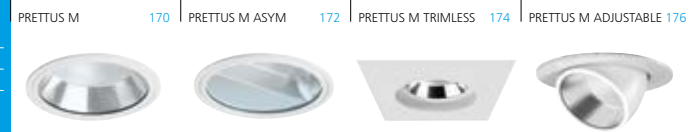
**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Крышка: шлифованный отражатель + чистая крышка (APT)  
Асим. матовый отражатель + чистая крышка (AMT)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

SPECIFICATION MATRIX

PRETTUS M system efficacy up to 104 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS
80+Ra	3000 K	ECG FIX	3H	IP 20	M ø216 up to 3000 lm
90+Ra	4000 K	ECG DALI		IP 40	
	2700 K			IP 54	
	5000 K			transp. cover	
	6500 K			opal	

REFLECTOR  
POLISHED  
MATT  
WHITE  
ASYMMETRIC



DOWNLIGHTS



NEW

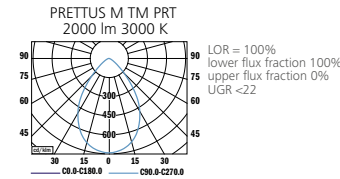
PRETTUS M TRIMLESS

POLISHED / MATT / WHITE  
LED

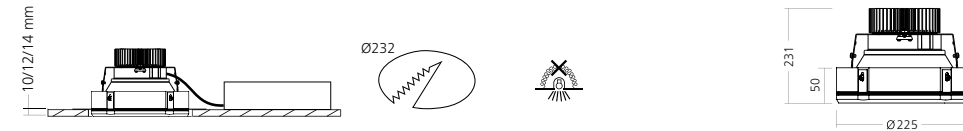


# Prettus M Trimless

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT (kg)
PRETTUS M TM PRE	1600	20	80	80+	3000	72°	370	1.0
PRETTUS M TM PRE	1650	20	83	80+	4000	72°	380	1.0
PRETTUS M TM PRE	2000	24	83	80+	3000	72°	370	1.0
PRETTUS M TM PRE	2100	24	88	80+	4000	72°	380	1.0
PRETTUS M TM PRE	2450	29	84	80+	3000	72°	370	1.0
PRETTUS M TM PRE	2550	29	88	80+	4000	72°	380	1.0
PRETTUS M TM MRE	1750	20	88	80+	3000	70°	370	1.0
PRETTUS M TM MRE	1850	20	93	80+	4000	70°	380	1.0
PRETTUS M TM MRE	2100	24	88	80+	3000	70°	370	1.0
PRETTUS M TM MRE	2250	24	78	80+	4000	70°	380	1.0
PRETTUS M TM MRE	2550	29	88	80+	3000	70°	370	1.0
PRETTUS M TM MRE	2700	29	93	80+	4000	70°	380	1.0
PRETTUS M TM WRE	1750	20	88	80+	3000	70°	370	1.0
PRETTUS M TM WRE	1850	20	93	80+	4000	84°	380	1.0
PRETTUS M TM WRE	2100	24	88	80+	3000	84°	370	1.0
PRETTUS M TM WRE	2250	24	94	80+	4000	84°	380	1.0
PRETTUS M TM WRE	2550	29	88	80+	3000	84°	370	1.0
PRETTUS M TM WRE	2700	29	93	80+	4000	84°	380	1.0
PRETTUS M TM PRT	1500	20	75	80+	3000	72°	360	1.1
PRETTUS M TM PRT	1150	20	58	80+	4000	72°	370	1.1
PRETTUS M TM PRT	1850	24	77	80+	3000	72°	360	1.1
PRETTUS M TM PRT	2000	24	83	80+	4000	72°	370	1.1
PRETTUS M TM PRT	2250	29	78	80+	3000	72°	360	1.1
PRETTUS M TM PRT	2400	29	83	80+	4000	72°	370	1.1
PRETTUS M TM MRT	1600	20	80	80+	3000	70°	360	1.1
PRETTUS M TM MRT	1700	20	85	80+	4000	70°	370	1.1
PRETTUS M TM MRT	1950	24	81	80+	3000	70°	360	1.1
PRETTUS M TM MRT	2000	24	83	80+	4000	70°	370	1.1
PRETTUS M TM MRT	2350	29	81	80+	3000	70°	360	1.1
PRETTUS M TM MRT	2500	29	86	80+	4000	70°	370	1.1
PRETTUS M TM WRT	1600	20	80	80+	3000	84°	360	1.1
PRETTUS M TM WRT	1700	20	85	80+	4000	84°	370	1.1
PRETTUS M TM WRT	1950	24	81	80+	3000	84°	360	1.1
PRETTUS M TM WRT	2000	24	83	80+	4000	84°	370	1.1
PRETTUS M TM WRT	2350	29	81	80+	3000	84°	360	1.1
PRETTUS M TM WRT	2500	29	86	80+	4000	84°	370	1.1
PRETTUS M TM PRO	1450	20	73	80+	3000	74°	-	1.1
PRETTUS M TM PRO	1550	20	78	80+	4000	74°	-	1.1
PRETTUS M TM PRO	1800	24	75	80+	3000	74°	-	1.1
PRETTUS M TM PRO	1950	24	81	80+	4000	74°	-	1.1
PRETTUS M TM PRO	2200	29	76	80+	3000	74°	-	1.1
PRETTUS M TM PRO	2350	29	91	80+	4000	74°	-	1.1

Luminous flux tolerance +/- 10 %.

POLISHED REFLECTOR (PRE)



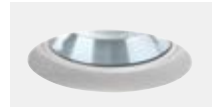
MATT REFLECTOR (MRE)



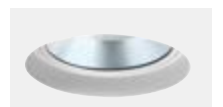
WHITE ANODISED REFLECTOR (WRE)



POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



MATT REFLECTOR AND TRANSPARENT COVER (MRT)



WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)



POLISHED REFLECTOR AND OPAL COVER (PRO)



RU

**Установка**  
Потолочная встроенная

**Источники света**  
LED

**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризм. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C (от 0°C с аварийного освещения)

IT

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusor: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

ES

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta ópala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/ópalo

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

SK

**Montáž**  
Vsadené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený/matný/bielý reflektor (PRE/MRE/WRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Bielý reflektor + transparentný kryt (WRT)  
Leštený reflektor + opálový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Těleso: oceľový plech  
Difúzor: mikroprizmatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštený/matný/bielý anodizovaný hliník  
Kryt: transparentný/opalový PMMA

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

FR

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

DE

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Diffusor: mikropriamatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opale PMMA

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C (von 0°C mit Notbeleuchtung)

EN

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)

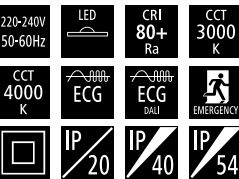
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C (from 0°C with EM unit)



SPECIFICATION MATRIX

PRETTUS M system efficacy up to 104 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP 20	M ø216 up to 3000 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP 40		MATT
	2700 K			IP 54		WHITE
	5000 K					ASYMMETRIC
	6500 K					

PRETTUS M 170 PRETTUS M ASYM 172 PRETTUS M TRIMLESS 174 PRETTUS M ADJUSTABLE 176



NEW

**PRETTUS M**

ADJUSTABLE

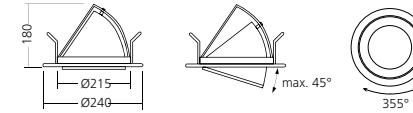
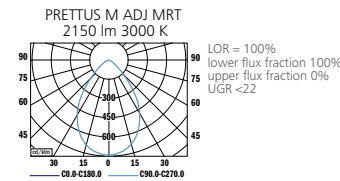
LED

FASTRUNNER

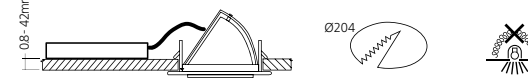


# Prettus M Adjustable

**PHOTOMETRY**

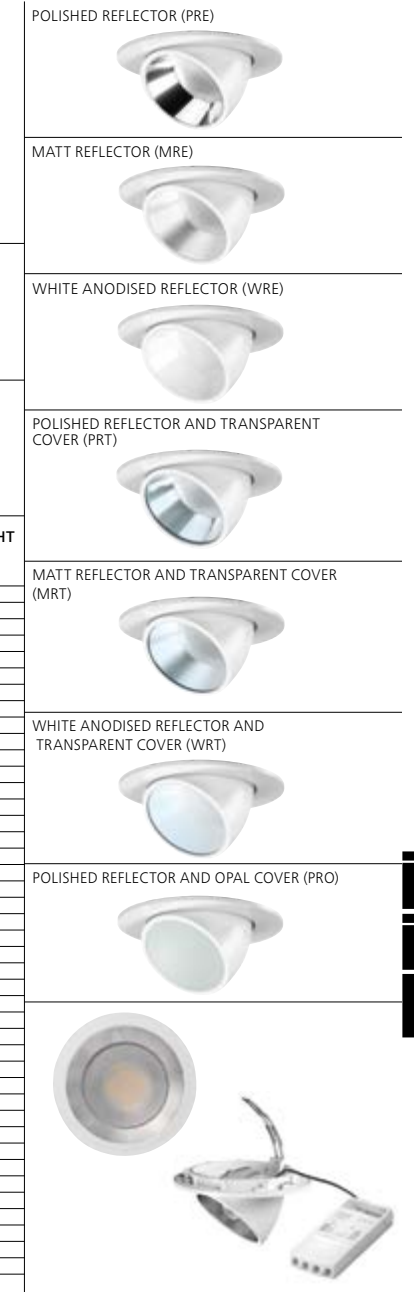


**MOUNTING**

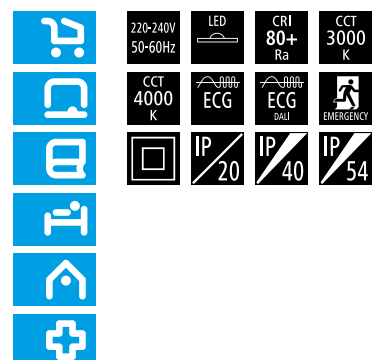


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT (kg)
PRETTUS M ADJ PRE	1750	20	88	80+	3000	72°	370	0.9
PRETTUS M ADJ PRE	1850	20	93	80+	4000	72°	380	0.9
PRETTUS M ADJ PRE	2250	24	94	80+	3000	72°	370	0.9
PRETTUS M ADJ PRE	2350	24	98	80+	4000	72°	380	0.9
PRETTUS M ADJ PRE	2700	29	93	80+	3000	72°	370	0.9
PRETTUS M ADJ PRE	2850	29	98	80+	4000	72°	380	0.9
PRETTUS M ADJ MRE	1950	20	98	80+	3000	70°	370	0.9
PRETTUS M ADJ MRE	2050	20	103	80+	4000	70°	380	0.9
PRETTUS M ADJ MRE	2350	24	98	80+	3000	70°	370	0.9
PRETTUS M ADJ MRE	2500	24	104	80+	4000	70°	380	0.9
PRETTUS M ADJ MRE	2850	29	98	80+	3000	70°	370	0.9
PRETTUS M ADJ MRE	3000	29	103	80+	4000	70°	380	0.9
PRETTUS M ADJ WRE	1950	20	98	80+	3000	70°	370	0.9
PRETTUS M ADJ WRE	2050	20	103	80+	4000	84°	380	0.9
PRETTUS M ADJ WRE	2350	24	98	80+	3000	84°	370	0.9
PRETTUS M ADJ WRE	2500	24	104	80+	4000	84°	380	0.9
PRETTUS M ADJ WRE	2850	29	98	80+	3000	84°	370	0.9
PRETTUS M ADJ WRE	3000	29	103	80+	4000	84°	380	0.9
PRETTUS M ADJ PRT	1650	20	83	80+	3000	72°	360	1.0
PRETTUS M ADJ PRT	1750	20	88	80+	4000	72°	370	1.0
PRETTUS M ADJ PRT	2050	24	85	80+	3000	72°	360	1.0
PRETTUS M ADJ PRT	2200	24	92	80+	4000	72°	370	1.0
PRETTUS M ADJ PRT	2500	29	86	80+	3000	72°	360	1.0
PRETTUS M ADJ PRT	2650	29	91	80+	4000	72°	370	1.0
PRETTUS M ADJ MRT	1800	20	90	80+	3000	70°	360	1.0
PRETTUS M ADJ MRT	1900	20	95	80+	4000	70°	370	1.0
PRETTUS M ADJ MRT	2150	24	90	80+	3000	70°	360	1.0
PRETTUS M ADJ MRT	2250	24	94	80+	4000	70°	370	1.0
PRETTUS M ADJ MRT	2600	29	90	80+	3000	70°	360	1.0
PRETTUS M ADJ MRT	2750	29	95	80+	4000	70°	370	1.0
PRETTUS M ADJ WRT	1800	20	90	80+	3000	84°	360	1.0
PRETTUS M ADJ WRT	1900	20	95	80+	4000	84°	370	1.0
PRETTUS M ADJ WRT	2150	24	90	80+	3000	84°	360	1.0
PRETTUS M ADJ WRT	2250	24	94	80+	4000	84°	370	1.0
PRETTUS M ADJ WRT	2600	29	90	80+	3000	84°	360	1.0
PRETTUS M ADJ WRT	2750	29	95	80+	4000	84°	370	1.0
PRETTUS M ADJ PRO	1600	20	80	80+	3000	74°	-	1.0
PRETTUS M ADJ PRO	1700	20	85	80+	4000	74°	-	1.0
PRETTUS M ADJ PRO	2000	24	83	80+	3000	74°	-	1.0
PRETTUS M ADJ PRO	2150	24	90	80+	4000	74°	-	1.0
PRETTUS M ADJ PRO	2450	29	84	80+	3000	74°	-	1.0
PRETTUS M ADJ PRO	2600	29	90	80+	4000	74°	-	1.0

Luminous flux tolerance +/- 10 %.



DOWNLIGHTS



**EN**  
**Mounting**  
 Ceiling recessed  
**Light source**  
 LED  
**Optical system**  
 Polished/matt/white reflector (PRE/MRE/WRE)  
 Polished reflector + transparent cover (PRT)  
 Matt reflector + transparent cover (MRT)  
 White reflector + transparent cover (WRT)  
 Polished reflector + opal cover (PRO)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
 Emergency unit variant (3H)  
**Materials**  
 Housing: sheet steel  
 Diffuser: microprismatic PMMA  
 Trim: die-cast aluminium  
 Reflector: polished/matt/white anodised aluminium  
 Cover: transparent/opal PMMA  
**Surface finish**  
 Trim: white RAL 9003 (W03)  
**Service lifetime**  
 50,000 hours/L80  
**Ambient temperature**  
 From -20 °C to +35 °C (from 0°C with EM unit)

**DE**  
**Montage**  
 Einbauleuchte  
**Lichtquelle**  
 LED  
**Optisches System**  
 Polierter/matt/weißer Reflektor (PRE/MRE/WRE)  
 Polierter Reflektor + durchsichtige Abdeckung (PRT)  
 Matter Reflektor + durchsichtige Abdeckung (MRT)  
 Weisser Reflektor + durchsichtige Abdeckung (WRT)  
 Polierter Reflektor + opale Abdeckung (PRO)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
 Notbeleuchtung Variante (3H)  
**Material**  
 Körper: Stahlblech  
 Diffusor: mikroprismatisches PMMA  
 Einfassung: Aluminiumdruckguss  
 Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
 Abdeckung: durchsichtiger/opale PMMA  
**Oberflächenveredelung**  
 Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
 50,000 Stunden/L80  
**Umgebungstemperatur**  
 Von -20 °C bis +35 °C (von 0°C mit Notbeleuchtung)

**FR**  
**Montage**  
 Plafonnier encastrable  
**Source lumineuse**  
 LED  
**Système optique**  
 Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
 Réflecteur poli + couvercle transparente (PRT)  
 Réflecteur mat + couvercle transparente (MRT)  
 Réflecteur blanc + couvercle transparente (WRT)  
 Réflecteur poli + couvercle opale (PRO)  
**Équipement électrique**  
 Ballast électronique Vorschaltgerät FIX/DALI (ECG/EDA)  
 Variante de l'unité de secours (3H)  
**Matériels**  
 Corps: tôle d'acier  
 Diffuseur: microprismatique PMMA  
 Moulure: aluminium moulé sous pression  
 Réflecteur: aluminium anodisé poli/mat/blanc  
 Couvercle: PMMA transparente/opale  
**Finition de surface**  
 Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
 50,000 heures/L80  
**Température ambiante**  
 De -20 °C à +35 °C  
 (de 0°C avec l'unité de secours)

**SK**  
**Montáž**  
 Vsadené  
**Svetelný zdroj**  
 LED  
**Optický systém**  
 Leštený/matný/biely reflektor (PRE/MRE/WRE)  
 Leštený reflektor + transparentný kryt (PRT)  
 Matný reflektor + transparentný kryt (MRT)  
 Biely reflektor + transparentný kryt (WRT)  
 Leštený reflektor + opalový kryt (PRO)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
 Varianta s núdzovou jednotkou (3H)  
**Material**  
 Těleso: oceľový plech  
 Difúzor: mikroprismatický PMMA  
 Obrúč: hliníkový odliatok  
 Reflektor: leštený/matný/biely anodizovaný hliník  
 Kryt: transparentný/opalový PMMA  
**Povrchová úprava**  
 Obrúč: biela RAL 9003 (W03)  
**Servisná životnosť**  
 50,000 hodín/L80  
**Teplota okolia**  
 Od -20 °C do +35 °C  
 (od 0°C s núdzovou jednotkou)

**ES**  
**Montaje**  
 Empotradas en el techo  
**Fuente luminica**  
 LED  
**Sistema óptico**  
 Reflector pulido/mate/blanco (PRE/MRE/WRE)  
 Reflector pulido + cubierta transparente (PRT)  
 Reflector mate + cubierta transparente (MRT)  
 Reflector blanco + cubierta transparente (WRT)  
 Reflector pulido + cubierta ópala (PRO)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
 Variante unidad de emergencia (3H)  
**Material**  
 Cuerpo: lámina de acero  
 Difusor: microprismático PMMA  
 Reborde: aluminio presofundido  
 Reflector: aluminio anodizado pulido/mate/blanco  
 Cubierta: PMMA transparente/ópala  
**Tratamiento de la superficie**  
 Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
 50,000 horas/L80  
**Temperatura ambiente**  
 Desde -20 °C a +35 °C  
 (desde 0°C con unidad de emergencia)

**IT**  
**Installazione**  
 Ad incasso a soffitto  
**Sorgente luminosa**  
 LED  
**Sistema ottico**  
 Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
 Riflettore lucido + copertura trasparente (PRT)  
 Riflettore opaco + copertura trasparente (MRT)  
 Riflettore bianco + copertura trasparente (WRT)  
 Riflettore lucido + copertura opale (PRO)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
 Variante unità di emergenza (3H)  
**Materiali**  
 Corpo: lamina d'acciaio  
 Diffusore: microprisma PMMA  
 Profilo: pressofusione di alluminio  
 Riflettore: alluminio anodizzato lucido/opaco/bianco  
 Copertura: PMMA trasparente/opale  
**Finitura**  
 Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
 50,000 ore/L80  
**Temperatura d'ambiente**  
 Da -20 °C a +35 °C  
 (da 0°C con unità di emergenza)

**RU**  
**Установка**  
 Потолочная встроенная  
**Источник света**  
 LED  
**Оптическая система**  
 Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
 Шлифованный отражатель + чистая крышка (PRT)  
 Матовый отражатель + чистая крышка (MRT)  
 Белый отражатель + чистая крышка (WRT)  
 Шлифованный отражатель + чистая крышка (PRO)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
 Блок аварийного освещения (3H)  
**Материал**  
 Корпус: листовая сталь  
 Рассеиватель: микропризм. полиметилметакрилат  
 Накладка: литой алюминий  
 Отражатель: шлифованный/матовый/белый анодированный алюминий  
 Крышка: чистая/матовая полиметилметакрилат  
**Отделка поверхности**  
 Накладка: белый RAL 9003 (W03)  
**Срок службы**  
 50,000 часов/L80  
**Температура окружающей среды**  
 От -20 °C до +35 °C (от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

<b>PRETTUS M system efficacy up to 104 lm/W</b>	CRI	80+Ra	90+Ra
	CCT	3000 K	4000 K
	ECG	ECG FIX	ECG DALI
	EMERGENCY UNIT	3H	
	PROTECTION DEGREE	IP 20	IP 40
	DIMENSIONS	M Ø216 up to 3000 lm	
	REFLECTOR	POLISHED	MATT
		WHITE	ASYMMETRIC







Prettus L



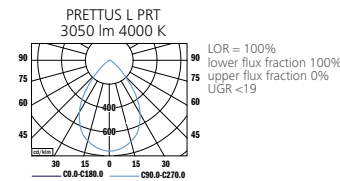
**PRETTUS L**  
POLISHED / MATT / WHITE  
LED

LED  
FASTRUNNER

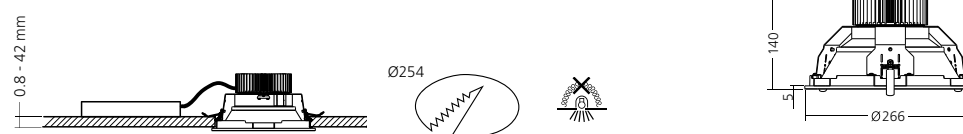


# Prettus L

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT (kg)
PRETTUS L PRE	2700	29	93	80+	3000	69°	370	1.1
PRETTUS L PRE	2850	29	98	80+	4000	69°	380	1.1
PRETTUS L PRE	3100	33	94	80+	3000	69°	370	1.1
PRETTUS L PRE	3250	33	98	80+	4000	69°	380	1.1
PRETTUS L MRE	2750	29	95	80+	3000	70°	370	1.1
PRETTUS L MRE	2900	29	100	80+	4000	70°	380	1.1
PRETTUS L MRE	3150	33	95	80+	3000	70°	370	1.1
PRETTUS L MRE	3300	33	100	80+	4000	70°	380	1.1
PRETTUS L WRE	2750	29	95	80+	3000	83°	370	1.1
PRETTUS L WRE	2900	29	100	80+	4000	83°	380	1.1
PRETTUS L WRE	3150	33	95	80+	3000	83°	370	1.1
PRETTUS L WRE	3300	33	100	80+	4000	83°	380	1.1
PRETTUS L PRT	2550	29	88	80+	3000	69°	360	1.3
PRETTUS L PRT	2700	29	93	80+	4000	69°	370	1.3
PRETTUS L PRT	2900	33	88	80+	3000	69°	360	1.3
PRETTUS L PRT	3050	33	92	80+	4000	69°	370	1.3
PRETTUS L MRT	2600	29	90	80+	3000	70°	360	1.3
PRETTUS L MRT	2750	29	95	80+	4000	70°	370	1.3
PRETTUS L MRT	2950	33	89	80+	3000	70°	360	1.3
PRETTUS L MRT	3100	33	94	80+	4000	70°	370	1.3
PRETTUS L MRT	2600	29	90	80+	3000	83°	360	1.3
PRETTUS L WRT	2750	29	95	80+	4000	83°	370	1.3
PRETTUS L WRT	2950	33	89	80+	3000	83°	360	1.3
PRETTUS L WRT	3100	33	94	80+	4000	83°	370	1.3
PRETTUS L PRO	2500	29	86	80+	3000	74°	-	1.3
PRETTUS L PRO	2650	29	91	80+	4000	74°	-	1.3
PRETTUS L PRO	2850	33	86	80+	3000	74°	-	1.3
PRETTUS L PRO	3000	33	91	80+	4000	74°	-	1.3

Luminous flux tolerance +/- 10%

POLISHED REFLECTOR (PRE)



MATT REFLECTOR (MRE)



WHITE ANODISED REFLECTOR (WRE)



POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



MATT REFLECTOR AND TRANSPARENT COVER (MRT)



WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)



POLISHED REFLECTOR AND OPAL COVER (PRO)



DOWNLIGHTS



220-240V  
50-60Hz

LED

CRI 80+ Ra

CCT 3000 K

CCT 4000 K

ECG

ECG DALI

EMERGENCY

IP 20

IP 40

IP 54

**EN**

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt/white reflector (PRE/MRE/WRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal PMMA

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C (from 0°C with EM unit)

**DE**

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter/weisser Reflektor (PRE/MRE/WRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opale PMMA

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C (von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur poli/mat/blanc (PRE/MRE/WRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: PMMA transparente/opale

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C (de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Vsadené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený/matný/bielý reflektor (PRE/MRE/WRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Bielý reflektor + transparentný kryt (WRT)  
Leštený reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Těleso: oceľový plech  
Diffúzor: mikroprismatický PMMA  
Obruč: hliníkový odliatok  
Reflektor: leštený/matný/bielý anodizovaný hliník  
Kryt: transparentný/opalový PMMA

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C (od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate/blanco (PRE/MRE/WRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta ópala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: PMMA transparente/ópala

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C (desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco/bianco (PRE/MRE/WRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: PMMA trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C (da 0°C con unità di emergenza)

**RU**

**Установка**  
Потолочная встроенная

**Источник света**  
LED

**Оптическая система**  
Шлифованный/матовый/белый отражатель (PRE/MRE/WRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризм. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый/белый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C (от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

PRETTUS L  
system efficacy  
up to 100 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP 20	L ø266 up to 3300 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP 40		MATT
	2700 K			IP 54		WHITE
	5000 K					ASYMMETRIC
	6500 K					





NEW

**PRETTUS L ASYM**

POLISHED / MATT

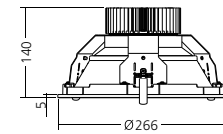
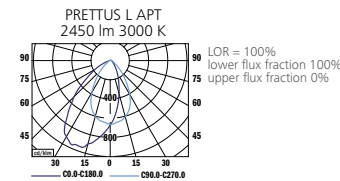
LED

LED

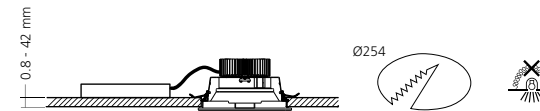


# Prettus L Asym

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
PRETTUS L APT	2100	29	72	80+	3000	1.3
PRETTUS L APT	2200	29	76	80+	4000	1.3
PRETTUS L APT	2450	34	72	80+	3000	1.3
PRETTUS L APT	2550	34	75	80+	4000	1.3
PRETTUS L AMT	2000	29	69	80+	3000	1.3
PRETTUS L AMT	2100	29	72	80+	4000	1.3
PRETTUS L AMT	2350	34	69	80+	3000	1.3
PRETTUS L AMT	2450	34	72	80+	4000	1.3

Luminous flux tolerance +/- 10%

POLISHED ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (APT)



MATT ASYMMETRIC REFLECTOR AND TRANSPARENT COVER (AMT)



DOWNLIGHTS

**EN**

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Asym. polished reflector + transp. cover (APT)  
Asym. matt reflector + transp. cover (AMT)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt anodised aluminium  
Cover: transparent/opal PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

**DE**

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Asym. polierter Ref. + durchsichtige Abdeckung (APT)  
Asym. matter Ref. + durchsichtige Abdeckung (AMT)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Materialien**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réf. asym. poli + couvercle transparente (APT)  
Réf. asym. mat + couvercle transparente (AMT)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente/opale  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

**SK**

**Montáž**  
Vsadené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Asym. leštený ref. + transparentný kryt (APT)  
Asym. matný ref. + transparentný kryt (AMT)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Těleso: ocelový plech  
Diffuzor: mikroprismatický PMMA  
Obruč: hliníkový odlítek  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný/opalový PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

**ES**

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Ref. asim. pulido + cubierta transparente (APT)  
Ref. asim. mate + cubierta transparente (AMT)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente/opalo  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Rif. asim. lucido + copertura trasparente (APT)  
Rif. asim. opaco + copertura trasparente (AMT)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente/opale  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Асим. шлифованный отражатель + чистая крышка (APT)  
Асим. матовый отражатель + чистая крышка (AMT)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлифованный/матовый анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
PRETTUS L system efficacy up to 100 lm/W	80+Ra	3000 K	ECG FIX	3H	IP 20 IP 40 IP 54	M ø216 up to 3000 lm	POLISHED
	90+Ra	4000 K 2700 K 5000 K 6500 K	ECG DALI				MATT
							ASYMMETRIC









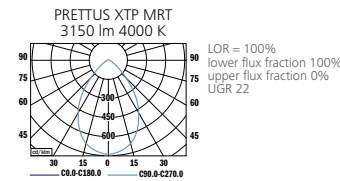
NEW

**PRETTUS XTP**  
POLISHED / MATT / WHITE  
LED

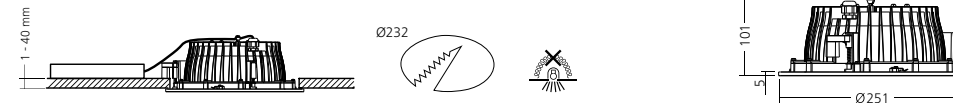


# Prettus XTP

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (AT TA = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
PRETTUS XTP PRT	1700	19	89	80+	3000	72°	2.0
PRETTUS XTP PRT	1800	19	95	80+	4000	72°	2.0
PRETTUS XTP PRT	2150	24	90	80+	3000	72°	2.0
PRETTUS XTP PRT	2250	24	94	80+	4000	72°	2.0
PRETTUS XTP PRT EDA	2600	29	90	80+	3000	72°	2.0
PRETTUS XTP PRT EDA	2750	29	95	80+	4000	72°	2.0
PRETTUS XTP PRT ECG	2950	31	95	80+	3000	72°	2.0
PRETTUS XTP PRT ECG	3100	31	100	80+	4000	72°	2.0
PRETTUS XTP MRT	1750	19	92	80+	3000	70°	2.0
PRETTUS XTP MRT	1850	19	97	80+	4000	70°	2.0
PRETTUS XTP MRT	2200	24	92	80+	3000	70°	2.0
PRETTUS XTP MRT	2300	24	96	80+	4000	70°	2.0
PRETTUS XTP MRT EDA	2650	29	91	80+	3000	70°	2.0
PRETTUS XTP MRT EDA	2800	29	97	80+	4000	70°	2.0
PRETTUS XTP MRT ECG	3000	31	97	80+	3000	70°	2.0
PRETTUS XTP MRT ECG	3150	31	102	80+	4000	70°	2.0
PRETTUS XTP WRT	1750	19	92	80+	3000	84°	2.0
PRETTUS XTP WRT	1850	19	97	80+	4000	84°	2.0
PRETTUS XTP WRT	2200	24	92	80+	3000	84°	2.0
PRETTUS XTP WRT	2300	24	96	80+	4000	84°	2.0
PRETTUS XTP WRT EDA	2650	29	91	80+	3000	84°	2.0
PRETTUS XTP WRT EDA	2800	29	97	80+	4000	84°	2.0
PRETTUS XTP WRT ECG	3000	31	97	80+	3000	84°	2.0
PRETTUS XTP WRT ECG	3150	31	102	80+	4000	84°	2.0
PRETTUS XTP PRO	1450	19	76	80+	3000	74°	2.0
PRETTUS XTP PRO	1550	19	82	80+	4000	74°	2.0
PRETTUS XTP PRO	1850	24	77	80+	3000	74°	2.0
PRETTUS XTP PRO	1950	24	81	80+	4000	74°	2.0
PRETTUS XTP PRO EDA	2250	29	78	80+	3000	74°	2.0
PRETTUS XTP PRO EDA	2350	29	81	80+	4000	74°	2.0
PRETTUS XTP PRO ECG	2500	31	81	80+	3000	74°	2.0
PRETTUS XTP PRO ECG	2650	31	85	80+	4000	74°	2.0

Luminous flux tolerance +/- 10%

POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



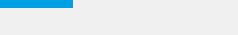
MATT REFLECTOR AND TRANSPARENT COVER (MRT)



WHITE ANODISED REFLECTOR AND TRANSPARENT COVER (WRT)



POLISHED REFLECTOR AND OPAL COVER (PRO)



**EN**

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
White reflector + transparent cover (WRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: die-cast aluminium  
Diffuser: microprismatic PMMA  
Trim: die-cast aluminium  
Reflector: polished/matt/white anodised aluminium  
Cover: transparent/opal glass

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

**DE**

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Weisser Reflektor + durchsichtige Abdeckung (WRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Materialien**  
Körper: Aluminiumdruckguss  
Diffusor: mikroprismatisches PMMA  
Einfassung: Aluminiumdruckguss  
Reflektor: poliertes/mattes/weisses eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler Glas

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Leštený reflektor + transparentný kryt (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur blanc + couvercle transparente (WRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: aluminium moulé sous pression  
Diffuseur: PMMA microprismatique  
Moulure: aluminium moulé sous pression  
Réflecteur: aluminium anodisé poli/mat/blanc  
Couvercle: verre transparente/opale

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

**SK**

**Montáž**  
Vsaďené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Biely reflektor + transparentný kryt (WRT)  
Leštený reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Těleso: hliníkový odlíatok  
Difúzor: mikroprizmatický PMMA  
Obruč: hliníkový odlíatok  
Reflektor: leštený/matný/bielý anodizovaný hliník  
Kryt: transparentné/opalové sklo

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

**ES**

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector blanco + cubierta transparente (WRT)  
Reflector pulido + cubierta opala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: aluminio presofundido  
Difusor: microprismático PMMA  
Reborde: aluminio presofundido  
Reflector: aluminio anodizado pulido/mate/blanco  
Cubierta: cristal transparente/opalo

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore bianco + copertura trasparente (WRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: pressofusione di alluminio  
Diffusore: microprisma PMMA  
Profilo: pressofusione di alluminio  
Riflettore: alluminio anodizzato lucido/opaco/bianco  
Copertura: vetro trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**

**Установка**  
Потолочная встроенная

**Источник света**  
LED

**Оптическая система**  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Белый отражатель + чистая крышка (WRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: литой алюминий  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: литой алюминий  
Отражатель: шлиф./мат./белый анод. алюминий  
Крышка: чистое/матовое стекло

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

**SPECIFICATION MATRIX**

<b>CRI</b> 80+Ra 90+Ra	<b>CCT</b> 3000 K 4000 K 2700 K 5000 K 6500 K	<b>ECG</b> ECG FIX ECG DALI	<b>EMERGENCY UNIT</b> 3H	<b>PROTECTION DEGREE</b> IP 20 IP 40 IP 54 transp. cover opal	<b>DIMENSIONS</b> XTP ø251 up to 3150 lm	<b>REFLECTOR</b> POLISHED MATT WHITE ASYMMETRIC
------------------------------	--	-----------------------------------	-----------------------------	---	---	---



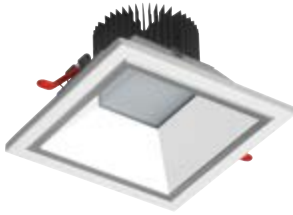
















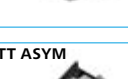










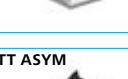




DOWNLIGHTS



Noviel



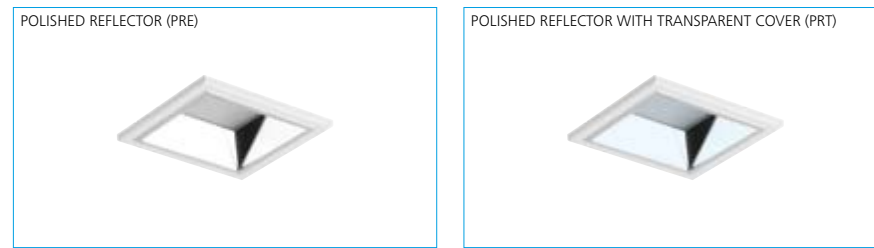
**NOVIEL**  
 SPECIFICATION MATRIX  
 NOVIEL SYSTEM EFFICACY UP TO 101 lm/W

	Mounting	Light distribution	Reflector	Cover	IP	STANDARD				ON REQUEST	
						CRI	CCT	ECG	Emergency unit	CRI	CCT
<b>NOVIEL S</b> 			POLISHED  MATT  POLISHED ASYM  MATT ASYM 	OPAL  TRANSPARENT  WITHOUT COVER 	IP 44 IP 44 IP 40	CRI 80+ Ra	CCT 3000 K CCT 4000 K	ECG ECG DALI	EMERGENCY 	CRI 90+ Ra	CCT 5000 K CCT 6500 K CCT 2700 K
<b>NOVIEL M</b> 			POLISHED  MATT  POLISHED ASYM  MATT ASYM 	OPAL  TRANSPARENT  WITHOUT COVER 	IP 44 IP 44 IP 40	CRI 80+ Ra	CCT 3000 K CCT 4000 K	ECG ECG DALI	EMERGENCY 	CRI 90+ Ra	CCT 5000 K CCT 6500 K CCT 2700 K
<b>NOVIEL L</b> 			POLISHED  MATT  POLISHED ASYM  MATT ASYM 	OPAL  TRANSPARENT  WITHOUT COVER 	IP 44 IP 44 IP 40	CRI 80+ Ra	CCT 3000 K CCT 4000 K	ECG ECG DALI	EMERGENCY 	CRI 90+ Ra	CCT 5000 K CCT 6500 K CCT 2700 K

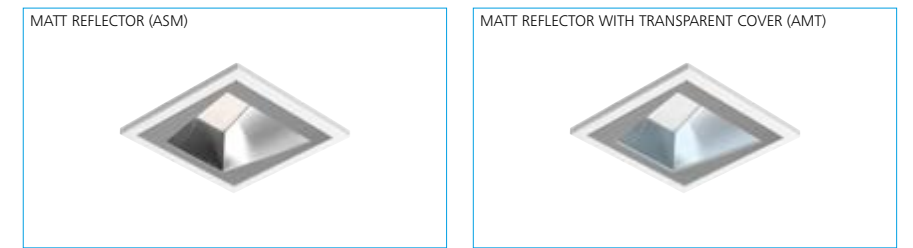
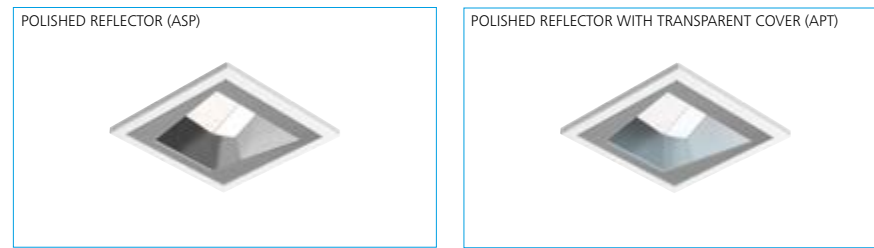
DOWNLIGHTS

**NOVIEL**  
 VARIANTS  
 NOVIEL SYSTEM EFFICACY UP TO 101 lm/W

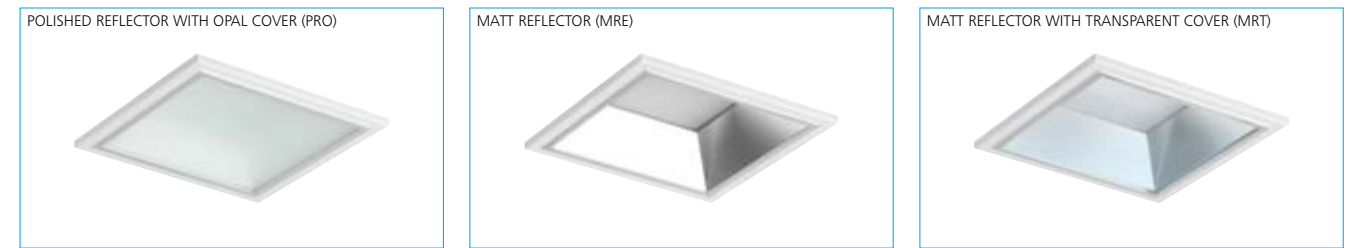
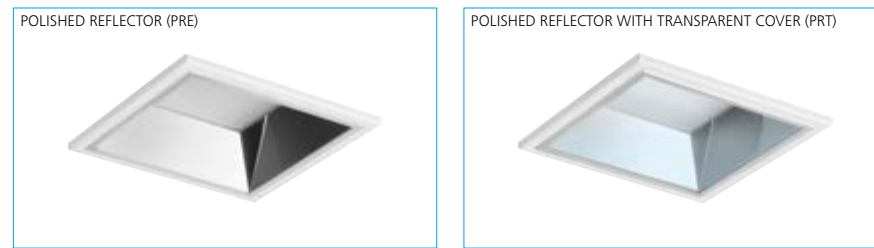
**NOVIEL S**



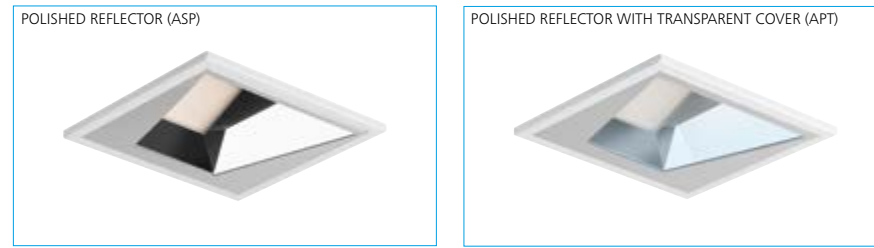
**NOVIEL S ASYM**



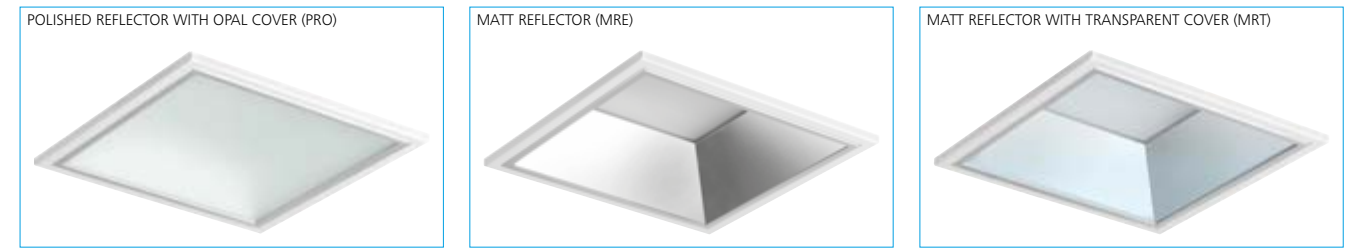
**NOVIEL M**



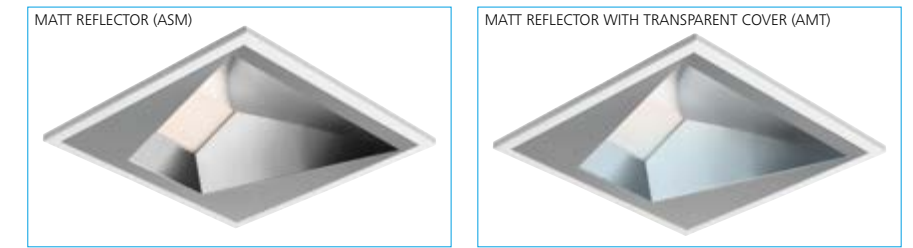
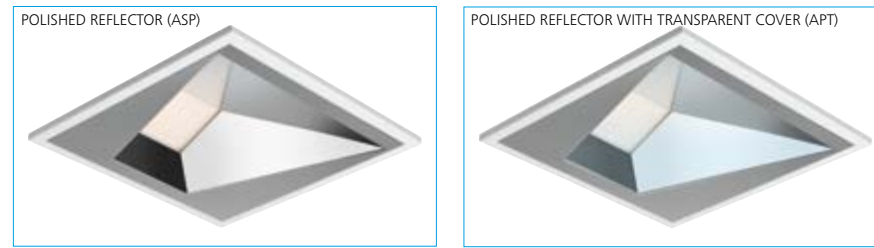
**NOVIEL M ASYM**



**NOVIEL L**



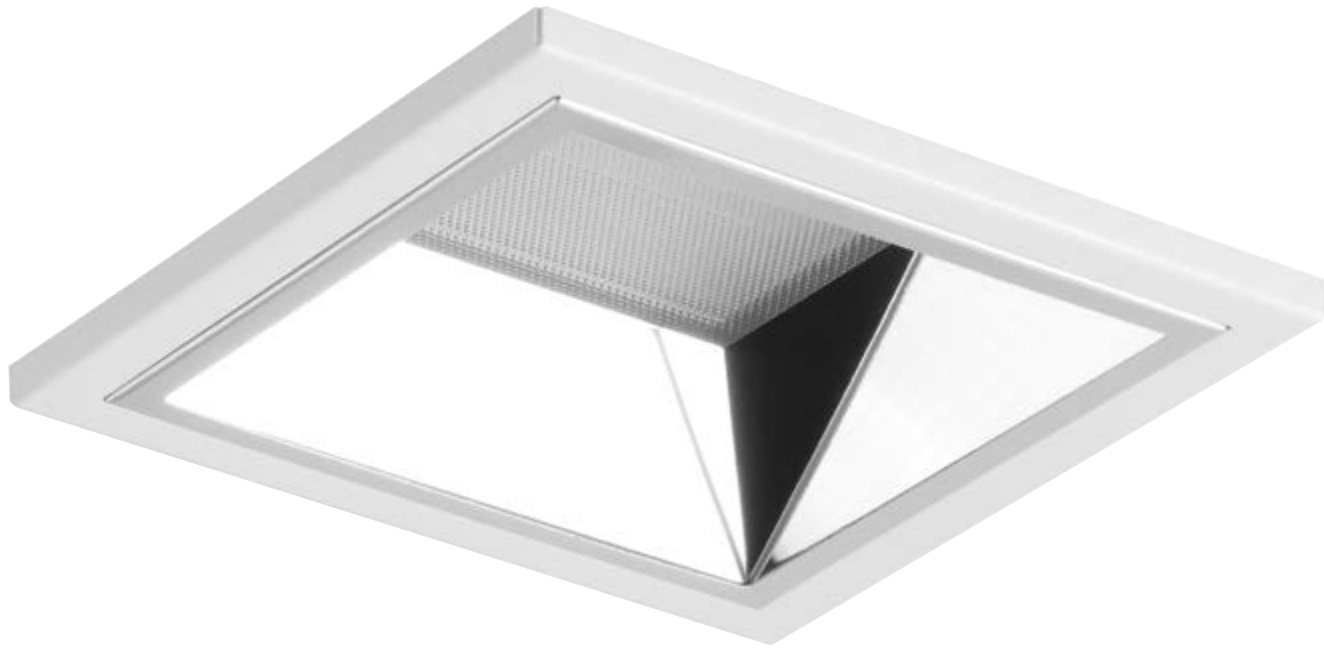
**NOVIEL L ASYM**





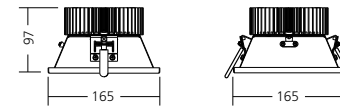
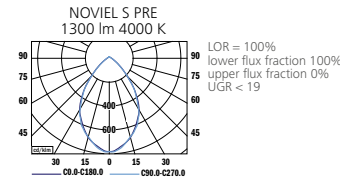
**NOVIEL S**  
POLISHED / MATT  
LED

LED  
FASTRUNNER

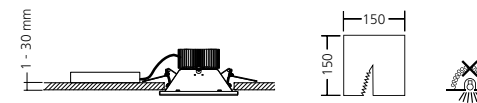


# Noviel S

**PHOTOMETRY**



**MOUNTING**

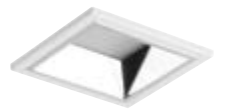


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
NOVIEL S PRE	1250	14	89	80+	3000	70°	350	0.9
NOVIEL S PRE	1300	14	93	80+	4000	70°	360	0.9
NOVIEL S PRE	1750	20	88	80+	3000	70°	350	0.9
NOVIEL S PRE	1850	20	93	80+	4000	70°	360	0.9
NOVIEL S MRE	1300	14	93	80+	3000	72°	350	0.9
NOVIEL S MRE	1350	14	96	80+	4000	72°	360	0.9
NOVIEL S MRE	1800	20	90	80+	3000	72°	350	0.9
NOVIEL S MRE	1900	20	95	80+	4000	72°	360	0.9
NOVIEL S PRT	1200	14	86	80+	3000	70°	340	0.9
NOVIEL S PRT	1250	14	89	80+	4000	70°	350	0.9
NOVIEL S PRT	1700	20	85	80+	3000	70°	340	0.9
NOVIEL S PRT	1800	20	90	80+	4000	70°	350	0.9
NOVIEL S MRT	1250	14	89	80+	3000	72°	340	0.9
NOVIEL S MRT	1300	14	93	80+	4000	72°	350	0.9
NOVIEL S MRT	1750	20	88	80+	3000	72°	340	0.9
NOVIEL S MRT	1850	20	93	80+	4000	72°	350	0.9
NOVIEL S PRO	1200	14	86	80+	3000	79°	-	0.9
NOVIEL S PRO	1250	14	89	80+	4000	79°	-	0.9
NOVIEL S PRO	1700	20	85	80+	3000	79°	-	0.9
NOVIEL S PRO	1800	20	90	80+	4000	79°	-	0.9

Luminous flux tolerance +/- 10%



POLISHED REFLECTOR (PRE)



POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



POLISHED REFLECTOR AND OPAL COVER (PRO)



MATT REFLECTOR (MRE)



MATT REFLECTOR AND TRANSPARENT COVER (MRT)



DOWNLIGHTS



220-240V  
50-60Hz

LED

CRI 80+  
Ra

CCT 3000  
K

CCT 4000  
K

ECG

ECG DALI

EMERGENCY

IP 20

IP 40

IP 44

**EN**

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt reflector (PRE/MRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: sheet steel  
Reflector: polished/matt anodized aluminium  
Cover: transparent/opal PMMA

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

**DE**

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter Reflektor (PRE/MRE)  
Poliertes Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Poliertes Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Stahlblech  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur poli/mat (PRE/MRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA microprismatique  
Moulure: tôle d'acier  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente/opale

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Vsaďené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený/matný reflektor (PRE/MRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Leštený reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Téleso: oceľový plech  
Difúzor: mikroprizmatický PMMA  
Obruč: oceľový plech  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný/opalový PMMA

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate (PRE/MRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector pulido + cubierta opala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Obrillo: lámina de acero  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente/opalo

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco (PRE/MRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: lamina d'acciaio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**

**Установка**  
Потолочная встраиваемая

**Источник света**  
LED

**Оптическая система**  
Шлифованный/матовый отражатель (PRE/MRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: листовая сталь  
Отражатель: шлиф./мат. анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

NOVIEL system efficacy up to 101 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS
80+Ra	3000 K	ECG FIX	3H	IP 20	S 165x165 up to 1990 lm
90+Ra	4000 K	ECG DALI		IP 40	M 215x215 up to 2900 lm
	2700 K			IP 44	L 265x265 up to 3450 lm
	5000 K			cover	
	6500 K			transp.	
				opale	

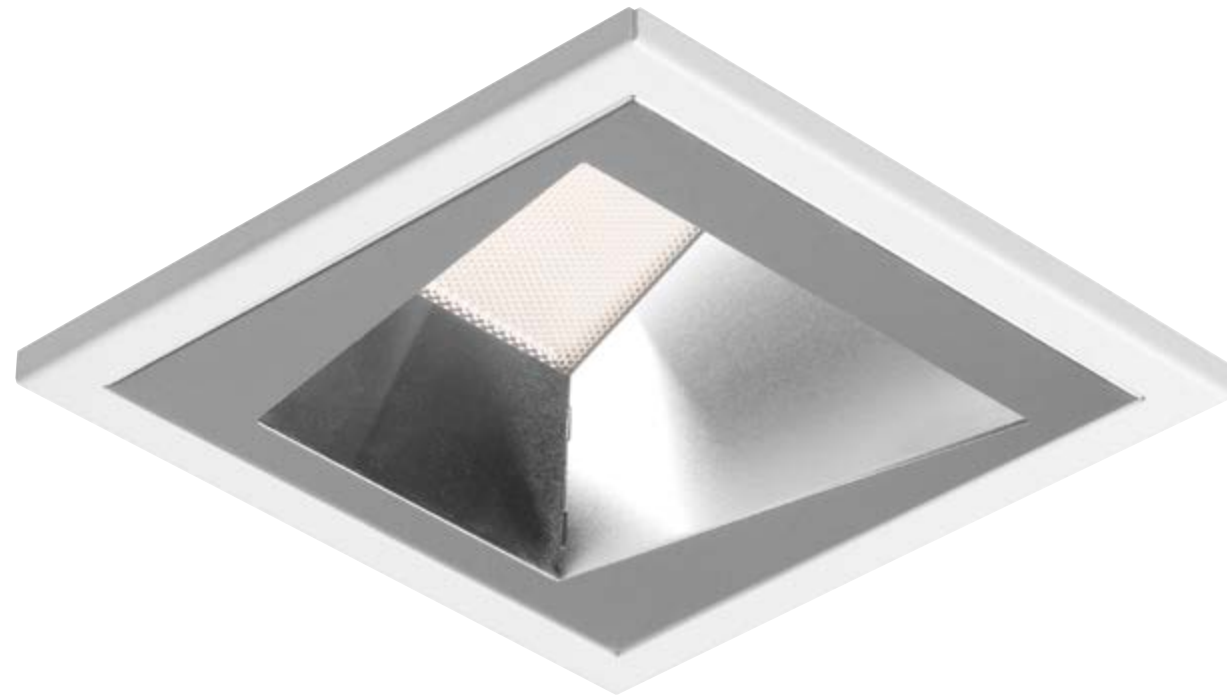
REFLECTOR  
POLISHED  
MATT  
ASYMMETRIC



NEW

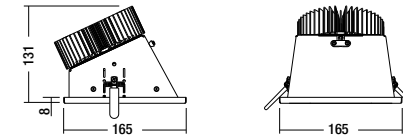
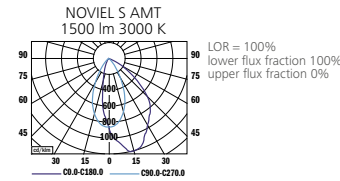
**NOVIEL S ASYM**

POLISHED / MATT  
LED

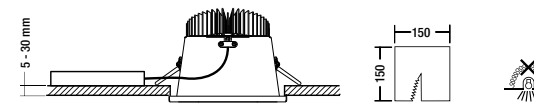


# Noviel S Asym

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
NOVIEL S ASP	1150	14	82	80+	3000	0.9
NOVIEL S ASP	1200	14	86	80+	4000	0.9
NOVIEL S ASP	1600	20	80	80+	3000	0.9
NOVIEL S ASP	1700	20	85	80+	4000	0.9
NOVIEL S ASM	1150	14	82	80+	3000	0.9
NOVIEL S ASM	1200	14	86	80+	4000	0.9
NOVIEL S ASM	1600	20	80	80+	3000	0.9
NOVIEL S ASM	1700	20	85	80+	4000	0.9
NOVIEL S APT	1050	14	75	80+	3000	0.9
NOVIEL S APT	1100	14	79	80+	4000	0.9
NOVIEL S APT	1500	20	75	80+	3000	0.9
NOVIEL S APT	1600	20	80	80+	4000	0.9
NOVIEL S AMT	1050	14	75	80+	3000	0.9
NOVIEL S AMT	1100	14	79	80+	4000	0.9
NOVIEL S AMT	1500	20	75	80+	3000	0.9
NOVIEL S AMT	1600	20	80	80+	4000	0.9

Luminous flux tolerance +/- 10%

POLISHED REFLECTOR (ASP)



POLISHED REFLECTOR / TRANSPARENT COVER (APT)



MATT REFLECTOR (ASM)



MATT REFLECTOR / TRANSPARENT COVER (AMT)



DOWNLIGHTS

220-240V 50-60Hz  
LED  
CRI 80+ Ra  
CCT 3000 K  
CCT 4000 K  
ECG  
ECG DALI  
IP 20  
IP 40  
IP 44

**EN**

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Asymmetric polished/matt/ reflector (ASP/ASM)  
Asymmetric polished reflector + transparent cover (APT)  
Asymmetric matt reflector + transparent cover (AMT)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: sheet steel  
Reflector: polished/matt anodized aluminium  
Cover: transparent PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

**DE**

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Asymmetrisch polierter/matter Reflektor (ASP/ASM)  
Asymmetrisch polierter Reflektor + durchsichtige Abdeckung (APT)  
Asymmetrisch matter Reflektor + durchsichtige Abdeckung (AMT)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Stahlblech  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur asymétrique poli/mat (ASP/ASM)  
Réflecteur asymétrique poli + couvercle transparente (APT)  
Réflecteur asymétrique mat + couvercle transparente (AMT)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Diffusor: PMMA microprismatique  
Moulure: tôle d'acier  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

**SK**

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Asymetrický leštený/matný reflektor (ASP/ASM)  
Asymetrický leštený reflektor + transparentný kryt (APT)  
Asymetrický matný reflektor + transparentný kryt (AMT)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Téleso: oceľový plech  
Difúzor: mikroprizmatický PMMA  
Obruč: oceľový plech  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

**ES**

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector asimétrico pulido/mate (ASP/ASM)  
Reflector asimétrico pulido + cubierta transparente (APT)  
Reflector asimétrico mate + cubierta transparente (AMT)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: lámina de acero  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

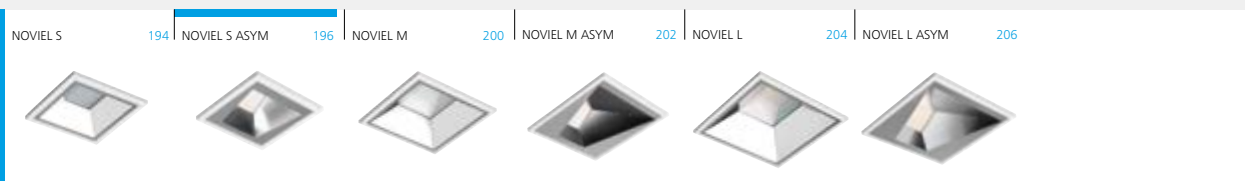
**IT**

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore asimmetrico lucido/opaco (ASP/ASM)  
Riflettore asimmetrico lucido + copertura trasparente (APT)  
Riflettore asimmetrico opaco + copertura trasparente (AMT)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: lamina d'acciaio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Асимметричный шлифованный/матовый отражатель (ASP/ASM)  
Асимм. шлиф. отражатель + чистая крышка (APT)  
Асимм. мат. отражатель + чистая крышка (AMT)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризматический полиметилметакрилат  
Накладка: листовая сталь  
Отражатель: шлифованный/матовый анодированный алюминий  
Крышка: чистая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
NOVIEL system efficacy up to 101 lm/W	80+Ra	3000 K	ECG FIX	3H	IP 20 IP 40 IP 44	S 165x165 up to 1990 lm	POLISHED MATT ASYMMETRIC
	90+Ra	4000 K	ECG DALI			M 215x215 up to 2900 lm	
		2700 K				L 265x265 up to 3450 lm	
		5000 K					
		6500 K					









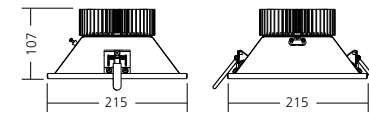
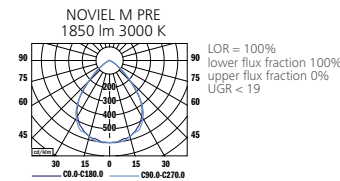
**NOVIEL M**  
POLISHED / MATT  
LED

LED  
FASTRUNNER

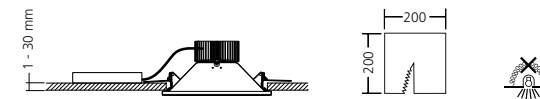


# Noviel M

**PHOTOMETRY**

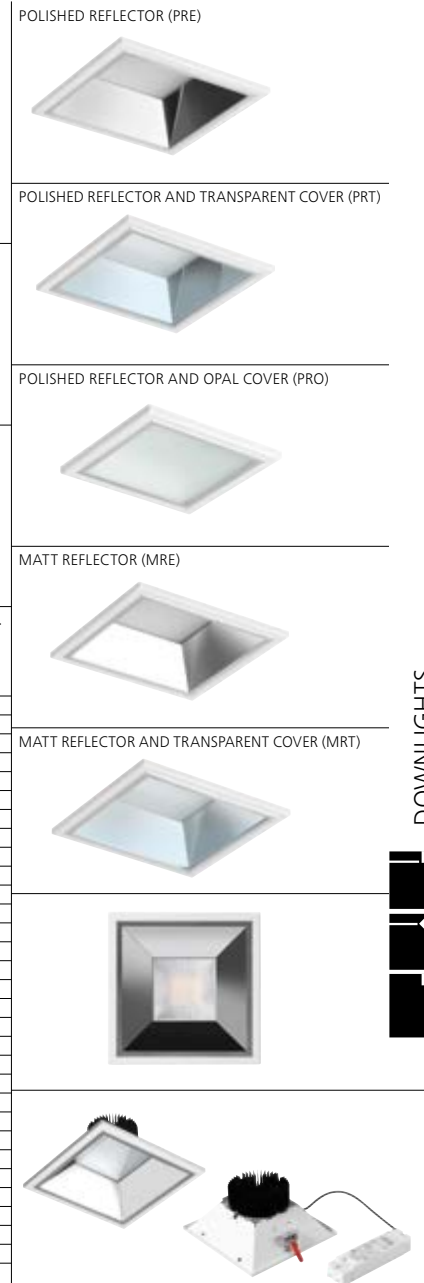


**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H	WEIGHT (kg)
NOVIEL M PRE	1850	20	93	80+	3000	82°	370	1.1
NOVIEL M PRE	1950	20	98	80+	4000	82°	380	1.1
NOVIEL M PRE	2300	25	92	80+	3000	82°	370	1.1
NOVIEL M PRE	2450	25	98	80+	4000	82°	380	1.1
NOVIEL M PRE	2700	29	93	80+	3000	82°	370	1.1
NOVIEL M PRE	2850	29	98	80+	4000	82°	380	1.1
NOVIEL M MRE	1900	20	95	80+	3000	83°	370	1.1
NOVIEL M MRE	2000	20	100	80+	4000	83°	380	1.1
NOVIEL M MRE	2350	25	94	80+	3000	83°	370	1.1
NOVIEL M MRE	2500	25	100	80+	4000	83°	380	1.1
NOVIEL M MRE	2750	29	95	80+	3000	83°	370	1.1
NOVIEL M MRE	2900	29	100	80+	4000	83°	380	1.1
NOVIEL M PRT	1800	20	90	80+	3000	82°	360	1.2
NOVIEL M PRT	1900	20	95	80+	4000	82°	370	1.2
NOVIEL M PRT	2250	25	90	80+	3000	82°	360	1.2
NOVIEL M PRT	2400	25	96	80+	4000	82°	370	1.2
NOVIEL M PRT	2650	29	91	80+	3000	82°	360	1.2
NOVIEL M PRT	2800	29	97	80+	4000	82°	370	1.2
NOVIEL M MRT	1850	20	93	80+	3000	83°	360	1.2
NOVIEL M MRT	1950	20	98	80+	4000	83°	370	1.2
NOVIEL M MRT	2300	25	92	80+	3000	83°	360	1.2
NOVIEL M MRT	2450	25	98	80+	4000	83°	370	1.2
NOVIEL M MRT	2700	29	93	80+	3000	83°	360	1.2
NOVIEL M MRT	2850	29	98	80+	4000	83°	370	1.2
NOVIEL M PRO	1800	20	90	80+	3000	89°	-	1.2
NOVIEL M PRO	1900	20	95	80+	4000	89°	-	1.2
NOVIEL M PRO	2250	25	90	80+	3000	89°	-	1.2
NOVIEL M PRO	2400	25	96	80+	4000	89°	-	1.2
NOVIEL M PRO	2650	29	91	80+	3000	89°	-	1.2
NOVIEL M PRO	2800	29	97	80+	4000	89°	-	1.2

Luminous flux tolerance +/- 10%



DOWNLIGHTS



220-240V  
50-60Hz

LED

CRI 80+  
Ra

CCT 3000  
K

CCT 4000  
K

ECG

ECG DALI

EMERGENCY

IP 20

IP 40

IP 44

**EN**

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Polished/matt reflector (PRE/MRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
Polished reflector + opal cover (PRO)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)

**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: sheet steel  
Reflector: polished/matt anodized aluminium  
Cover: transparent/opal PMMA

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C  
(from 0°C with EM unit)

**DE**

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Polierter/matter Reflektor (PRE/MRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Polierter Reflektor + opale Abdeckung (PRO)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)

**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Moulure: Stahlblech  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Réflecteur poli/mat (PRE/MRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur poli + couvercle opale (PRO)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)

**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: tôle d'acier  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente/opale

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Vsadené

**Svetelný zdroj**  
LED

**Optický systém**  
Leštený/matný reflektor (PRE/MRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Leštený reflektor + opalový kryt (PRO)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)

**Material**  
Téleso: oceľový plech  
Difúzor: mikroprismatický PMMA  
Obruč: oceľový plech  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný/opalový PMMA

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector pulido/mate (PRE/MRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector pulido + cubierta opala (PRO)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)

**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: lámina de acero  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente/opalo

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore lucido/opaco (PRE/MRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore lucido + copertura opale (PRO)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)

**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: lamina di acciaio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente/opale

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

**RU**

**Установка**  
Потолочная встраиваемая

**Источник света**  
LED

**Оптическая система**  
Шлифованный/матовый отражатель (PRE/MRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Шлифованный отражатель + чистая крышка (PRO)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)

**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: листовая сталь  
Отражатель: шлиф./мат. анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

NOVIEL system efficacy up to 101 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP 20	S 165x165 up to 1990 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP 40	M 215x215 up to 2900 lm	MATT
	2700 K			IP 44	L 265x265 up to 3450 lm	ASYMMETRIC





NEW

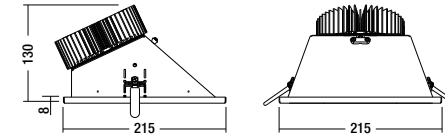
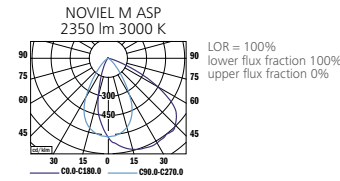
**NOVIEL M ASYM**

POLISHED / MATT  
LED

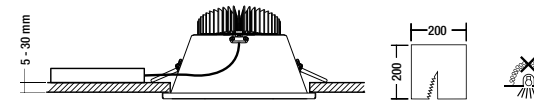


# Noviel M Asym

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
NOVIEL M ASP	1550	20	78	80+	3000	1.2
NOVIEL M ASP	1650	20	83	80+	4000	1.2
NOVIEL M ASP	2000	25	80	80+	3000	1.2
NOVIEL M ASP	2100	25	84	80+	4000	1.2
NOVIEL M ASP	2350	30	78	80+	3000	1.2
NOVIEL M ASP	2500	30	83	80+	4000	1.2
NOVIEL M ASM	1550	20	78	80+	3000	1.2
NOVIEL M ASM	1650	20	83	80+	4000	1.2
NOVIEL M ASM	2000	25	80	80+	3000	1.2
NOVIEL M ASM	2100	25	84	80+	4000	1.2
NOVIEL M ASM	2350	30	78	80+	3000	1.2
NOVIEL M ASM	2500	30	83	80+	4000	1.2
NOVIEL M APT	1450	20	73	80+	3000	1.2
NOVIEL M APT	1550	20	78	80+	4000	1.2
NOVIEL M APT	1800	25	72	80+	3000	1.2
NOVIEL M APT	1900	25	76	80+	4000	1.2
NOVIEL M APT	2150	30	72	80+	3000	1.2
NOVIEL M APT	2250	30	75	80+	4000	1.2
NOVIEL M AMT	1450	20	73	80+	3000	1.2
NOVIEL M AMT	1550	20	78	80+	4000	1.2
NOVIEL M AMT	1800	25	72	80+	3000	1.2
NOVIEL M AMT	1900	25	76	80+	4000	1.2
NOVIEL M AMT	2150	30	72	80+	3000	1.2
NOVIEL M AMT	2250	30	75	80+	4000	1.2

Luminous flux tolerance +/- 10%

POLISHED REFLECTOR (ASP)



POLISHED REFLECTOR / TRANSPARENT COVER (APT)



MATT REFLECTOR (ASM)



MATT REFLECTOR / TRANSPARENT COVER (AMT)



DOWNLIGHTS

220-240V 50-60Hz  
LED  
CCT 4000 K  
IP 20  
IP 40  
IP 44

CRI 80+ Ra  
ECG  
ECG DALI

CCT 3000 K

EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Asymmetric polished/matt/ reflector (ASP/ASM)  
Asymmetric polished reflector + transparent cover (APT)  
Asymmetric matt reflector + transparent cover (AMT)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: sheet steel  
Reflector: polished/matt anodized aluminium  
Cover: transparent PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Asymmetrisch polierter/matter Reflektor (ASP/ASM)  
Asymmetrisch polierter Reflektor + durchsichtige Abdeckung (APT)  
Asymmetrisch matter Reflektor + durchsichtige Abdeckung (AMT)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Stahlblech  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur asymétrique poli/mat (ASP/ASM)  
Réflecteur asymétrique poli + couvercle transparente (APT)  
Réflecteur asymétrique mat + couvercle transparente (AMT)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: tôle d'acier  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Všadené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Asymetrický leštený/matný reflektor (ASP/ASM)  
Asymetrický leštený reflektor + transparentný kryt (APT)  
Asymetrický matný reflektor + transparentný kryt (AMT)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Téleso: oceľový plech  
Difúzor: mikroprismatický PMMA  
Obruč: oceľový plech  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector asimétrico pulido/mate (ASP/ASM)  
Reflector asimétrico pulido + cubierta transparente (APT)  
Reflector asimétrico mate + cubierta transparente (AMT)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: lámina de acero  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

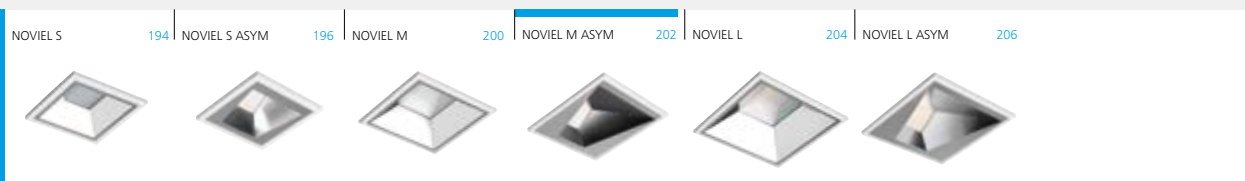
IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore asimmetrico lucido/opaco (ASP/ASM)  
Riflettore asimmetrico lucido + copertura trasparente (APT)  
Riflettore asimmetrico opaco + copertura trasparente (AMT)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: lamina d'acciaio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Асимметричный шлиф./мат. отражатель (ASP/ASM)  
Асимметричный шлиф. отражатель + чистая крышка (APT)  
Асимметричный мат. отражатель + чистая крышка (AMT)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: листовая сталь  
Отражатель: шлифованный/матовый анодированный алюминий  
Крышка: чистая полиметилметакрилат  
**Отделка поверхности**  
Накладка: Белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP 20	S 165x165 up to 1990 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP 40	M 215x215 up to 2900 lm	MATT
	2700 K			IP 44	L 265x265 up to 3450 lm	ASYMMETRIC
	5000 K			cover		
	6500 K			transp.		
				opal		



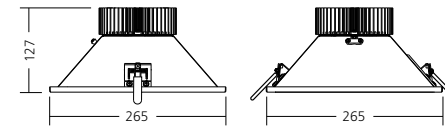
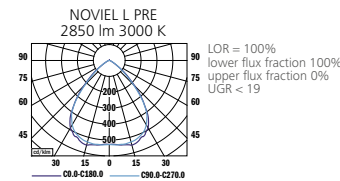
**NOVIEL L**  
POLISHED / MATT  
LED

LED  
FASTRUNNER

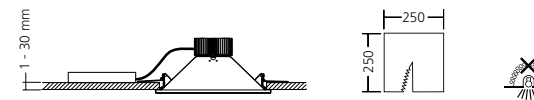


# Noviel L

**PHOTOMETRY**



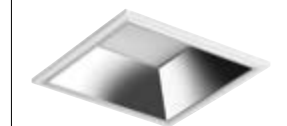
**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
NOVIEL L PRE	2850	30	95	80+	3000	85°	370	1.4
NOVIEL L PRE	3000	30	100	80+	4000	85°	380	1.4
NOVIEL L PRE	3250	34	96	80+	3000	85°	370	1.4
NOVIEL L PRE	3400	34	100	80+	4000	85°	380	1.4
NOVIEL L MRE	2900	30	97	80+	3000	86°	370	1.4
NOVIEL L MRE	3050	30	102	80+	4000	86°	380	1.4
NOVIEL L MRE	3300	34	97	80+	3000	86°	370	1.4
NOVIEL L MRE	3450	34	101	80+	4000	86°	380	1.4
NOVIEL L PRT	2800	30	93	80+	3000	85°	360	1.4
NOVIEL L PRT	2950	30	98	80+	4000	85°	370	1.4
NOVIEL L PRT	3200	34	94	80+	3000	85°	360	1.6
NOVIEL L PRT	3350	34	99	80+	4000	85°	370	1.6
NOVIEL L MRT	2850	30	95	80+	3000	86°	360	1.6
NOVIEL L MRT	3000	30	100	80+	4000	86°	370	1.6
NOVIEL L MRT	3250	34	96	80+	3000	86°	360	1.6
NOVIEL L MRT	3400	34	100	80+	4000	86°	370	1.6
NOVIEL L PRO	2800	30	93	80+	3000	89°	-	1.6
NOVIEL L PRO	2950	30	98	80+	4000	89°	-	1.6
NOVIEL L PRO	3200	34	94	80+	3000	89°	-	1.6
NOVIEL L PRO	3350	34	99	80+	4000	89°	-	1.6

Luminous flux tolerance +/- 10%

POLISHED REFLECTOR (PRE)



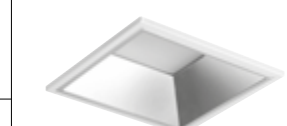
POLISHED REFLECTOR AND TRANSPARENT COVER (PRT)



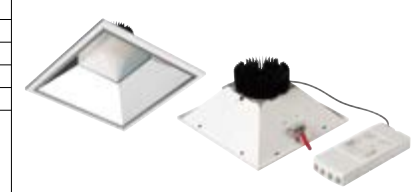
POLISHED REFLECTOR AND OPAL COVER (PRO)



MATT REFLECTOR (MRE)



MATT REFLECTOR AND TRANSPARENT COVER (MRT)



DOWNLIGHTS



220-240V 50-60Hz	LED	CRI 80+ Ra	CCT 3000 K
CCT 4000 K	ECG	ECG DALI	EMERGENCY
IP 20	IP 40	IP 44	

**EN**

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Polished/matt reflector (PRE/MRE)  
Polished reflector + transparent cover (PRT)  
Matt reflector + transparent cover (MRT)  
Polished reflector + opal cover (PRO)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: sheet steel  
Reflector: polished/matt anodised aluminium  
Cover: transparent/opal PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
Von -20 °C to +35 °C  
(from 0°C with EM unit)

**DE**

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Polierter/matter Reflektor (PRE/MRE)  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
Matter Reflektor + durchsichtige Abdeckung (MRT)  
Polierter Reflektor + opale Abdeckung (PRO)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Stahlblech  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger/opaler PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
(von 0°C mit Notbeleuchtung)

**FR**

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli/mat (PRE/MRE)  
Réflecteur poli + couvercle transparente (PRT)  
Réflecteur mat + couvercle transparente (MRT)  
Réflecteur poli + couvercle opale (PRO)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: tôle d'acier  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente/opale  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
(de 0°C avec l'unité de secours)

**SK**

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený/matný reflektor (PRE/MRE)  
Leštený reflektor + transparentný kryt (PRT)  
Matný reflektor + transparentný kryt (MRT)  
Leštený reflektor + opalový kryt (PRO)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Téleso: oceľový plech  
Difúzor: mikroprizmatický PMMA  
Obruč: oceľový plech  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný/opalový PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
(od 0°C s núdzovou jednotkou)

**ES**

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido/mate (PRE/MRE)  
Reflector pulido + cubierta transparente (PRT)  
Reflector mate + cubierta transparente (MRT)  
Reflector pulido + cubierta opala (PRO)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: lámina de acero  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente/opalo  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
(desde 0°C con unidad de emergencia)

**IT**

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido/opaco (PRE/MRE)  
Riflettore lucido + copertura trasparente (PRT)  
Riflettore opaco + copertura trasparente (MRT)  
Riflettore lucido + copertura opale (PRO)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: lamina d'acciaio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente/opale  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
(da 0°C con unità di emergenza)

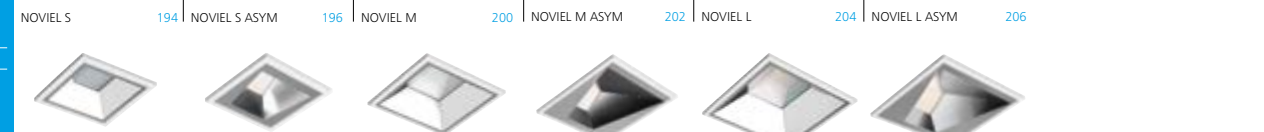
**RU**

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный/матовый отражатель (PRE/MRE)  
Шлифованный отражатель + чистая крышка (PRT)  
Матовый отражатель + чистая крышка (MRT)  
Шлифованный отражатель + чистая крышка (PRO)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микроприз. полиметилметакрилат  
Накладка: листовая сталь  
Отражатель: шлиф./мат. анодированный алюминий  
Крышка: чистая/матовая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
(от 0°C с аварийного освещения)

**SPECIFICATION MATRIX**

NOVIEL system efficacy up to 101 lm/W

CRI 80+Ra 90+Ra	CCT 3000 K 4000 K 2700 K 5000 K 6500 K	ECG ECG FIX ECG DALI	EMERGENCY UNIT 3H	PROTECTION DEGREE IP20 IP40 IP44 cover transp. opal	DIMENSIONS S 165x165 up to 1990 lm M 215x215 up to 2900 lm L 265x265 up to 3450 lm	REFLECTOR POLISHED MATT ASYMMETRIC
-----------------------	---	----------------------------	----------------------	---	---	---





NEW

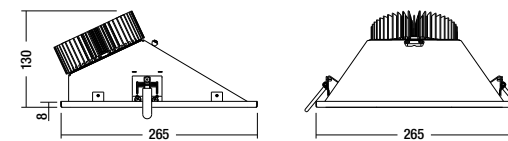
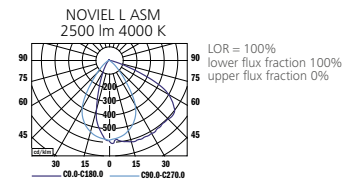
**NOVIEL L ASYM**

POLISHED / MATT  
LED

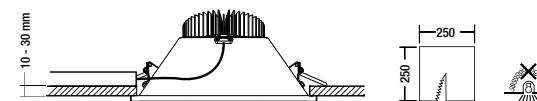


# Noviel L Asym

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WEIGHT (kg)
NOVIEL L ASP	2350	29	81	80+	3000	1.5
NOVIEL L ASP	2500	29	86	80+	4000	1.5
NOVIEL L ASP	2650	33	80	80+	3000	1.5
NOVIEL L ASP	2800	33	85	80+	4000	1.5
NOVIEL L ASM	2350	29	81	80+	3000	1.5
NOVIEL L ASM	2500	29	86	80+	4000	1.5
NOVIEL L ASM	2650	33	80	80+	3000	1.5
NOVIEL L ASM	2800	33	85	80+	4000	1.5
NOVIEL L APT	2250	29	78	80+	3000	1.5
NOVIEL L APT	2350	29	81	80+	4000	1.5
NOVIEL L APT	2550	33	77	80+	3000	1.5
NOVIEL L APT	2700	33	82	80+	4000	1.5
NOVIEL L AMT	2250	29	78	80+	3000	1.5
NOVIEL L AMT	2350	29	81	80+	4000	1.5
NOVIEL L AMT	2550	33	77	80+	3000	1.5
NOVIEL L AMT	2700	33	82	80+	4000	1.5

Luminous flux tolerance +/- 10%

POLISHED REFLECTOR (ASP)



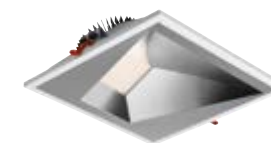
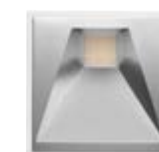
POLISHED REFLECTOR / TRANSPARENT COVER (APT)



MATT REFLECTOR (ASM)



MATT REFLECTOR / TRANSPARENT COVER (AMT)



DOWNLIGHTS



EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Asymmetric polished/matt/ reflector (ASP/ASM)  
Asymmetric polished reflector + transparent cover (APT)  
Asymmetric matt reflector + transparent cover (AMT)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Diffuser: microprismatic PMMA  
Trim: sheet steel  
Reflector: polished/matt anodized aluminium  
Cover: transparent PMMA  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Asymmetrisch polierter/matter Reflektor (ASP/ASM)  
Asymmetrisch polierter Reflektor + durchsichtige Abdeckung (APT)  
Asymmetrisch matter Reflektor + durchsichtige Abdeckung (AMT)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Diffusor: mikroprismatisches PMMA  
Einfassung: Stahlblech  
Reflektor: poliertes/mattes eloxiertes Aluminium  
Abdeckung: durchsichtiger PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur asymétrique poli/mat (ASP/ASM)  
Réflecteur asymétrique poli + couvercle transparente (APT)  
Réflecteur asymétrique mat + couvercle transparente (AMT)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur: PMMA microprismatique  
Moulure: tôle d'acier  
Réflecteur: aluminium anodisé poli/mat  
Couvercle: PMMA transparente  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Asymetrický leštený/matný reflektor (ASP/ASM)  
Asymetrický leštený reflektor + transparentný kryt (APT)  
Asymetrický matný reflektor + transparentný kryt (AMT)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Téleso: oceľový plech  
Difúzor: mikroprizmatický PMMA  
Obruč: oceľový plech  
Reflektor: leštený/matný anodizovaný hliník  
Kryt: transparentný PMMA  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector asimétrico pulido/mate (ASP/ASM)  
Reflector asimétrico pulido + cubierta transparente (APT)  
Reflector asimétrico mate + cubierta transparente (AMT)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Difusor: microprismático PMMA  
Reborde: lámina de acero  
Reflector: aluminio anodizado pulido/mate  
Cubierta: PMMA transparente  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore asimmetrico lucido/opaco (ASP/ASM)  
Riflettore asimmetrico lucido + copertura trasparente (APT)  
Riflettore asimmetrico opaco + copertura trasparente (AMT)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: microprisma PMMA  
Profilo: lamina d'acciaio  
Riflettore: alluminio anodizzato lucido/opaco  
Copertura: PMMA trasparente  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

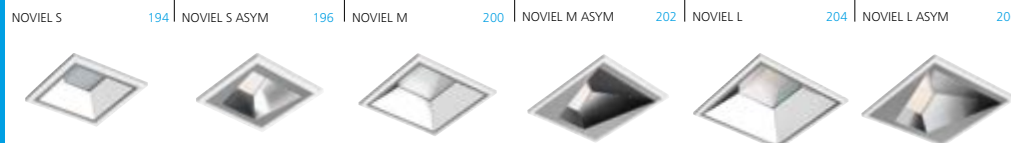
RU

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Асимметричный шлифованный/матовый отражатель (ASP/ASM)  
Асимметричный шлифованный отражатель + чистая крышка (APT)  
Асимм. матовый отражатель + чистая крышка (AMT)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: микропризматический полиметилметакрилат  
Накладка: листовая сталь  
Отражатель: шлиф./матовый анодированный алюминий  
Крышка: чистая полиметилметакрилат  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

**SPECIFICATION MATRIX**

NOVIEL system efficacy up to 101 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	DIMENSIONS	REFLECTOR
80+Ra	3000 K	ECG FIX	3H	IP 20	S 165x165 up to 1990 lm	POLISHED
90+Ra	4000 K	ECG DALI		IP 40	M 215x215 up to 2900 lm	MATT
	2700 K			IP 44	L 265x265 up to 3450 lm	ASYMMETRIC
	5000 K			transp. cover		
	6500 K			opal		





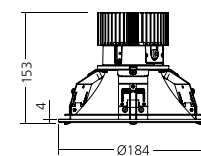
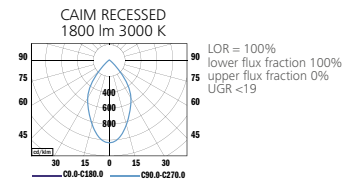
Caim



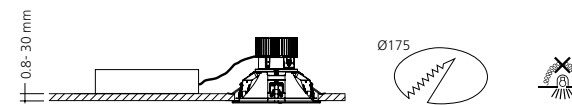


# Caim

## PHOTOMETRY



## MOUNTING

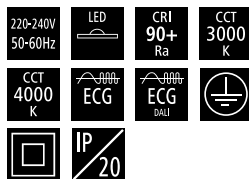


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CAIM	1800	24	75	90+	3000	62°	1.3
CAIM	1800	24	75	90+	4000	62°	1.3
CAIM	2350	32	73	90+	3000	62°	1.3
CAIM	2350	32	73	90+	4000	62°	1.3

Luminous flux tolerance +/- 10%



DOWNLIGHTS



### EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Polished reflector (PRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Reflector: polished anodised aluminium  
Trim: sheet steel  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
Up to +25 °C

### DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Polierter Reflektor (PRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Reflektor: poliertes eloxiertes Aluminium  
Einfassung: Stahlblech  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Bis +25 °C

### FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli (PRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium anodisé poli  
Moulure: tôle d'acier  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
Jusqu'à +25 °C

### SK

**Montáž**  
Vsadené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený reflektor (PRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Těleso: ocelový plech  
Reflektor: leštený anodizovaný hliník  
Obruč: ocelový plech  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Do +25 °C

### ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido (PRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio anodizado pulido  
Reborde: lámina de acero  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Hasta +25 °C

### IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido (PRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio anodizzato lucido  
Profilo: lamina d'acciaio  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
fino a +25 °C

### RU

**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный отражатель (PRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Отражатель: шлифованный анодированный алюминий  
Накладка: листовая сталь  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
До +25 °C

A revolutionary way to generate high quality light by combining red and unsaturated yellow LEDs.



Cree TrueWhite® is a revolutionary way to generate efficient high quality light by combining red and unsaturated yellow LEDs. The result is a pleasant warm white and highly effective light that has excellent colour rendition of CRI ≥90 and guaranteed colour consistency throughout the entire lifetime of the product. Perfect for use in offices, representative areas, and for retail and presentation application, this technology brings the purity of daylight indoors.



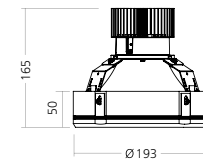
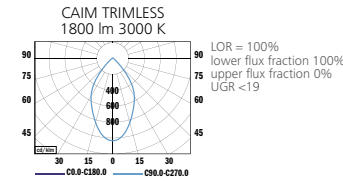
# CAIM TRIMLESS

POLISHED  
LED

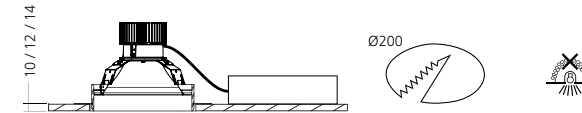


# Caim Trimless

## PHOTOMETRY



## MOUNTING

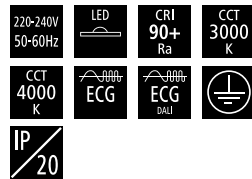


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CAIM TRIMLESS	1800	24	75	90+	3000	62°	1.7
CAIM TRIMLESS	1800	24	75	90+	4000	62°	1.7
CAIM TRIMLESS	2350	32	73	90+	3000	62°	1.7
CAIM TRIMLESS	2350	32	73	90+	4000	62°	1.7

Luminous flux tolerance +/- 10%



DOWNLIGHTS



### EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Polished reflector (PRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel  
Reflector: polished anodised aluminium  
Trim: sheet steel  
Plasterboard trim: aluminium profile  
Holders: zinc coated sheet steel  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
Up to +25 °C

### DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Polierter Reflektor (PRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech  
Reflektor: poliertes eloxiertes Aluminium  
Einfassung: Stahlblech  
Einputzeinfassung: Aluminiumprofil  
Halter: verzinktes Stahlblech  
**Oberflächenveredelung**  
Trim: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Bis +25 °C

### FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli (PRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium anodisé poli  
Moulure: tôle d'acier  
Collerette à plâtrer: aluminium profilé  
Supports: tôle d'acier zinguée  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
Jusqu'à +25 °C

### SK

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený reflektor (PRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Těleso: ocelový plech  
Reflektor: leštený anodizovaný hliník  
Obruč: ocelový plech  
Obruč do sadrokartónu: hliníkový profil  
Držáky: pozinkovaný ocelový plech  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Service life**  
50,000 hodín/L80  
**Teplota okolia**  
Do +25 °C

### ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido (PRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio anodizado pulido  
Reborde: lámina de acero  
Aro para empotrar en yeso: perfi de aluminio  
Soportes: lámina de acero galvanizada  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Hasta +25 °C

### IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido (PRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio anodizzato lucido  
Profilo: lamina d'acciaio  
Profilo in cartongesso: profilo in alluminio  
Supporti: lamina d'acciaio zincato  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
fino a +25 °C

### RU

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный отражатель (PRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь  
Отражатель: шлифованный анодированный алюминий  
Накладка: листовая сталь  
Гипсокартонная накладка: алюминиевый профиль  
Крепления: листовая оцинкованная сталь  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
До +25 °C

A revolutionary way to generate high quality light by combining red and unsaturated yellow LEDs.



Cree TrueWhite® is a revolutionary way to generate efficient high quality light by combining red and unsaturated yellow LEDs. The result is a pleasant warm white and highly effective light that has excellent colour rendition of CRI ≥90 and guaranteed colour consistency throughout the entire lifetime of the product. Perfect for use in offices, representative areas, and for retail and presentation application, this technology brings the purity of daylight indoors.





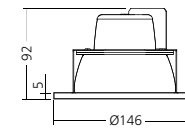
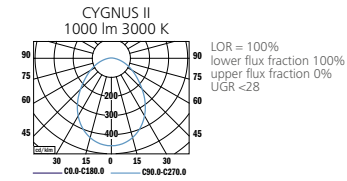
# CYGNUS II

OPAL  
LED

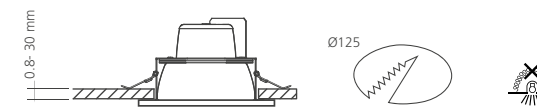


# Cygnus II

## PHOTOMETRY



## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CYGNUS II	1000	15	69	90+	3000	90°	0.6
CYGNUS II	1000	15	69	90+	4000	90	0.6

Luminous flux tolerance +/- 10%



DOWNLIGHTS

**EN**  
**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Opal diffuser (OPD)  
**Wiring**  
Electronic control gear TRIAC (EDT)  
**Materials**  
Housing: sheet steel  
Reflector: injected polycarbonate  
Diffuser: opal PMMA  
Trim: sheet steel  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
Up to + 25 °C

**DE**  
**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Opaler Diffusor (OPD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät TRIAC (EDT)  
**Material**  
Körper: Stahlblech  
Reflektor: Spritzguss-Polykarbonat  
Diffusor: Opal PMMA  
Einfassung: Stahlblech  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Bis + 25 °C

**FR**  
**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale (OPD)  
**Équipement électrique**  
Ballast électronique TRIAC (EDT)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: polycarbonate injecté  
Diffuseur: PMMA opale  
Moulure: tôle d'acier  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
Jusqu'à + 25 °C

**SK**  
**Montáž**  
Vsadené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový difúzor (OPD)  
**Elektrická výbava**  
Elektronický predradník TRIAC (EDT)  
**Material**  
Těleso: ocelový plech  
Reflektor: vstrekovaný polykarbonát  
Difuzor: opálový PMMA  
Obruč: ocelový plech  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Do + 25 °C

**ES**  
**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor ópalo (OPD)  
**Cableado**  
Equipo de control electrónico TRIAC (EDT)  
**Material**  
Cuerpo: lámina de acero  
Reflector: policarbonato inyectado  
Difusor: ópalo de PMMA  
Reborde: lámina de acero  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Hasta + 25 °C

**IT**  
**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale (OPD)  
**Cablaggio**  
Ballast elettronico TRIAC (EDT)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: policarbonato a iniezione  
Diffusore: PMMA opale  
Profilo: lamina d'acciaio  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
fino a + 25 °C

**RU**  
**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Матовый рассеиватель (OPD)  
**Электрическое оснащение**  
Электронный аппарат TRIAC (EDT)  
**Материал**  
Корпус: листовая сталь  
Отражатель: инжестрированный поликарбонат  
Рассеиватель: матовый полиметилметакрилат  
Накладка: листовая сталь  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
До +25 °C

A revolutionary way to generate high quality light by combining red and unsaturated yellow LEDs.



Cree TrueWhite® is a revolutionary way to generate efficient high quality light by combining red and unsaturated yellow LEDs. The result is a pleasant warm white and highly effective light that has excellent colour rendition of CRI ≥90 and guaranteed colour consistency throughout the entire lifetime of the product. Perfect for use in offices, representative areas, and for retail and presentation application, this technology brings the purity of daylight indoors.



NEW

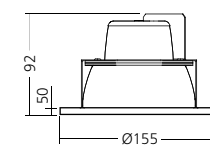
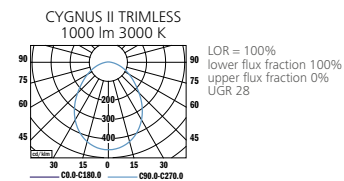
## CYGNUS II TRIMLESS

OPAL  
LED

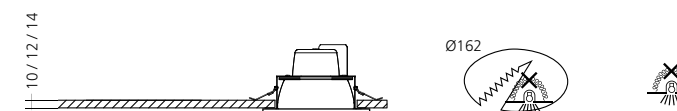
LED



## PHOTOMETRY



## MOUNTING



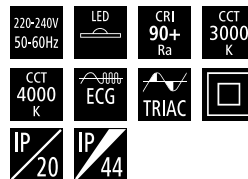
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CYGNUS II TRIMLESS	1000	15	69	90+	3000	90°	0.6
CYGNUS II TRIMLESS	1000	15	69	90+	4000	90	0.6

Luminous flux tolerance +/- 10%



DOWNLIGHTS

## Cygnus II Trimless



## EN

**Mounting**  
Ceiling recessed

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear TRIAC (EDT)

**Materials**  
Housing: sheet steel  
Reflector: injected polycarbonate  
Diffuser: opal PMMA  
Trim: sheet steel  
Plasterboard trim: aluminium profile

**Surface finish**  
Trim: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
Up to +25 °C

## DE

**Montage**  
Einbauleuchte

**Lichtquelle**  
LED

**Optisches System**  
Opaler Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät TRIAC (EDT)

**Material**  
Körper: Stahlblech  
Reflektor: Spritzguss-Polykarbonat  
Diffusor: Opal PMMA  
Einfassung: Stahlblech  
Einputzeinfassung: Aluminiumprofil

**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Bis +25 °C

## FR

**Montage**  
Plafonnier encastrable

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique TRIAC (EDT)

**Matériels**  
Corps: tôle d'acier  
Réflecteur: polycarbonate injecté  
Diffuseur: PMMA opale  
Moulure: tôle d'acier  
Collerette à plâtrer: aluminium profilé

**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
Jusqu'à +25 °C

## SK

**Montáž**  
Vsadené

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník TRIAC (EDT)

**Material**  
Teleso: oceľový plech  
Reflektor: vstrekovaný polykarbonát  
Difúzor: opálový PMMA  
Obruč: oceľový plech  
Obruč do sadrokartónu: hliníkový profil

**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Do +25 °C

## ES

**Montaje**  
Empotradas en el techo

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico TRIAC (EDT)

**Material**  
Cuerpo: lámina de acero  
Reflector: policarbonato inyectado  
Difusor: ópalo de PMMA  
Reborde: lámina de acero  
Aro para empotrar en yeso: perfi de aluminio

**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Hasta +25 °C

## IT

**Installazione**  
Ad incasso a soffitto

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico TRIAC (EDT)

**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: polycarbonato a iniezione  
Diffusore: PMMA opale  
Profilo: lamina d'acciaio  
Profilo in cartongesso: profilo in alluminio

**Finitura**  
Profilo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
fino a +25 °C

## RU

**Установка**  
Потолочная встраиваемая

**Источник света**  
LED

**Оптическая система**  
Матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат TRIAC (EDT)

**Материал**  
Корпус: листовая сталь  
Отражатель: инжектированный поликарбонат  
Рассеиватель: матовый полиметилметакрилат  
Накладка: листовая сталь  
Гипсокартонная накладка: алюминиевый профиль

**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
До +25 °C

A revolutionary way to generate high quality light by combining red and unsaturated yellow LEDs.

**CREE**  
TRUE WHITE  
TECHNOLOGY

Cree TrueWhite® is a revolutionary way to generate efficient high quality light by combining red and unsaturated yellow LEDs. The result is a pleasant warm white and highly effective light that has excellent colour rendition of CRI ≥90 and guaranteed colour consistency throughout the entire lifetime of the product. Perfect for use in offices, representative areas, and for retail and presentation application, this technology brings the purity of daylight indoors.





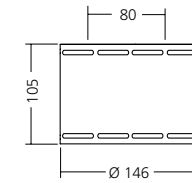
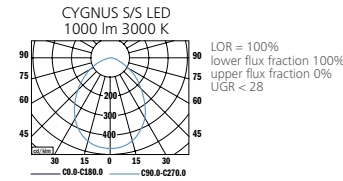
CYGNUS SURFACED / SUSPENDED

OPAL  
LED

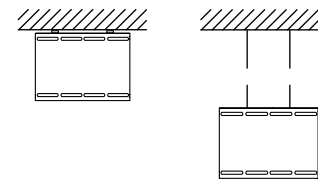


# Cygnus Surfaced / Suspended

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CYGNUS SUSPENDED / SURFACED	1000	15	69	90+	3000	90°	1.1
CYGNUS SUSPENDED / SURFACED	1000	15	69	90+	4000	90°	1.1

Luminous flux tolerance +/- 10%



SURFACED



SUSPENDED



SUS 1.35 C0/009 SUSPENSION 09



DOWNLIGHTS



220-240V  
50-60Hz

LED

CRI 90+  
Ra

CCT 3000  
K

CCT 4000  
K

ECG

TRIAC

IP 20

EN

**Mounting**  
Surfaced/Suspended (SSx)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear TRIAC (EDT)

**Materials**  
Housing: extruded aluminium  
Reflector: injected polycarbonate  
Diffuser: opal PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Rope suspension

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
Up to +25 °C

DE

**Montage**  
Deckenleuchte/Hängend (SSx)

**Lichtquelle**  
LED

**Optisches System**  
Opaler Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät TRIAC (EDT)

**Material**  
Körper: extrudiertes Aluminium  
Reflektor: Spritzguss-Polykarbonat  
Diffusor: Opal PMMA

**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)

**Zubehör**  
Seilabhängung

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Bis +25 °C

FR

**Montage**  
Plafonnier apparent/Suspendu (SSx)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique TRIAC (EDT)

**Matériels**  
Corps: extrudé en aluminium  
Réflecteur: polycarbonate injecté  
Diffuseur: opale PMMA

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Câble de suspension

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
Jusqu'à +25 °C

SK

**Montáž**  
Prisadené/Závesné (SSx)

**Svetelný zdroj**  
LED

**Optický systém**  
Opálový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník TRIAC (EDT)

**Material**  
Teleso: extrudovaný hliník  
Reflektor: vstrekovaný polykarbonát  
Difúzor: opálový PMMA

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Lankový záves

**Service životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Do +25 °C

ES

**Montaje**  
Sobrepuestas en el techo/Suspendidas (SSx)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico TRIAC (EDT)

**Material**  
Cuerpo: aluminio extruido  
Reflector: policarbonato inyectado  
Difusor: ópalo de PMMA

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Cable de suspensión

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Hasta +25 °C

IT

**Installazione**  
A plafone/A sospensione (SSx)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico TRIAC (EDT)

**Materiali**  
Corpo: estruso di alluminio  
Riflettore: polycarbonato a iniezione  
Diffusore: PMMA opale

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Cavo di sospensione

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
fino a +25 °C

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)

**Источник света**  
LED

**Оптическая система**  
Матовый рассеиватель (OPD)

**Электрическое оснащение**  
Электронный аппарат TRIAC (EDT)

**Материал**  
Корпус: экструдированный алюминий  
Отражатель: инжектированный поликарбонат  
Рассеиватель: матовый полиметилметакрилат

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Тросовый подвес

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
До +25 °C

SPECIFICATION MATRIX

CYGNUS  
system efficacy  
up to 69 lm/W

CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
80+Ra	3000 K	ECG FIX	84°	RECESSED	S/S up to 1000 lm
90+Ra	4000 K	TRIAC	90°	SURFACED	DECOR up to 650 lm
	2700 K			SUSPENDED	
	5000 K				
	6500 K				

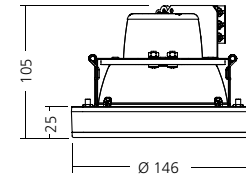
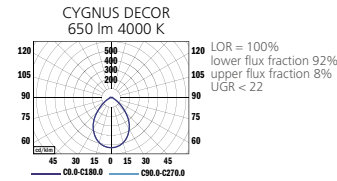


CYGNUS DECOR

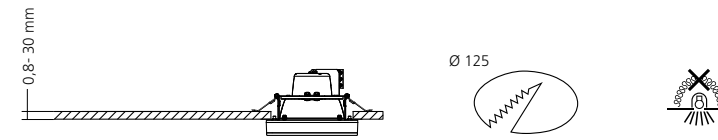
OPAL  
LED



PHOTOMETRY



MOUNTING



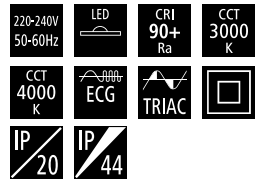
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CYGNUS DECOR	650	15	43	90+	3000	84°	0.7
CYGNUS DECOR	650	15	43	90+	4000	84°	0.7

Luminous flux tolerance +/- 10%



DOWNLIGHTS

# Cygnus Decor



EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Opal diffuser (OPD)  
**Wiring**  
Electronic control gear TRIAC (EDT)  
**Materials**  
Housing: sheet steel  
Reflector: injected polycarbonate  
Diffuser: opal PMMA  
Trim: sheet steel  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
Up to +25 °C

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Opaler Diffusor (OPD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät TRIAC (EDT)  
**Material**  
Körper: Stahlblech  
Reflektor: Spritzguss-Polykarbonat  
Diffusor: Opal PMMA  
Einfassung: Stahlblech  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Bis +25 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale (OPD)  
**Équipement électrique**  
Ballast électronique TRIAC (EDT)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: polycarbonate injecté  
Diffusor: opal PMMA  
Moulure: tôle d'acier  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
Jusqu'à +25 °C

SK

**Montáž**  
Vsadené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový difúzor (OPD)  
**Elektrická výbava**  
Elektronický predradník TRIAC (EDT)  
**Material**  
Těleso: ocelový plech  
Reflektor: vstrekovaný polykarbonát  
Difúzor: opálový PMMA  
Obruč: ocelový plech  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Do +25 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor ópalo (OPD)  
**Cableado**  
Equipo de control electrónico TRIAC (EDT)  
**Material**  
Cuerpo: lámina de acero  
Reflector: policarbonato inyectado  
Difusor: ópalo de PMMA  
Reborde: lámina de acero  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Hasta +25 °C

IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale (OPD)  
**Cablaggio**  
Ballast elettronico TRIAC (EDT)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: polycarbonato a iniezione  
Diffusore: PMMA opale  
Profilo: lamina d'acciaio  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
fino a +25 °C

RU

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Матовый рассеиватель (OPD)  
**Электрическое оснащение**  
Электронный аппарат TRIAC (EDT)  
**Материал**  
Корпус: листовая сталь  
Отражатель: инжектированный поликарбонат  
Рассеиватель: матовый полиметилметакрилат  
Накладка: листовая сталь  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
До +25 °C

SPECIFICATION MATRIX

CYGNUS system efficacy up to 69 lm/W

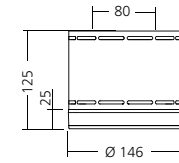
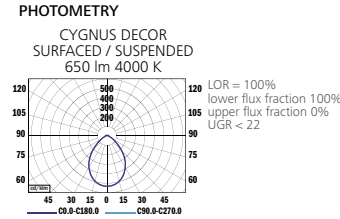
CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
80+Ra	3000 K	ECG FIX	84°	RECESSED	S/S up to 1000 lm
90+Ra	4000 K	TRIAC	90°	SURFACED	DECOR up to 650 lm
	2700 K			SUSPENDED	
	5000 K				
	6500 K				



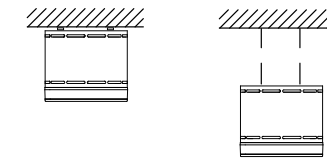


CYGNUS DECOR SURFACED / SUSPENDED

OPAL  
LED



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CYGNUS DECOR S /S	650	15	43	90+	3000	84°	1.3
CYGNUS DECOR S /S	650	15	43	90+	4000	84°	1.3

Luminous flux tolerance +/- 10%



SUSPENDED



SUS 1.35 C0/009 SUSPENSION 09



DOWNLIGHTS

# Cygnus Decor Surfaced / Suspended



220-240V 50-60Hz  
LED  
CCT 4000 K  
ECG  
TRIAC  
CCT 3000 K  
CCT 90+ Ra  
IP 20

EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Opal diffuser (OPD)  
**Wiring**  
Electronic control gear TRIAC (EDT)  
**Materials**  
Housing: extruded aluminium  
Reflector: injected polycarbonate  
Diffuser: opal PMMA  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
Up to +25 °C

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Opaler Diffusor (OPD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät TRIAC (EDT)  
**Material**  
Körper: extrudiertes Aluminium  
Reflektor: Spritzguss-Polykarbonat  
Diffusor: Opal PMMA  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Zubehör**  
Seilabhängung  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Bis +25 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur opale (OPD)  
**Équipement électrique**  
Ballast électronique TRIAC (EDT)  
**Matériels**  
Corps: aluminium extrudé  
Réflecteur: polycarbonate injecté  
Diffusor: opal PMMA  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
Jusqu'à +25 °C

SK

**Montáž**  
Vsadené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Opálový difúzor (OPD)  
**Elektrická výbava**  
Elektronický predradník TRIAC (EDT)  
**Material**  
Teleso: extrudovaný hliník  
Reflektor: vstrekovaný polykarbonát  
Difúzor: opálový PMMA  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Do +25 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor ópalo (OPD)  
**Cableado**  
Equipo de control electrónico TRIAC (EDT)  
**Material**  
Cuerpo: aluminio extruido  
Reflector: policarbonato inyectado  
Difusor: ópalo de PMMA  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Hasta +25 °C

IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore opale (OPD)  
**Cablaggio**  
Ballast elettronico TRIAC (EDT)  
**Materiali**  
Corpo: estruso di alluminio  
Riflettore: polycarbonato a iniezione  
Diffusore: PMMA opale  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
fino a +25 °C

RU

**Установка**  
Потолочная встраиваемая  
**Источник света**  
LED  
**Оптическая система**  
Матовый рассеиватель (OPD)  
**Электрическое оснащение**  
Электронный аппарат TRIAC (EDT)  
**Материал**  
Корпус: экструдированный алюминий  
Отражатель: инжектированный поликарбонат  
Рассеиватель: матовый полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
До +25 °C

SPECIFICATION MATRIX

CYGNUS system efficacy up to 69 lm/W

CRI 80+Ra	CCT 3000 K	ECG ECG FIX	BEAM ANGLE 84° 90°	MOUNTING RECESSED SURFACED SUSPENDED	TYPE S/S up to 1000 lm DECOR up to 650 lm
CRI 90+Ra	CCT 4000 K 2700 K 5000 K 6500 K	ECG TRIAC			







Zipar Track



**ZIPAR**  
SPECIFICATION MATRIX

				Application	Light distribution	Reflector	IP	STANDARD			ON REQUEST	
ZIPAR UNO / DUO / TRIO / QAUTRO-S RECESSED								CRI	CCT	ECG	CRI	CCT
UNO	DUO	TRIO	QUATRO-S					CRI 80+ Ra	CCT 3000 K CCT 4000 K	ECG ECG DALI	CRI 90+ Ra	CCT 5000 K CCT 6500 K CCT 2700 K
ZIPAR UNO / DUO / TRIO / QUATRO-S SUSPENDED												
UNO	DUO	TRIO	QUATRO-S					CRI 80+ Ra	CCT 3000 K CCT 4000 K	ECG ECG DALI	CRI 90+ Ra	CCT 5000 K CCT 6500 K CCT 2700 K
ZIPAR SUSPENDED		ZIPAR SURFACED	ZIPAR TRIO SURFACED									
SUSPENDED	SURFACED	TRIO SURFACED						CRI 80+ Ra	CCT 3000 K CCT 4000 K	ECG ECG DALI	CRI 90+ Ra	CCT 5000 K CCT 6500 K CCT 2700 K
ZIPAR MOVABLE		ZIPAR ADJUSTABLE	ZIPAR TRACK									
MOVABLE	ADJUSTABLE	TRACK						CRI 80+ Ra	CCT 3000 K CCT 4000 K	ECG ECG DALI	CRI 90+ Ra	CCT 5000 K CCT 6500 K CCT 2700 K

TRACKLIGHTS AND SPOTLIGHTS

NEW

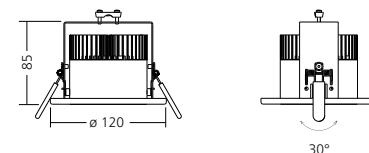
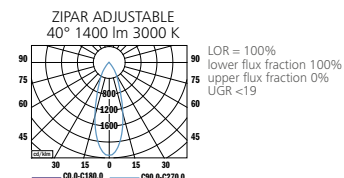
ZIPAR ADJUSTABLE

FACET LED

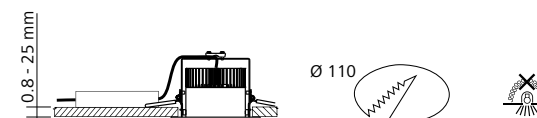
FASTRUNNER



PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR ADJUSTABLE	1100	11	95	80+	3000	8°	0.8
ZIPAR ADJUSTABLE	1150	11	100	80+	4000	8°	0.8
ZIPAR ADJUSTABLE	1400	12	117	80+	3000	24°/40°	0.5
ZIPAR ADJUSTABLE	1450	12	121	80+	4000	24°/40°	0.5
ZIPAR ADJUSTABLE	2450	21	117	80+	3000	24°/40°	0.5
ZIPAR ADJUSTABLE	2750	23	120	80+	4000	24°/40°	0.5
ZIPAR ADJUSTABLE	3500	33	106	80+	3000	24°/40°	0.5
ZIPAR ADJUSTABLE	3650	33	111	80+	4000	24°/40°	0.5

Luminous flux tolerance +/- 10%

SK

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: oceľový plech + extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodin/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
8° od -20 °C do +30 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero + aluminio extruido  
Reflector: aluminio anodizado facetado  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
8° desde -20 °C a +30 °C

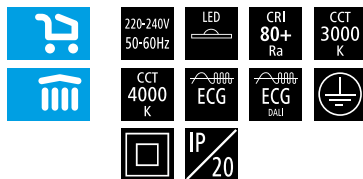
IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio + estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
8° da -20 °C a +30 °C

RU

**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь + экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
8° от -20 °C до +30 °C

# Zipar Adjustable



EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel + extruded aluminium  
Reflector: facet anodised aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
8° from -20 °C to +30 °C

DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech + extrudiertes Aluminium  
Reflektor: facetiertes eloxiertes Aluminium  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
8° von -20 °C bis +30 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier + aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
8° de -20 °C à +30 °C

SPECIFICATION MATRIX

ZIPAR system efficacy up to 138 lm/W

CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
80+Ra	3000 K	ECG FIX	8°	TRACK SYSTEM	UNO up to 3650 lm
90+Ra	4000 K	ECG DALI	24°	RECESSED	DUO up to 5500 lm
	2700 K		40°	SURFACED	TRIO up to 8250 lm
	5000 K			SUSPENDED	QUATRO-S up to 9000 lm
	6500 K				





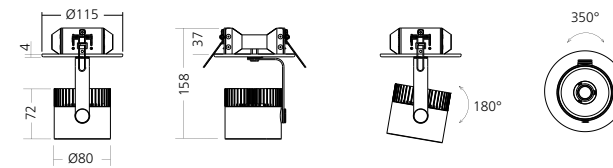
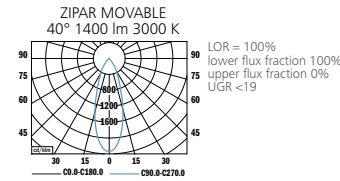
**ZIPAR MOVABLE**

FACET  
LED

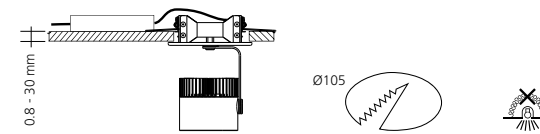


# Zipar Movable

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR MOVABLE	1100	13	85	80+	3000	8°	0.8
ZIPAR MOVABLE	1150	13	88	80+	4000	8°	0.8
ZIPAR MOVABLE	1400	12	117	80+	3000	24°/40°	0.8
ZIPAR MOVABLE	1450	12	121	80+	4000	24°/40°	0.8
ZIPAR MOVABLE	2450	21	117	80+	3000	24°/40°	0.8
ZIPAR MOVABLE	2750	23	120	80+	4000	24°/40°	0.8
ZIPAR MOVABLE	3500	33	106	80+	4000	24°/40°	0.8
ZIPAR MOVABLE	3650	33	111	80+	4000	24°/40°	0.8

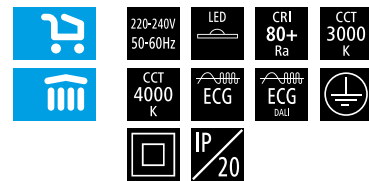
Luminous flux tolerance +/- 10%



8° FRE



40° FRE



**EN**

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel + extruded aluminium  
Reflector: facet anodised aluminium  
Tilting mechanism: steel  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C  
8° from -20 °C to +30 °C

**DE**

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech + extrudiertes Aluminium  
Reflektor: facetiertes eloxiertes Aluminium  
Kippmechanismus: Stahl  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C  
8° von -20 °C bis +30 °C

**FR**

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier + aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
Mécanisme d'inclinaison: tôle d'acier  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C  
8° de -20 °C à +30 °C

**SK**

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Těleso: ocelový plech + extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
Polohovateľný mechanizmus: oceľ  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Service životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C  
8° od -20 °C do +30 °C

**ES**

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero + aluminio extruido  
Reflector: aluminio anodizado facetado  
Mecanismo de inclinación: acero  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C  
8° desde -20 °C a +30 °C

**IT**

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio + estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
Meccanismo di inclinazione: in lamina d'acciaio  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C  
8° da -20 °C a +30 °C

**RU**

**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь + экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
Поворотный механизм: листовая сталь  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C  
8° от -20 °C до +30 °C

**SPECIFICATION MATRIX**

ZIPAR system efficacy up to 138 lm/W

CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
80+Ra	3000 K	ECG FIX	8°	TRACK SYSTEM	UNO up to 3650 lm
90+Ra	4000 K	ECG DALI	24°	RECESSED	DUO up to 5500 lm
	2700 K		40°	SURFACED	TRIO up to 8250 lm
	5000 K			SUSPENDED	QUATRO-S up to 9000 lm
	6500 K				



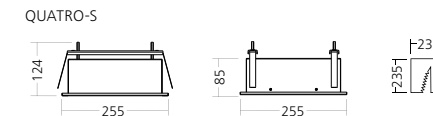
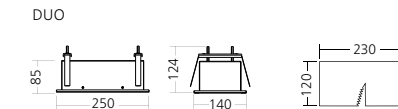
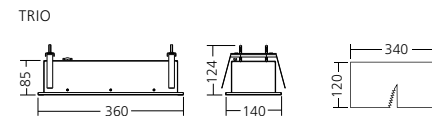
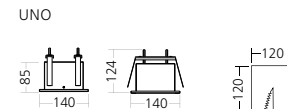
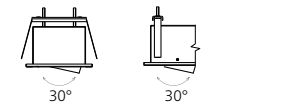
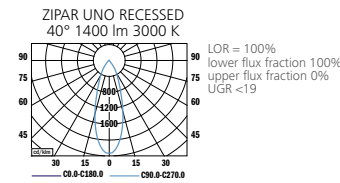
ZIPAR UNO / DUO / TRIO / QUATRO-S RECESSED

FACET LED

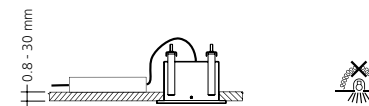


# Zipar Uno / Duo / Trio / Quatro-S Recessed

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR UNO RECESSED	1400	12	117	80+	3000	24°/40°	1.2
ZIPAR UNO RECESSED	1450	12	121	80+	4000	24°/40°	1.2
ZIPAR DUO RECESSED	2800	21	133	80+	3000	24°/40°	2.0
ZIPAR DUO RECESSED	2900	21	138	80+	4000	24°/40°	2.0
ZIPAR TRIO RECESSED	4200	32	131	80+	3000	24°/40°	2.6
ZIPAR TRIO RECESSED	4350	32	136	80+	4000	24°/40°	2.6
ZIPAR QUATRO-S RECESSED	5700	45	127	80+	3000	24°/40°	3.0
ZIPAR QUATRO-S RECESSED	5900	45	131	80+	4000	24°/40°	3.0

Luminous flux tolerance +/- 10%



UNO



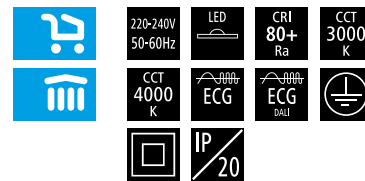
DUO



TRIO



QUATRO-S



EN

**Mounting**  
Ceiling recessed (RCB)  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel + extruded aluminium  
Reflector: facet anodised aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Einbauleuchte (RCB)  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech + extrudiertes Aluminium  
Reflektor: facetiertes eloxiertes Aluminium  
**Oberflächenveredelung**  
Körper: weiß RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable (RCB)  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier + aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Vsadené (RCB)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: oceľový plech + extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo (RCB)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero + aluminio extruido  
Reflector: aluminio anodizado facetado  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
Ad incasso a soffitto (RCB)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio + estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная встроенная (RCB)  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь + экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI			
ZIPAR system efficacy up to 138 lm/W				8°	TRACK SYSTEM	UNO up to 3650 lm
				24°	RECESSED	DUO up to 5500 lm
				40°	SURFACED	TRIO up to 8250 lm
					SUSPENDED	QUATRO-S up to 9000 lm





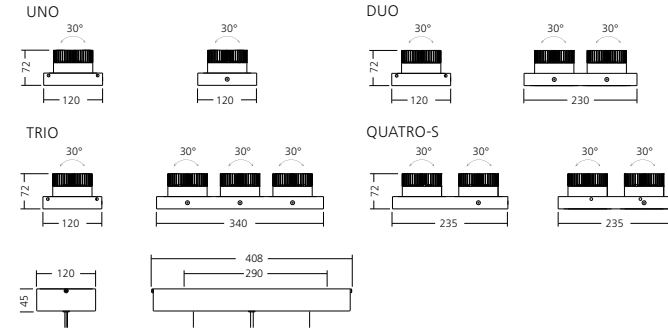
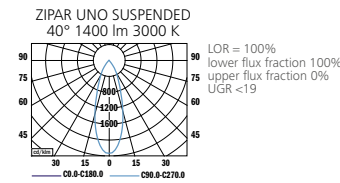
ZIPAR UNO / DUO / TRIO / QUATRO-S SUSPENDED

FACET LED

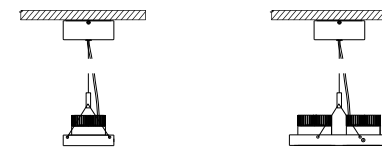


# Zipar Uno / Duo / Trio / Quatro-S Suspended

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR UNO SUSPENDED	1400	12	117	80+	3000	24°/40°	1.5
ZIPAR UNO SUSPENDED	1450	12	121	80+	4000	24°/40°	1.5
ZIPAR UNO SUSPENDED	2450	21	117	80+	3000	24°/40°	1.5
ZIPAR UNO SUSPENDED	2750	23	120	80+	4000	24°/40°	1.5
ZIPAR DUO SUSPENDED	2800	21	133	80+	3000	24°/40°	2.4
ZIPAR DUO SUSPENDED	2900	21	138	80+	4000	24°/40°	2.4
ZIPAR DUO SUSPENDED	4900	39	126	80+	3000	24°/40°	2.4
ZIPAR DUO SUSPENDED	5500	43	128	80+	4000	24°/40°	2.4
ZIPAR TRIO SUSPENDED	4200	32	131	80+	3000	24°/40°	2.5
ZIPAR TRIO SUSPENDED	4350	32	136	80+	4000	24°/40°	2.5
ZIPAR TRIO SUSPENDED	7350	57	129	80+	3000	24°/40°	2.5
ZIPAR TRIO SUSPENDED	8250	63	131	80+	4000	24°/40°	2.5
ZIPAR QUATRO-S SUSPENDED	5700	45	127	80+	3000	24°/40°	3.9
ZIPAR QUATRO-S SUSPENDED	5900	45	131	80+	4000	24°/40°	3.9
ZIPAR QUATRO-S SUSPENDED	8700	73	119	80+	3000	24°/40°	3.9
ZIPAR QUATRO-S SUSPENDED	9000	73	123	80+	4000	24°/40°	3.9

Luminous flux tolerance +/- 10%



UNO



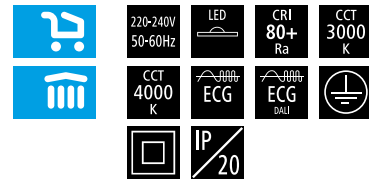
DUO



TRIO



QUATRO-S



EN

**Mounting**  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Gearbox: sheet steel  
Reflector: facet anodised aluminium  
Frame: extruded aluminium  
Rope suspension  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Hängend (SSD)  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Vorschaltbox: Stahlblech  
Reflektor: facetiertes eloxiertes Aluminium  
Rahmen: extrudiertes Aluminium  
Seilabhängung  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Boîte de vitesse: tôle d'acier  
Réflecteur: aluminium à l'aspect anodisé  
Cadre: aluminium extrudé  
Câble de suspension  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Závěsné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Box na predradník: oceľový plech  
Reflektor: anodizovaný fazetový hliník  
Rám: extrudovaný hliník  
Lankový záves  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Caja de cambio: lámina de acero  
Reflector: aluminio anodizado facetado  
Marco: aluminio extruido  
Cable de suspensión  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Box alimentatore: lamina d'acciaio  
Riflettore: alluminio anodizzato sfaccettato  
Cornice: alluminio estruso  
Cavo di sospensione  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Подвесная (SSD)  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Отсек ПРА: листовая сталь  
Отражатель: рифленый анодированный алюминий  
Каркас: экструдированный алюминий  
Тросовый подвес  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX

ZIPAR system efficacy up to 138 lm/W

CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
80+Ra	3000 K	ECG FIX	8°	TRACK SYSTEM	UNO up to 3650 lm
90+Ra	4000 K	ECG DALI	24°	RECESSED	DUO up to 5500 lm
	2700 K		40°	SURFACED	TRIO up to 8250 lm
	5000 K			SUSPENDED	QUATRO-S up to 9000 lm
	6500 K				

ZIPAR ADJUSTABLE 228 ZIPAR MOVABLE 230 ZIPAR UNO/DUO/TRIO/QUATRO-S RECESSED 232 ZIPAR UNO/DUO/TRIO/QUATRO-S SUSPENDED 234 ZIPAR TRIO SURFACED 236 ZIPAR SURFACED 238 ZIPAR SUSPENDED 240 ZIPAR TRACK 244



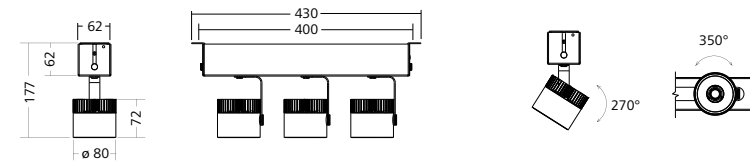
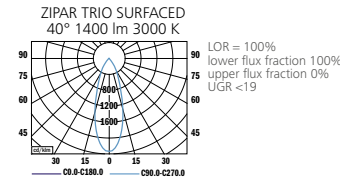
# ZIPAR TRIO SURFACED

FACET  
LED

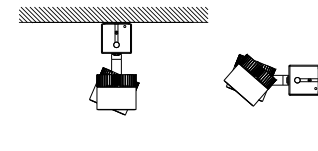


# Zipar Trio Surfaceted

## PHOTOMETRY



## MOUNTING

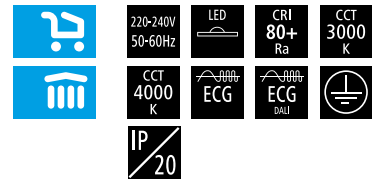


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR TRIO SUSPENDED	4200	32	131	80+	3000	24°/40°	2.3
ZIPAR TRIO SUSPENDED	4350	32	136	80+	4000	24°/40°	2.3

Luminous flux tolerance +/- 10%



TRACKLIGHTS AND SPOTLIGHTS



### EN

**Mounting**  
Surfaceted (SFD)  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel+extruded aluminium  
Reflector: facet anodised aluminium  
Tilting mechanism: steel  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

### DE

**Montage**  
Plafonnier apparent (SFD)  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech+extrudiertes Aluminium  
Reflektor: facettiertes eloxiertes Aluminium  
Kippmechanismus: Stahl  
**Oberflächenveredelung**  
Körper: weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

### FR

**Montage**  
Plasdené (SFD)  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier+aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
Mécanisme d'inclinaison: acier  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

### SK

**Montáž**  
Prisadené (SFD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: oceľový plech+extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
Pohovateľný mechanizmus: oceľ  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

### ES

**Montaje**  
Sobrepuestas en el techo (SFD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero+aluminio extrudido  
Reflector: aluminio anodizado facetado  
Mecanismo de inclinación: acero  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

### IT

**Installazione**  
A plafone (SFD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio+estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
Meccanismo di inclinazione: in lamina d'acciaio  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

### RU

**Установка**  
Потолочная накладная (SFD)  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Material**  
Корпус: листовая сталь+экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
Поворотный механизм: листовая сталь  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

ZIPAR system efficacy up to 138 lm/W

CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
80+Ra	3000 K	ECG FIX	8°	TRACK SYSTEM	UNO up to 3650 lm
90+Ra	4000 K	ECG DALI	24°	RECESSED	DUO up to 5500 lm
	2700 K		40°	SURFACED	TRIO up to 8250 lm
	5000 K			SUSPENDED	QUATRO-S up to 9000 lm
	6500 K				

ZIPAR ADJUSTABLE 228 | ZIPAR MOVABLE 230 | ZIPAR UNO/DUO/TRIO/QUATRO-S RECESSED 232 | ZIPAR UNO/DUO/TRIO/QUATRO-S SUSPENDED 234 | ZIPAR TRIO SURFACED 236 | ZIPAR SURFACED 238 | ZIPAR SUSPENDED 240 | ZIPAR TRACK 244





NEW

ZIPAR SURFACED

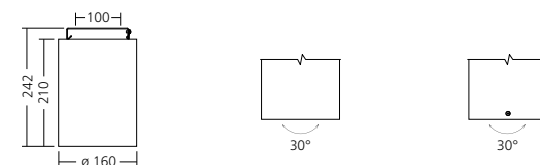
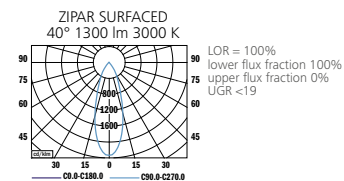
FACET

LED

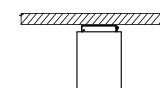


# Zipar Surfacéd

## PHOTOMETRY



## MOUNTING

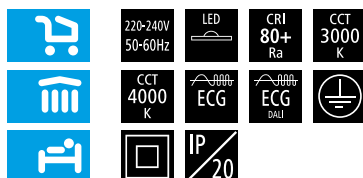


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR SURFACED	1400	12	117	80+	3000	24°/40°	2.6
ZIPAR SURFACED	1450	12	121	80+	4000	24°/40°	2.6
ZIPAR SURFACED	2450	21	117	80+	3000	24°/40°	2.6
ZIPAR SURFACED	2750	23	120	80+	4000	24°/40°	2.6
ZIPAR SURFACED	3500	33	106	80+	3000	24°/40°	2.6
ZIPAR SURFACED	3650	33	111	80+	4000	24°/40°	2.6

Luminous flux tolerance +/- 10%



TRACKLIGHTS AND SPOTLIGHTS



### EN

**Mounting**  
Ceiling surfaced (SFD)

**Light source**  
LED

**Optical system**  
Facet reflector (FRE)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: extruded aluminium  
Reflector: facet anodised aluminium  
Top cover: sheet steel

**Surface finish**  
Housing: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

### DE

**Montage**  
Deckenleuchte (SFD)

**Lichtquelle**  
LED

**Optisches System**  
Facettierter Reflektor (FRE)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: extrudiertes Aluminium  
Reflektor: facettiertes eloxiertes Aluminium  
Obere Abdeckung: Stahlblech

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

### FR

**Montage**  
Plafonnier apparent (SFD)

**Source lumineuse**  
LED

**Système optique**  
Facetté réflecteur (FRE)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
Couvercle supérieur: tôle d'acier

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

### SK

**Montáž**  
Prisadené (SFD)

**Svetelný zdroj**  
LED

**Optický systém**  
Fazetový reflektor (FRE)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Těleso: extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
Vrchný kryt: oceľový plech

**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)

**Service life**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

### ES

**Montaje**  
Sobrepuestas en el techo (SFD)

**Fuente luminosa**  
LED

**Sistema óptico**  
Reflector facetado (FRE)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: aluminio extruido  
Reflector: aluminio anodizado facetado  
Cubierta superior: lámina de acero

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

### IT

**Installazione**  
A plafone (SFD)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore sfaccettato (FRE)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
Copertura superiore: lamina d'acciaio

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

### RU

**Установка**  
Потолочная накладная (SFD)

**Источник света**  
LED

**Оптическая система**  
Рифленый отражатель (FRE)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
Верхний крышка: листовая сталь

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

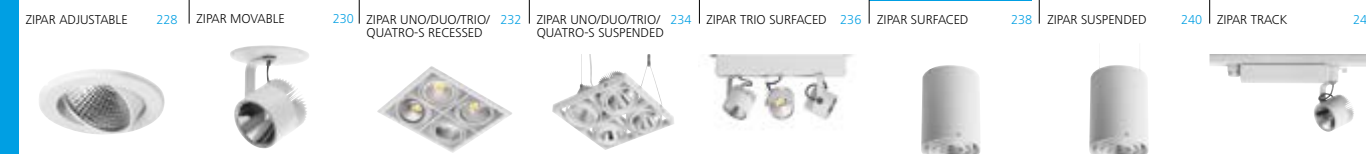
## SPECIFICATION MATRIX

ZIPAR system efficacy up to 138 lm/W

CRI	CCT	ECG
80+Ra	3000 K	ECG FIX
90+Ra	4000 K	ECG DALI
	2700 K	
	5000 K	
	6500 K	

BEAM ANGLE
8°
24°
40°

MOUNTING	TYPE
TRACK SYSTEM	UNO up to 3650 lm
RECESSED	DUO up to 5500 lm
SURFACED	TRIO up to 8250 lm
SUSPENDED	QUATRO-S up to 9000 lm



NEW

ZIPAR SUSPENDED

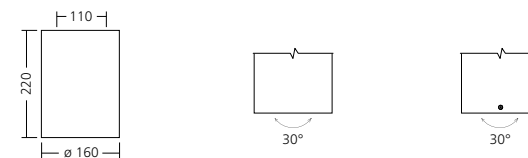
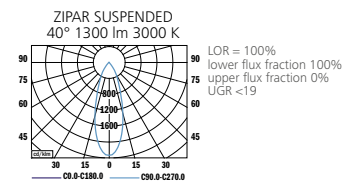
FACET

LED

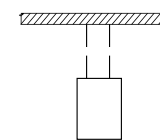


# Zipar Suspended

## PHOTOMETRY



## MOUNTING

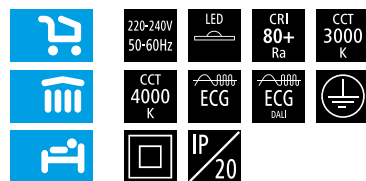


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR SUSPENDED	1400	12	117	80+	3000	24°/40°	2.5
ZIPAR SUSPENDED	1450	12	121	80+	4000	24°/40°	2.5
ZIPAR SUSPENDED	2450	21	117	80+	3000	24°/40°	2.5
ZIPAR SUSPENDED	2750	23	120	80+	4000	24°/40°	2.5
ZIPAR SUSPENDED	3500	33	106	80+	3000	24°/40°	2.5
ZIPAR SUSPENDED	3650	33	111	80+	4000	24°/40°	2.5

Luminous flux tolerance +/- 10%



TRACKLIGHTS AND SPOTLIGHTS



EN

**Mounting**  
Suspended (SSD)

**Light source**  
LED

**Optical system**  
Facet reflector (FRE)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: extruded aluminium  
Reflector: facet anodised aluminium  
Top cover: sheet steel  
Rope suspension

**Surface finish**  
Housing: white RAL 9003 (W03)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Hängend (SSD)

**Lichtquelle**  
LED

**Optisches System**  
Facettierter Reflektor (FRE)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: extrudiertes Aluminium  
Reflektor: facettiertes eloxiertes Aluminium  
Obere Abdeckung: Stahlblech  
Seilaufhängung

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier Suspendu (SSD)

**Source lumineuse**  
LED

**Système optique**  
Facetté réflecteur (FRE)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
Couvercle supérieur: tôle d'acier  
Câble de suspension

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Závesné (SSD)

**Svetelný zdroj**  
LED

**Optický systém**  
Fazetový reflektor (FRE)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
Vrchný kryt: ocelový plech  
Lankový záves

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Service life**  
50,000 hodin/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Suspendidas (SSD)

**Fuente luminosa**  
LED

**Sistema óptico**  
Reflector facetado (FRE)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: aluminio extruido  
Reflector: aluminio anodizado facetado  
Cubierta superior: lámina de acero  
Cable de suspensión

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A sospensione (SSD)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore sfaccettato (FRE)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
Copertura superiore: lamina d'acciaio  
Cavo di sospensione

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Подвесная (SSD)

**Источник света**  
LED

**Оптическая система**  
Рифленый отражатель (FRE)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
Верхний крышка: листовая сталь  
Тросовый подвес

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

ZIPAR system efficacy up to 138 lm/W

CRI	CCT	ECG
80+Ra	3000 K	ECG FIX
90+Ra	4000 K	ECG DALI
	2700 K	
	5000 K	
	6500 K	

BEAM ANGLE
8°
24°
40°

MOUNTING	TYPE
TRACK SYSTEM	UNO up to 3650 lm
RECESSED	DUO up to 5500 lm
SURFACED	TRIO up to 8250 lm
SUSPENDED	QUATRO-S up to 9000 lm







Zipar Track

# ZIPAR TRACK

FACET  
LED

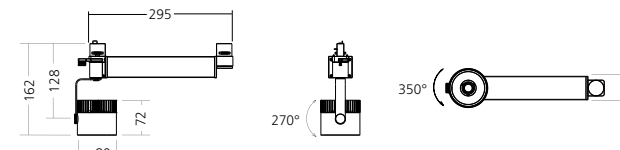
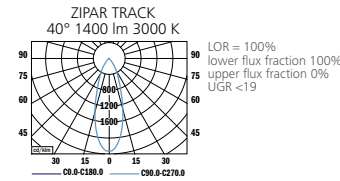
LED

FASTRUNNER

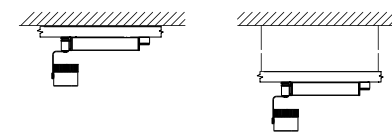


# Zipar Track

## PHOTOMETRY



## MOUNTING



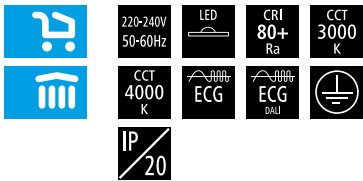
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
ZIPAR TRACK	1100	11	95	80+	3000	8°	0.8
ZIPAR TRACK	1150	11	100	80+	4000	8°	0.8
ZIPAR TRACK	1400	12	117	80+	3000	24°/40°	0.8
ZIPAR TRACK	1450	12	121	80+	4000	24°/40°	0.8
ZIPAR TRACK	2450	21	117	80+	3000	24°/40°	0.8
ZIPAR TRACK	2750	23	120	80+	4000	24°/40°	0.8
ZIPAR TRACK	3500	33	106	80+	4000	24°/40°	0.8
ZIPAR TRACK	3650	33	111	80+	4000	24°/40°	0.8

Luminous flux tolerance +/- 10%

REFLECTOR 8°



REFLECTOR 24°



EN

**Mounting**  
Suspended or ceiling surfaced lighting track system - suitable for GLOBAL Trac (TRS)

**Light source**  
LED

**Optical system**  
Facet reflector (FRE)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: die-cast aluminium + sheet steel  
Reflector: facet anodised aluminium

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Various types of connections and suspension equipment (GLOBAL Trac)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
24°/40°- From -20 °C to +35 °C  
8°- From -20 °C to +30 °C

DE

**Montage**  
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für GLOBAL Trac (TRS)

**Lichtquelle**  
LED

**Optisches System**  
Facettierter Reflektor (FRE)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Aluminiumdruckguss + Stahlblech  
Reflektor: facettiertes eloxiertes Aluminium

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Zubehör**  
Verschiedene Verbindungs- und Aufhängevorrichtungen (GLOBAL Trac)

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
24°/40°- Von -20 °C bis +35 °C  
8°- Von -20 °C bis +30 °C

FR

**Montage**  
Système d'éclairage à rail installé suspendu ou apparent - adapté au rail GLOBAL Trac (TRS)

**Source lumineuse**  
LED

**Système optique**  
Facetté réflecteur (FRE)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: aluminium moulé sous pression + tôle d'acier  
Réflecteur: aluminium à l'aspect anodisé

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Différents types de connexions et d'équipement de suspensions ( GLOBAL Trac)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
24°/40°- De -20 °C à +35 °C  
8°- De -20 °C à +30 °C

SK

**Montáž**  
Závesný alebo prísadený koľajnicový systém - určené pre GLOBAL Trac (TRS)

**Svetelný zdroj**  
LED

**Optický systém**  
Fazetový reflektor (FRE)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: hliníkový odliatok + oceľový plech  
Reflektor: anodizovaný fazetový hliník

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Rôzne typy spojok a závesov (GLOBAL Trac)

**Servicená životnosť**  
50,000 hodin/L80

**Teplota okolia**  
24°/40°- Od -20 °C do +35 °C  
8°- Od -20 °C do +30 °C

ES

**Montaje**  
Sistema riel lumínico suspendido o sobrepuesto - adecuado para GLOBAL Trac (TRS)

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector facetado (FRE)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: aluminio moldeado + lámina de acero  
Reflector: aluminio anodizado facetado

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Varios tipos de conexiones y equipos de suspensión (GLOBAL Trac)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
24°/40°- Desde -20 °C a +35 °C  
8°- Desde -20 °C a +30 °C

IT

**Installazione**  
Sistema di illuminazione a binari, a sospensione o a plafone - adatto per GLOBAL Trac (TRS)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore sfaccettato (FRE)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: pressofusione di alluminio + lamina d'acciaio  
Riflettore: alluminio anodizzato sfaccettato

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Diversi tipi connessioni e accessori per la sospensione (GLOBAL Trac)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
24°/40°- Da -20 °C a +35 °C  
8°- Da -20 °C a +30 °C

RU

**Установка**  
Подвесная или накладная потолочная трековая система освещения - подходит для GLOBAL Trac (TRS)

**Источник света**  
LED

**Оптическая система**  
Рифленый отражатель (FRE)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: литой алюминий + листовая сталь  
Отражатель: рифленый анодированный алюминий

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Разные типы соединений и подвесного оборудования (GLOBAL Trac)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
24°/40°- От -20 °C до +35 °C  
8°- От -20 °C до +30 °C

## SPECIFICATION MATRIX

ZIPAR system efficacy up to 138 lm/W

CRI	CCT	ECG	BEAM ANGLE	MOUNTING	TYPE
80+Ra	3000 K	ECG FIX	8°	TRACK SYSTEM	UNO up to 3650 lm
90+Ra	4000 K	ECG DALI	24°	RECESSED	DUO up to 5500 lm
	2700 K		40°	SURFACED	TRIO up to 8250 lm
	5000 K			SUSPENDED	QUATRO-S up to 9000 lm
	6500 K				







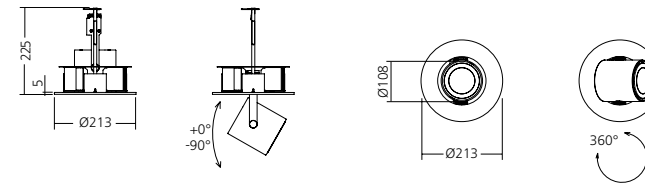
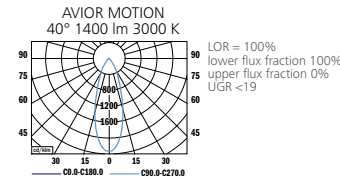
Avior Motion

AVIOR MOTION

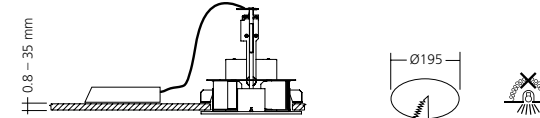
FACET LED



PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
AVIOR MOTION	1400	12	117	80+	3000	24° / 40° / 60°	3.1
AVIOR MOTION	1450	12	121	80+	4000	24° / 40° / 60°	3.1
AVIOR MOTION	2450	21	117	80+	3000	24° / 40° / 60°	3.1
AVIOR MOTION	2750	23	120	80+	4000	24° / 40° / 60°	3.1
AVIOR MOTION	4050	38	107	80+	3000	24° / 40° / 60°	3.1
AVIOR MOTION	4400	40	110	80+	4000	24° / 40° / 60°	3.1
AVIOR MOTION	5300	42	102	80+	4000	24° / 40° / 60°	3.1
AVIOR MOTION	5500	52	106	80+	4000	24° / 40° / 60°	3.1

Luminous flux tolerance +/- 10 %



REFLECTOR 24°



REFLECTOR 40°



REFLECTOR 60°

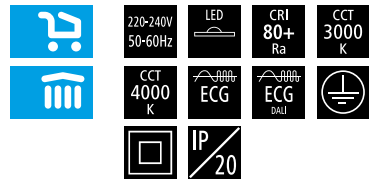


RED FILTER



TRACKLIGHTS AND SPOTLIGHTS

# Avior Motion



EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: die-cast aluminium  
Reflector: facet anodised aluminium  
Tilting mechanism: steel  
Trim: sheet steel  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Various coloured filters  
Exchangeable reflectors  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Einbauleuchte  
**Source lumineuse**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Aluminiumdruckguss  
Reflektor: facettiertes eloxiertes Aluminium  
Kippmechanismus: Stahl  
Einfassung: Stahlblech  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Verschiedene farbige Filter  
Austauschbare Reflektoren  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: aluminium moulé sous pression  
Réflecteur: aluminium à l'aspect anodisé  
Mécanisme d'inclinaison: tôle d'acier  
Moulure: tôle d'acier  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Divers filtres colorés  
Réflecteurs échangeables  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: hliníkový odliatok  
Reflektor: anodizovaný fazetový hliník  
Polohovateľný mechanizmus: oceľ  
Obruč: ocelový plech  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Rôzne farebné filtre  
Vymeniteľné reflektory  
**Servicečná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: aluminio moldeado  
Reflector: aluminio anodizado facetado  
Mecanismo de inclinación: acero  
Reborde: lámina de acero  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Varios filtros coloreados  
Refletores intercambiables  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: pressofusione di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
Meccanismo di inclinazione: in lamina d'acciaio  
Profilo: lamina in alluminio  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Vari filtri colorati  
Riflettori intercambiabili  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: литой алюминий  
Отражатель: рифленый анодированный алюминий  
Поворотный механизм: листовая сталь  
Накладка: листовая сталь  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Различные цветные фильтры  
Сменные отражатели  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX

AVIOR system efficacy up to 121 lm/W

CRI	80+Ra	90+Ra	CCT	3000 K	4000 K	2700 K	5000 K	6500 K	ECG	ECG FIX	ECG DALI	BEAM ANGLE	16°	24°	40°	60°	MOUNTING	TRACK SYSTEM	RECESSED	SURFACED	NET LUMEN OUTPUT	up to 5500 lm	ACCESSORIES	EXCHANGEABLE REFLECTORS	VARIOUS COLOURED FILTERS
-----	-------	-------	-----	--------	--------	--------	--------	--------	-----	---------	----------	------------	-----	-----	-----	-----	----------	--------------	----------	----------	------------------	---------------	-------------	-------------------------	--------------------------

AVIOR MOTION 248 AVIOR MOVABLE 250 AVIOR SURFACED 252 AVIOR TRACK 256





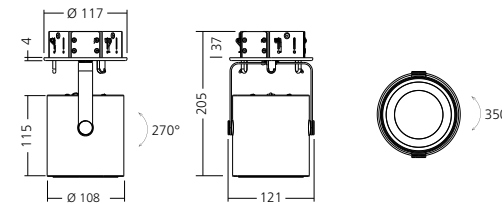
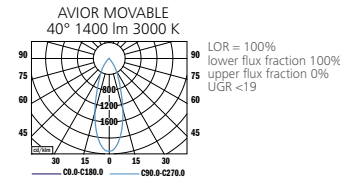
# AVIOR MOVABLE

FACET  
LED

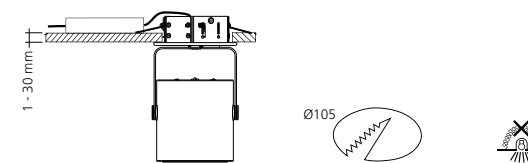


# Avior Movable

## PHOTOMETRY



## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
AVIOR MOVABLE	1400	12	117	80+	3000	24° / 40° / 60°	1.6
AVIOR MOVABLE	1450	12	121	80+	4000	24° / 40° / 60°	1.6
AVIOR MOVABLE	2450	21	117	80+	3000	24° / 40° / 60°	1.6
AVIOR MOVABLE	2750	23	120	80+	4000	24° / 40° / 60°	1.6
AVIOR MOVABLE	4050	38	107	80+	3000	24° / 40° / 60°	1.7
AVIOR MOVABLE	4400	40	110	80+	4000	24° / 40° / 60°	1.7
AVIOR MOVABLE	5300	42	102	80+	4000	24° / 40° / 60°	1.7
AVIOR MOVABLE	5500	52	106	80+	4000	24° / 40° / 60°	1.7

Luminous flux tolerance +/- 10 %



REFLECTOR 24°



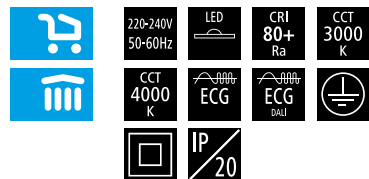
REFLECTOR 40°



REFLECTOR 60°



RED FILTER



## EN

**Mounting**  
Ceiling recessed  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel + extruded aluminium  
Reflector: facet anodised aluminium  
Tilting mechanism: steel  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Various coloured filters  
Exchangeable reflectors  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

## DE

**Montage**  
Einbauleuchte  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech + extrudiertes Aluminium  
Reflektor: facettiertes eloxiertes Aluminium  
Kippmechanismus: Stahl  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Verschiedene farbige Filter  
Austauschbare Reflektoren  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

## FR

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
LED  
**Système optique**  
Facet réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier + aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
Mécanisme d'inclinaison: tôle d'acier  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Divers filtres colorés  
Réflecteurs échangeables  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

## SK

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: oceľový plech + extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
Polohovateľný mechanizmus: oceľ  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Rôzne farebné filtre  
Vymeniteľné reflektory  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

## ES

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero + aluminio extruido  
Reflector: aluminio anodizado facetado  
Mecanismo de inclinación: acero  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Varios filtros coloreados  
Reflectores intercambiables  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

## IT

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio + estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
Meccanismo di inclinazione: in lamina d'acciaio  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Vari filtri colorati  
Riflettori intercambiabili  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

## RU

**Установка**  
Потолочная встроенная  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь + экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
Поворотный механизм: листовая сталь  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Различные цветные фильтры  
Сменные отражатели  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

## SPECIFICATION MATRIX

AVIOR system efficacy up to 121 lm/W

CRI	CCT	ECG	BEAM ANGLE	MOUNTING	NET LUMEN OUTPUT
80+Ra	3000 K	ECG FIX	16°	TRACK SYSTEM	up to 5500 lm
90+Ra	4000 K	ECG DALI	24°	RECESSED	
	2700 K		40°	SURFACED	
	5000 K		60°		
	6500 K				

## ACCESSORIES

EXCHANGEABLE REFLECTORS  
VARIOUS COLOURED FILTERS

AVIOR MOTION 248 AVIOR MOVABLE 250 AVIOR SURFACED 252 AVIOR TRACK 256



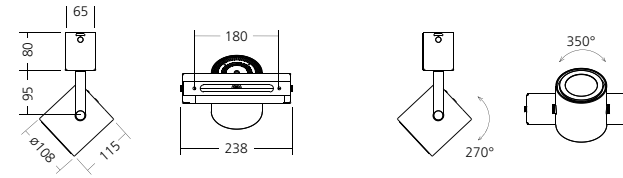
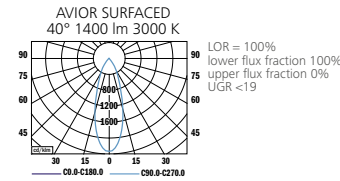
AVIOR SURFACED

FACET LED

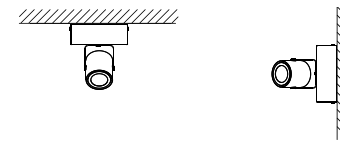


# Avior Surfacéd

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
AVIOR SURFACED	1400	12	117	80+	3000	24°/40°/60°	1.9
AVIOR SURFACED	1450	12	121	80+	4000	24°/40°/60°	1.9
AVIOR SURFACED	2450	21	117	80+	3000	24°/40°/60°	1.9
AVIOR SURFACED	2750	23	120	80+	4000	24°/40°/60°	1.9
AVIOR SURFACED	4050	38	107	80+	3000	24°/40°/60°	1.9
AVIOR SURFACED	4400	40	110	80+	4000	24°/40°/60°	1.9
AVIOR SURFACED	5300	42	102	80+	4000	24°/40°/60°	1.9
AVIOR SURFACED	5500	52	106	80+	4000	24°/40°/60°	1.9

Luminous flux tolerance +/- 10%



REFLECTOR 24°



REFLECTOR 40°



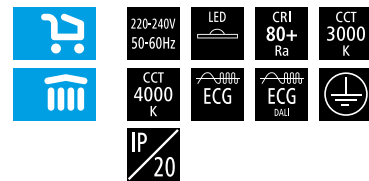
REFLECTOR 60°



RED FILTER



TRACKLIGHTS AND SPOTLIGHTS



EN

**Mounting**  
Surfacéd (SFD)  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Reflector: facet anodised aluminium  
Housing: sheet steel  
Tilting mechanism: steel  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Deckenleuchte (SFD)  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Reflektor: facettiertes eloxiertes Aluminium  
Körper: Stahlblech  
Kippmechanismus: Stahl  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Plafonnier apparent (SFD)  
**Source lumineuse**  
LED  
**Système optique**  
Facet réflecteur (FRE)  
Équipement électrique  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Réflecteur: aluminium à l'aspect anodisé  
Corps: tôle d'acier  
Mécanisme d'inclinaison: acier  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Prisadené (SFD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Reflektor: anodizovaný fazetový hliník  
Těleso: ocelový plech  
Polohovateľný mechanizmus: oceľ  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Service life**  
50,000 hodin/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Sobrepuestas en el techo (SFD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Reflector: aluminio anodizado facetado  
Cuerpo: lámina de acero  
Mecanismo de inclinación: acero  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

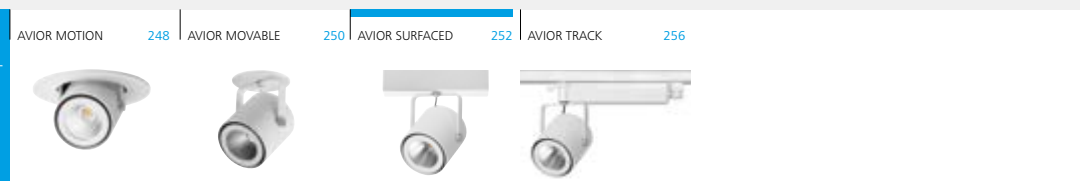
IT

**Installazione**  
A plafone (SFD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Riflettore: alluminio anodizzato sfaccettato  
Corpo: lamina d'acciaio  
Meccanismo di inclinazione: in lamina d'acciaio  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Потолочная накладная (SFD)  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Material**  
Отражатель: рифленый анодированный алюминий  
Корпус: листовая сталь  
Поворотный механизм: листовая сталь  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	BEAM ANGLE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	16° 24° 40° 60°	TRACK SYSTEM RECESSED SURFACED	up to 5500 lm	EXCHANGEABLE REFLECTORS VARIOUS COLOURED FILTERS







Avior Track

PREMIUM  
Collection



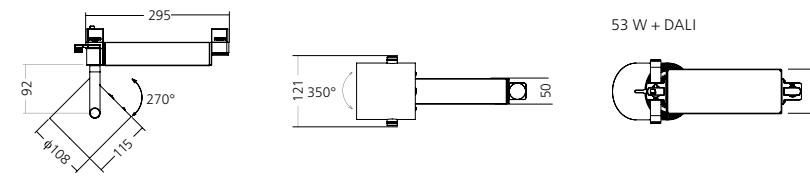
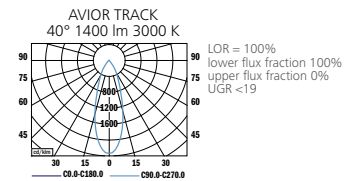
# AVIOR TRACK

FACET  
LED

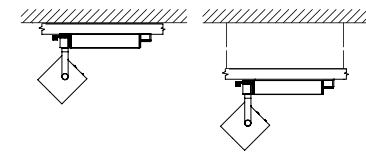


# Avior Track

## PHOTOMETRY



## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
AVIOR TRACK	1400	12	117	80+	3000	24°/40°/60°	1.6
AVIOR TRACK	1450	12	121	80+	4000	24°/40°/60°	1.6
AVIOR TRACK	2450	21	117	80+	3000	24°/40°/60°	1.6
AVIOR TRACK	2750	23	120	80+	4000	24°/40°/60°	1.6
AVIOR TRACK	4050	38	107	80+	3000	24°/40°/60°	1.9
AVIOR TRACK	4400	40	110	80+	4000	24°/40°/60°	1.9
AVIOR TRACK	5300	42	102	80+	4000	24°/40°/60°	1.9
AVIOR TRACK	5500	52	106	80+	4000	24°/40°/60°	1.9

Luminous flux tolerance +/- 10%



TRACKLIGHTS AND SPOTLIGHTS

**EN**

**Mounting**  
Suspended or ceiling surfaced lighting track system - suitable for GLOBAL Trac (TRS)

**Light source**  
LED

**Optical system**  
Facet reflector (FRE)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: die-cast aluminium + sheet steel  
Reflector: facet anodised aluminium

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Various types of connections and suspension equipment (GLOBAL Trac)  
Various coloured filters  
Exchangeable reflectors

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

**DE**

**Montage**  
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für GLOBAL Trac (TRS)

**Lichtquelle**  
LED

**Optisches System**  
Facettierter Reflektor (FRE)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Aluminiumdruckguss + Stahlblech  
Reflektor: facettiertes eloxiertes Aluminium

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Zubehör**  
Verschiedene Verbindungs- und Aufhängevorrichtungen (GLOBAL Trac)  
Verschiedene farbige Filter  
Austauschbare Reflektoren

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**

**Montage**  
Système d'éclairage à rail installé suspendu ou apparent - adapté au rail GLOBAL Trac (TRS)

**Source lumineuse**  
LED

**Système optique**  
Facetté réflecteur (FRE)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: aluminium moulé sous pression + tôle d'acier  
Réflecteur: aluminium à l'aspect anodisé

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Différents types de connexions et d'équipement de suspensions ( GLOBAL Trac)  
Divers filtres colorés  
Réflecteurs échangeables

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

**SK**

**Montáž**  
Závesný alebo prisadený koľajnicový systém - určené pre GLOBAL Trac (TRS)

**Svetelný zdroj**  
LED

**Optický systém**  
Fazetový reflektor (FRE)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: hliníkový odliatok + oceľový plech  
Reflektor: anodizovaný fazetový hliník

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Rôzne typy spojok a závesov (GLOBAL Trac)  
Rôzne farebné filtre  
Vymeniteľné reflektory

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

**ES**

**Montaje**  
Sistema riel luminico suspendido o sobrepuesto - adecuado para GLOBAL Trac (TRS)

**Fuente luminica**  
LED

**Sistema óptico**  
Reflector facetado (FRE)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: aluminio moldeado + lámina de acero  
Reflector: aluminio anodizado facetado

**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)

**Accesorios**  
Varios tipos de conexiones y equipos de suspensión (GLOBAL Trac)  
Varios filtros coloreados  
Refletores intercambiables

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**

**Installazione**  
Sistema di illuminazione a binari, a sospensione o a plafone - adatto per GLOBAL Trac (TRS)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Riflettore sfaccettato (FRE)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: pressofusione di alluminio + lamina d'acciaio  
Riflettore: alluminio anodizzato sfaccettato

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Diversi tipi connessioni e accessori per la sospensione (GLOBAL Trac)  
Vari filtri colorati  
Riflettori intercambiabili

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**

**Установка**  
Подвесная или накладная потолочная трековая система освещения - подходит для GLOBAL Trac (TRS)

**Источник света**  
LED

**Оптическая система**  
Рифленый отражатель (FRE)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: литой алюминий + листовая сталь  
Отражатель: рифленый анодированный алюминий

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Разные типы соединений и подвесного оборудования (GLOBAL Trac)  
Различные цветные фильтры  
Сменные отражатели

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

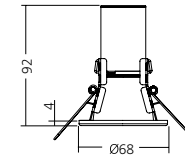
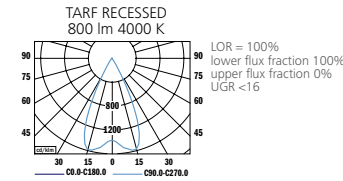
SPECIFICATION MATRIX	CRI	CCT	ECG	BEAM ANGLE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
	80+Ra 90+Ra	3000 K 4000 K 2700 K 5000 K 6500 K	ECG FIX ECG DALI	16° 24° 40° 60°	TRACK SYSTEM RECESSED SURFACED	up to 5500 lm	EXCHANGEABLE REFLECTORS VARIOUS COLOURED FILTERS



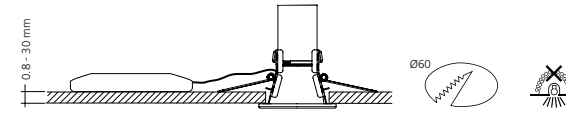




**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
TARF RECESSED	800	11	73	80+	3000	50°	0.3
TARF RECESSED	900	11	82	80+	4000	50°	0.3

Luminous flux tolerance +/- 10%



TRACKLIGHTS AND SPOTLIGHTS

# Tarf Recessed

- 220-240V 50-60Hz
- LED
- CRI 80+ Ra
- CCT 3000 K
- CCT 4000 K
- ECG
- IP 20

<p><b>EN</b></p> <p><b>Mounting</b> Ceiling recessed</p> <p><b>Light source</b> LED</p> <p><b>Optical system</b> Facet matt reflector (FRM)</p> <p><b>Wiring</b> Electronic control gear FIX/DALI (ECG/EDA)</p> <p><b>Materials</b> Housing: sheet steel Reflector: facet anodised aluminium Trim: sheet steel</p> <p><b>Surface finish</b> Trim: white RAL 9003 (W03)</p> <p><b>Service lifetime</b> 50,000 hours/L80</p> <p><b>Ambient temperature</b> From -20 °C to +35 °C</p>	<p><b>DE</b></p> <p><b>Montage</b> Einbauleuchte</p> <p><b>Lichtquelle</b> LED</p> <p><b>Optisches System</b> Facettierter matter Reflector (FRM)</p> <p><b>Vorschaltgerät</b> Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)</p> <p><b>Material</b> Körper: Stahlblech Reflektor: facettiertes, eloxiertes Aluminium Einfassung: Stahlblech</p> <p><b>Oberflächenveredelung</b> Einfassung: weiss RAL 9003 (W03)</p> <p><b>Lebensdauer</b> 50,000 Stunden/L80</p> <p><b>Umgebungstemperatur</b> Von -20 °C bis +35 °C</p>	<p><b>FR</b></p> <p><b>Montage</b> Plafonnier encastrable</p> <p><b>Source lumineuse</b> LED</p> <p><b>Système optique</b> Réflecteur à l'aspect mat (FRM)</p> <p><b>Équipement électrique</b> Ballast électronique FIX/DALI (ECG/EDA)</p> <p><b>Matériels</b> Corps: tôle d'acier Réflecteur: aluminium à l'aspect anodisé Moulure: tôle d'acier</p> <p><b>Finition de surface</b> Moulure: blanc RAL 9003 (W03)</p> <p><b>Durée de vie utile</b> 50,000 heures/L80</p> <p><b>Température ambiante</b> De -20 °C à +35 °C</p>	<p><b>SK</b></p> <p><b>Montáž</b> Vsadené</p> <p><b>Svetelný zdroj</b> LED</p> <p><b>Optický systém</b> Fazetový matný reflektor (FRM)</p> <p><b>Elektrická výbava</b> Elektronický predradník FIX/DALI (ECG/EDA)</p> <p><b>Material</b> Teleso: oceľový plech Reflektor: anodizovaný fazetový hliník Obruč: oceľový plech</p> <p><b>Povrchová úprava</b> Obruč: biela RAL 9003 (W03)</p> <p><b>Servisná životnosť</b> 50,000 hodín/L80</p> <p><b>Teplota okolia</b> Od -20 °C do +35 °C</p>	<p><b>ES</b></p> <p><b>Montaje</b> Empotradas en el techo</p> <p><b>Fuente luminica</b> LED</p> <p><b>Sistema óptico</b> Reflector facetado mate (FRM)</p> <p><b>Cableado</b> Equipo de control electrónico FIX/DALI (ECG/EDA)</p> <p><b>Material</b> Cuerpo: lámina de acero Reflector: aluminio anodizado facetado Reborde: lámina de acero</p> <p><b>Tratamiento de la superficie</b> Reborde: blanco RAL 9003 (W03)</p> <p><b>Vida útil</b> 50,000 horas/L80</p> <p><b>Temperatura ambiente</b> Desde -20 °C a +35 °C</p>	<p><b>IT</b></p> <p><b>Installazione</b> Ad incasso a soffitto</p> <p><b>Sorgente luminosa</b> LED</p> <p><b>Sistema ottico</b> Riflettore sfaccettato opaco (FRM)</p> <p><b>Cablaggio</b> Ballast elettronico FIX/DALI (ECG/EDA)</p> <p><b>Materiali</b> Corpo: lamina d'acciaio Riflettore: alluminio anodizzato sfaccettato Profilo: lamina d'acciaio</p> <p><b>Finitura</b> Profilo: bianco RAL 9003 (W03)</p> <p><b>Durata di vita</b> 50,000 ore/L80</p> <p><b>Temperatura d'ambiente</b> Da -20 °C a +35 °C</p>	<p><b>RU</b></p> <p><b>Установка</b> Потолочная встраиваемая</p> <p><b>Источник света</b> LED</p> <p><b>Оптическая система</b> Рифленый матовый отражатель (FRM)</p> <p><b>Электрическое оснащение</b> Электронный аппарат FIX/DALI (ECG/EDA)</p> <p><b>Материал</b> Корпус: листовая сталь Отражатель: рифленый анодированный алюминий Накладка: листовая сталь</p> <p><b>Отделка поверхности</b> Накладка: белый RAL 9003 (W03)</p> <p><b>Срок службы</b> 50,000 часов/L80</p> <p><b>Температура окружающей среды</b> От -20 °C до +35 °C</p>
--	--	--	--	---	--	---

The foundation of every successful product is careful, thoughtful and intelligent design.

Our product designers work in partnership with customers to deliver ingenious ideas, innovative solutions and design concepts according to project specifications. The design team covers the entire product design process within our own facilities, making use of advanced 3D computer modelling programmes, 3D laser scanning, our own 3D printer and a fully equipped prototyping workshop.

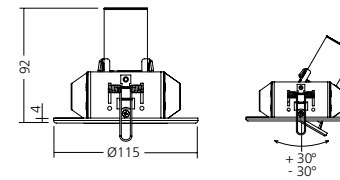
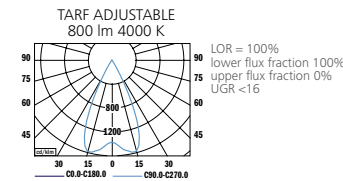


TARF ADJUSTABLE

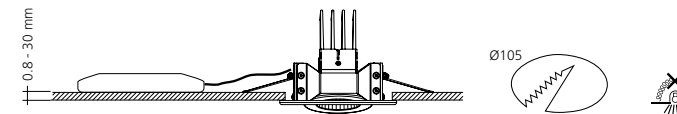
FACET LED



PHOTOMETRY

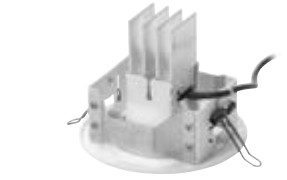
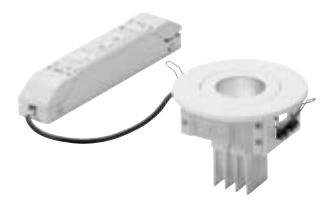


MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
TARF ADJUSTABLE	800	11	73	80+	3000	50°	0.4
TARF ADJUSTABLE	900	11	82	80+	4000	50°	0.4

Luminous flux tolerance +/- 10%



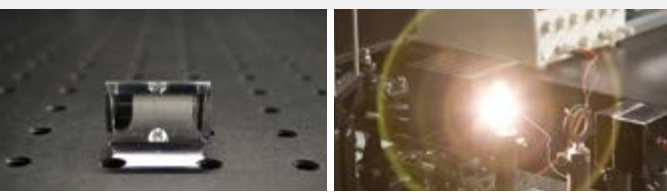
TRACKLIGHTS AND SPOTLIGHTS

# Tarf Adjustable

<p><b>EN</b></p> <p><b>Mounting</b> Ceiling recessed</p> <p><b>Light source</b> LED</p> <p><b>Optical system</b> Facet matt reflector (FRM)</p> <p><b>Wiring</b> Electronic control gear FIX/DALI (ECG/EDA)</p> <p><b>Materials</b> Housing: sheet steel Reflector: facet anodised aluminium Trim: sheet steel</p> <p><b>Surface finish</b> Trim: white RAL 9003 (W03)</p> <p><b>Service lifetime</b> 50,000 hours/L80</p> <p><b>Ambient temperature</b> From -20 °C to +35 °C</p>	<p><b>DE</b></p> <p><b>Montage</b> Einbauleuchte</p> <p><b>Lichtquelle</b> LED</p> <p><b>Optisches System</b> Facettierter matter Reflector (FRM)</p> <p><b>Vorschaltgerät</b> Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)</p> <p><b>Material</b> Körper: Stahlblech Reflektor: facettiertes, eloxiertes Aluminium Einfassung: Stahlblech</p> <p><b>Oberflächenveredelung</b> Einfassung: weiss RAL 9003 (W03)</p> <p><b>Lebensdauer</b> 50,000 Stunden/L80</p> <p><b>Umgebungstemperatur</b> Von -20 °C bis +35 °C</p>	<p><b>FR</b></p> <p><b>Montage</b> Plafonnier encastrable</p> <p><b>Source lumineuse</b> LED</p> <p><b>Système optique</b> Réflecteur à l'aspect mat (FRM)</p> <p><b>Équipement électrique</b> Ballast électronique FIX/DALI (ECG/EDA)</p> <p><b>Matériels</b> Corps: tôle d'acier Réflecteur: aluminium à l'aspect anodisé Moulure: tôle d'acier</p> <p><b>Finition de surface</b> Moulure: blanc RAL 9003 (W03)</p> <p><b>Durée de vie utile</b> 50,000 heures/L80</p> <p><b>Température ambiante</b> De -20 °C à +35 °C</p>	<p><b>SK</b></p> <p><b>Montáž</b> Vsadené</p> <p><b>Svetelný zdroj</b> LED</p> <p><b>Optický systém</b> Fazetový matný reflektor (FRM)</p> <p><b>Elektrická výbava</b> Elektronický predradník FIX/DALI (ECG/EDA)</p> <p><b>Material</b> Těleso: ocelový plech Reflektor: anodizovaný fazetový hliník Obruč: ocelový plech</p> <p><b>Povrchová úprava</b> Obruč: biela RAL 9003 (W03)</p> <p><b>Servisná životnosť</b> 50,000 hodín/L80</p> <p><b>Teplota okolia</b> Od -20 °C do +35 °C</p>	<p><b>ES</b></p> <p><b>Montaje</b> Empotradas en el techo</p> <p><b>Fuente luminica</b> LED</p> <p><b>Sistema óptico</b> Reflector facetado mate (FRM)</p> <p><b>Cableado</b> Equipo de control electrónico FIX/DALI (ECG/EDA)</p> <p><b>Material</b> Cuerpo: lámina de acero Reflector: aluminio anodizado facetado Reborde: lámina de acero</p> <p><b>Tratamiento de la superficie</b> Reborde: blanco RAL 9003 (W03)</p> <p><b>Vida útil</b> 50,000 horas/L80</p> <p><b>Temperatura ambiente</b> Desde -20 °C a +35 °C</p>	<p><b>IT</b></p> <p><b>Installazione</b> Ad incasso a soffitto</p> <p><b>Sorgente luminosa</b> LED</p> <p><b>Sistema ottico</b> Riflettore sfaccettato opaco (FRM)</p> <p><b>Cablaggio</b> Ballast elettronico FIX/DALI (ECG/EDA)</p> <p><b>Materiali</b> Corpo: lamina d'acciaio Riflettore: alluminio anodizzato sfaccettato Profilo: lamina d'acciaio</p> <p><b>Finitura</b> Profilo: bianco RAL 9003 (W03)</p> <p><b>Durata di vita</b> 50,000 ore/L80</p> <p><b>Temperatura d'ambiente</b> Da -20 °C a +35 °C</p>	<p><b>RU</b></p> <p><b>Установка</b> Потолочная встраиваемая</p> <p><b>Источник света</b> LED</p> <p><b>Оптическая система</b> Рифленый матовый отражатель (FRM)</p> <p><b>Электрическое оснащение</b> Электронный аппарат FIX/DALI (ECG/EDA)</p> <p><b>Материал</b> Корпус: листовая сталь Отражатель: рифленый анодированный алюминий Накладка: листовая сталь</p> <p><b>Отделка поверхности</b> Накладка: белый RAL 9003 (W03)</p> <p><b>Срок службы</b> 50,000 часов/L80</p> <p><b>Температура окружающей среды</b> От -20 °C до +35 °C</p>
--	--	--	--	---	--	---

Optics form the heart of every luminaire.

Our optical designers have at their disposal a wide range of state-of-the-art equipment that enables us to develop effective conventional optical parts, as well as complex lens optical systems. We are also world leaders in the innovation of mass-producible nano-optics, holographic lenses and proprietary development tools.



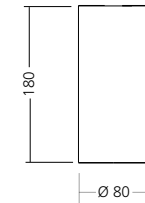
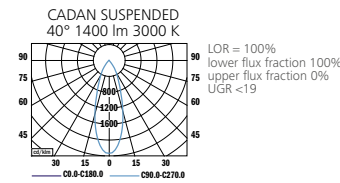


# CADAN SUSPENDED

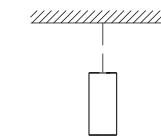
FACET  
LED



## PHOTOMETRY



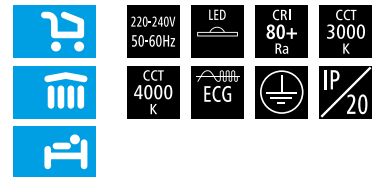
## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
CADAN SUSPENDED	1400	12	117	80+	3000	24°/40°	0.9
CADAN SUSPENDED	1450	12	121	80+	4000	24°/40°	0.9

Luminous flux tolerance +/- 10%

# Cadan Suspended



## EN

**Mounting**  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX (ECG)  
**Materials**  
Housing: extruded aluminium  
Reflector: facet anodised aluminium  
Top cover: sheet steel  
Rope suspension  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

## DE

**Montage**  
Hängend (SSD)  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX (ECG)  
**Material**  
Körper: extrudiertes Aluminium  
Reflektor: facettiertes eloxiertes Aluminium  
Obere Abdeckung: Stahlblech  
Seilaufhängung  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

## FR

**Montage**  
Plafonnier Suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX (ECG)  
**Matériels**  
Corps: aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
Couvercle supérieur: tôle d'acier  
Câble de suspension  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

## SK

**Montáž**  
Závesné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX (ECG)  
**Material**  
Teleso: extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
Vrchný kryt: ocelový plech  
Lankový záves  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

## ES

**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX (ECG)  
**Material**  
Cuerpo: aluminio extruido  
Reflector: aluminio anodizado facetado  
Cubierta superior: lámina de acero  
Cable de suspensión  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

## IT

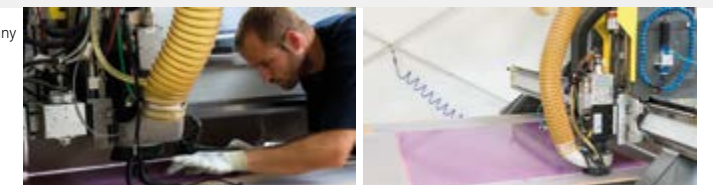
**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX (ECG)  
**Materiali**  
Corpo: estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
Copertura superiore: lamina d'acciaio  
Cavo di sospensione  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

## RU

**Установка**  
Подвесная (SSD)  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX (ECG)  
**Материал**  
Корпус: экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
Верхний крышка: листовая сталь  
Тросовый подвес  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

A very useful and complementary machine that does everything the others can't.

Our high-performance MultiCam 3000 CNC Router can cut various materials that cannot be processed by any of the other automated machines in operation in our production facilities. The space-saving 2 x 3 m dimensions in combination with maximum cutting depth of 20 cm, automatic tool exchange and calibration and user-friendly interface, enables the production of anything from reflectors and diffusers to the cutting of cardboard and foil. This useful machine streamlines many processes and saves manpower, costs and time.



**AIR II**  
FACET  
LED

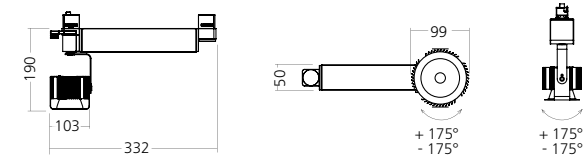
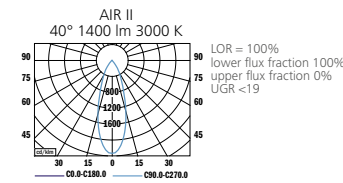
LED

FASTRUNNER

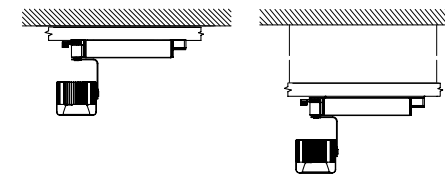


# Air II

PHOTOMETRY

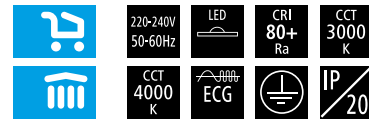


MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
AIR II	1400	12	117	80+	3000	24°/40°	1.3
AIR II	1450	12	121	80+	4000	24°/40°	1.3
AIR II	2750	21	117	80+	3000	24°/40°	1.3
AIR II	2750	23	120	80+	4000	24°/40°	1.3
AIR II	3900	37	105	80+	4000	24°/40°	1.3
AIR II	4050	37	109	80+	4000	24°/40°	1.3

Luminous flux tolerance +/- 10%



**EN**  
**Mounting**  
Suspended or ceiling surfaced lighting track system - suitable for GLOBAL Trac (TRS)  
**Light source**  
LED  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX (ECG)  
**Materials**  
Housing: sheet steel + extruded aluminium  
Reflector: facet anodised aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Various types of connections and suspension equipment (GLOBAL Trac)  
Various coloured filters  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -20 °C to +35 °C

**DE**  
**Montage**  
Hängende oder an der Decke angesetzte Stromschienenmontage - eignet sich für GLOBAL Trac (TRS)  
**Lichtquelle**  
LED  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX (ECG)  
**Material**  
Körper: Stahlblech + extrudiertes Aluminium  
Reflektor: facetiertes eloxiertes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Verschiedene Verbindungs- und Aufhängevorrichtungen (GLOBAL Trac)  
Verschiedene farbige Filter  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -20 °C bis +35 °C

**FR**  
**Montage**  
Système d'éclairage à rail installé suspendu ou apparent - adapté au rail GLOBAL Trac (TRS)  
**Source lumineuse**  
LED  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX (ECG)  
**Matériels**  
Corps: tôle d'acier + aluminium extrudé  
Réflecteur: aluminium à l'aspect anodisé  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Différents types de connexions et d'équipement de suspensions ( GLOBAL Trac)  
Divers filtres colorés  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -20 °C à +35 °C

**SK**  
**Montáž**  
Závesný alebo prisadený koľajnicový systém - určené pre GLOBAL Trac (TRS)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX (ECG)  
**Material**  
Teleso: oceľový plech + extrudovaný hliník  
Reflektor: anodizovaný fazetový hliník  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Rôzne typy spojok a závesov (GLOBAL Trac)  
Rôzne farebné filtre  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -20 °C do +35 °C

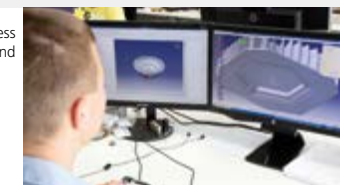
**ES**  
**Montaje**  
Sistema riel lumínico suspendido o sobrepuesto - adecuado para GLOBAL Trac (TRS)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX (ECG)  
**Material**  
Cuerpo: lámina de acero + aluminio extruido  
Reflector: aluminio anodizado facetado  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Varios tipos de conexiones y equipos de suspensión (GLOBAL Trac)  
Varios filtros coloreados  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -20 °C a +35 °C

**IT**  
**Installazione**  
Sistema di illuminazione a binari, a sospensione o a plafone - adatto per GLOBAL Trac (TRS)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX (ECG)  
**Materiali**  
Corpo: lamina d'acciaio + estruso di alluminio  
Riflettore: alluminio anodizzato sfaccettato  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Diversi tipi connessioni e accessori per la sospensione (GLOBAL Trac)  
Vari filtri colorati  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -20 °C a +35 °C

**RU**  
**Установка**  
Подвесная или накладная потолочная трековая система освещения - подходит для GLOBAL Trac (TRS)  
**Источник света**  
LED  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX (ECG)  
**Материал**  
Корпус: листовая сталь + экструдированный алюминий  
Отражатель: рифленый анодированный алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Разные типы соединений и подвесного оборудования (GLOBAL Trac)  
Различные цветные фильтры  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -20 °C до +35 °C

From mechanical design through analysis to creation of full manufacturing documentation, we have it covered!

Our mechanical and thermal engineers use CATIA®, a world renowned product lifecycle management software suite that supports collaborative engineering across various fields, allowing an efficient and controlled flow of information from product conceptualisation through design and engineering to the creation of full manufacturing documentation and tooling designs. In addition to standard functions, we also use modules that enable mechanical stress evaluation, structural and mold flow analysis, and many other features.



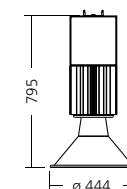
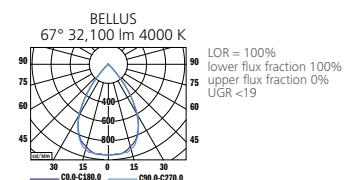


NEW **BELLUS**  
POLISHED  
LED

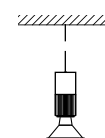


# Bellus

## PHOTOMETRY

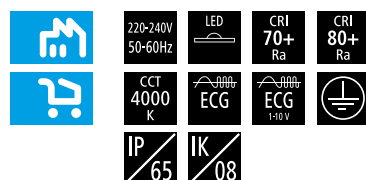


## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
BELLUS	21,900	267	82	80+	4000	67°	13.5
BELLUS	27,900	340	82	80+	4000	67°	13.5
BELLUS	25,200	367	84	70+	4000	67°	13.5
BELLUS	32,100	340	84	70+	4000	67°	13.5

Luminous flux tolerance +/- 10%



### EN

**Mounting**  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Polished reflector + transparent cover (PRT)  
**Wiring**  
Electronic control gear  
FIX/1-10V (ECG/E10)  
**Materials**  
Heatsink: extruded aluminium  
Reflector: polished anodised aluminium  
Installation plate: zinc coated sheet steel  
Cover: transparent hardened glass  
Chain suspension  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -30 °C to +35 °C

### DE

**Montage**  
Hängend (SSD)  
**Source lumineuse**  
LED  
**Optisches System**  
Polierter Reflektor + durchsichtige Abdeckung (PRT)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät  
FIX/1-10V (ECG/E10)  
**Material**  
Kühlkörper: extrudiertes Aluminium  
Reflektor: poliertes eloxiertes Aluminium  
Installationsplatte: verzinktes Stahlblech  
Abdeckung: durchsichtiger gehärteter Glas  
Kettenaufhängung  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -30 °C bis +35 °C

### FR

**Montage**  
Plafonnier Suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli + couvercle transparente (PRT)  
**Équipement électrique**  
Ballast électronique  
FIX/1-10V (ECG/E10)  
**Matériels**  
Dissipateur thermique: aluminium extrudé  
Réflecteur: aluminium anodisé poli  
Plaque d'installation: tôle d'acier zinguée  
Couvercle: verre trempé transparente  
Suspension de chaîne  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -30 °C à +35 °C

### SK

**Montáž**  
Závěsné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený reflektor + transparentný kryt (PRT)  
**Elektrická výbava**  
Elektronický predradník  
FIX/1-10V (ECG/E10)  
**Material**  
Chladič: extrudovaný hliník  
Reflektor: leštený anodizovaný hliník  
Inštalčná doska: pozinkovaný plech  
Kryt: transparentné tvrdené sklo  
Refazový záves  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -30 °C do +35 °C

### ES

**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido + cubierta transparente (PRT)  
**Cableado**  
Equipo de control electrónico  
FIX/1-10V (ECG/E10)  
**Material**  
Disipador de calor: aluminio extruido  
Reflector: aluminio anodizado pulido  
Placa de instalación: lámina de acero galvanizada con zinc  
Cubierta: cristal endurecido transparente  
Cadena de suspensión  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -30 °C a +35 °C

### IT

**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido + copertura trasparente (PRT)  
**Cablaggio**  
Ballast elettronico  
FIX/1-10V (ECG/E10)  
**Materiali**  
Dissipatore di calore: estruso di alluminio  
Riflettore: alluminio anodizzato lucido  
Piastra di supporto: lamina d'acciaio zincato  
Copertura: vetro temperato trasparente  
Catena di sospensione  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -30 °C a +35 °C

### RU

**Установка**  
Подвесная (SSD)  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный отражатель + чистая крышка (PRT)  
**Электрическое оснащение**  
Электронный аппарат  
FIX/1-10V (ECG/E10)  
**Материал**  
Теплоотвод: экструдированный алюминий  
Отражатель: шлифованный анодированный алюминий  
Монтажная пластина: оцинкованная листовая сталь  
Крышка: чистое закаленное стекло  
Цепной подвес  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -30 °C до +35 °C

Simple replacement of high- medium- and low-bay discharge lamps with efficient and maintenance-free LED technology.

Incredible luminous power from a single, small and highly efficient luminaire. Designed specifically for low-, medium- and high-bay installation in industrial and open-space applications, the provided light is of an activating 4000 K and low-glare, uniformly distributed and offers good colour rendition. This simple and effective luminaire makes it easier than ever to replace, without complication, any luminaire that uses discharge lamps with modern, long-lasting and maintenance-free LED technology.







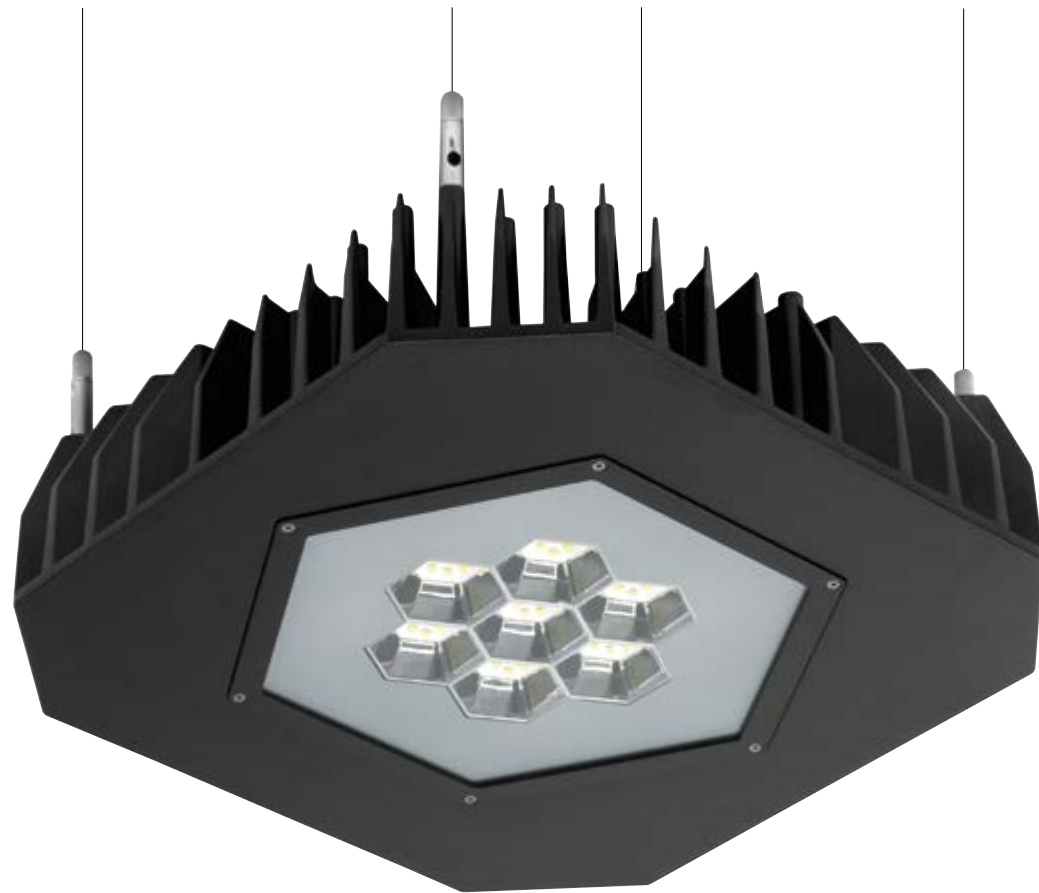
Grafias Suspended



# GRAFIAS SUSPENDED

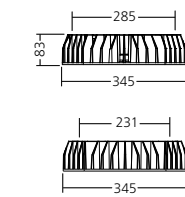
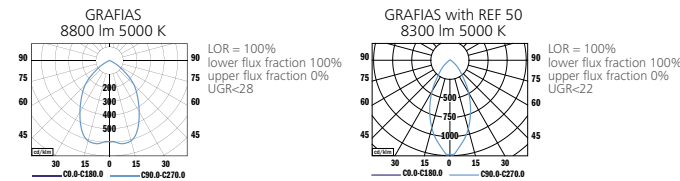
POLISHED LED

LED  
FASTRUNNER

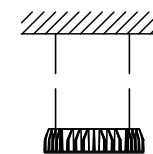


# Grafias Suspended

## PHOTOMETRY



## MOUNTING



## X2 SUSPENDED



## X4 SUSPENDED



## EMERGENCY



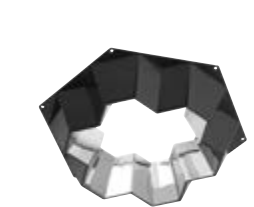
## CHAIN SUSPENSION X2



## CHAIN SUSPENSION X4



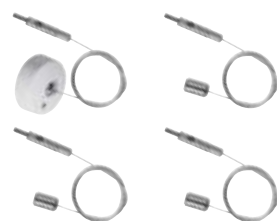
## REF 50



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (CO-180, C90-270)	EMERGENCY UNIT 3H (lm)	WEIGHT (kg)
GRAFIAS SSD	7200	99	73	80+	4000	70°, 77°	-	7.8
GRAFIAS SSD	8800	99	89	70+	5000	70°, 77°	-	7.8
GRAFIAS SSD	13,600	140	97	80+	4000	70°, 77°	250	7.8
GRAFIAS SSD	17,200	140	123	65+	5700	70°, 77°	300	7.8
GRAFIAS SSD REF	6800	99	69	80+	4000	50°	-	8.0
GRAFIAS SSD REF	8300	99	84	70+	5000	50°	-	8.0
GRAFIAS SSD REF	12,800	140	91	80+	4000	50°	-	8.0
GRAFIAS SSD REF	16,200	140	116	65+	5700	50°	-	8.0

Luminous flux tolerance +/- 10%.

## SUS 1.50 C0/045 SUSPENSION 45



220-240V 50-60Hz  
LED  
CRI 80+ Ra  
CCT 4000 K  
ECG  
IP 66  
IK 07

CRI 65+ Ra  
CCT 5000 K  
EMERGENCY

CRI 70+ Ra  
CCT 5700 K

## EN

**Mounting**  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Polished reflector (PRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (3H)  
**Materials**  
Housing: die-cast aluminium  
Reflector: evaporative coated PC  
Cover: transparent hardened glass  
**Surface finish**  
Housing: black RAL 9005 (B05)  
**Accessories**  
Additional reflector with 50° beam angle  
Rope suspension  
Chain suspension system:  
X1 - for 1 luminaire (Ballproof version)  
X2 - for 2 luminaires, X4 - for 4 luminaires  
**Service lifetime**  
100,000 hours/L80  
**Ambient temperature**  
From -40 °C to +40 °C  
(from 0°C with EM unit)

## DE

**Montage**  
Hängend (SSD)  
**Lichtquelle**  
LED  
**Optisches System**  
Poliertes Reflektor (PRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (3H)  
**Material**  
Körper: Aluminiumdruckguss  
Reflektor: PC- evaporative Beschichtung  
Abdeckung: durchsichtig gehärteter Glas  
**Oberflächenveredelung**  
Körper: Schwarz RAL 9005 (B05)  
**Zubehör**  
Zusätzlicher Reflektor mit Ausstrahlungswinkel 50°  
Seilaufhängung  
Kettenaufhängungssystem:  
X1 - für 1 Leuchte (Ballwurfsichere Version)  
X2 - für 2 Leuchten, X4 - für 4 Leuchten  
**Lebensdauer**  
100,000 Stunden/L80  
**Umgebungstemperatur**  
Von -40 °C bis +40 °C  
(von 0°C mit Notbeleuchtung)

## FR

**Montage**  
Plafonnier Suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Poliéreflektor poli (PRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (3H)  
**Matériels**  
Corps: aluminium moulé sous pression  
Réflecteur: PC- évaporative d'évaporation  
Couvercle: verre trempé transparente  
**Finition de surface**  
Corps: noir RAL 9005 (B05)  
**Accessoires**  
Réflecteur supplémentaire avec 50° angle de faisceau  
Câble de suspension  
Système de chaîne suspension:  
X1 - pour 1 luminaire (Résistance au impact de balle)  
X2 - pour 2 luminaires, X4 - pour 4 luminaires  
**Durée de vie utile**  
100,000 heures/L80  
**Température ambiante**  
De -40 °C à +40 °C  
(de 0°C avec l'unité de secours)

## SK

**Montáž**  
Závěsné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštěný reflektor (PRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (3H)  
**Material**  
Teleso: hliníkový odlitok  
Reflektor: PC-vákuovo pokovený  
Kryt: transparentné tvrdené sklo  
**Povrchová úprava**  
Teleso: čierna RAL 9005 (B05)  
**Príslušenstvo**  
Prídavný reflektor s 50° uhlom vyžarovania  
Lankový systém:  
Refazový závesný systém:  
X1 - pre 1 svietidlo (Odoľnosť voči nárazu loptou)  
X2 - pre 2 svietidlá, X4 - pre 4 svietidlá  
**Servisná životnosť**  
100,000 hodín/L80  
**Teplota okolia**  
Od -40 °C do +40 °C  
(od 0°C s núdzovou jednotkou)

## ES

**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido (PRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (3H)  
**Material**  
Cuerpo: aluminio moldeado  
Reflector: PC-recubrimiento evaporativo  
Cubierta: cristal endurecido transparente  
**Tratamiento de la superficie**  
Teleso: negro RAL 9005 (B05)  
**Accesorios**  
Reflector superior con 50° ángulo de rayo  
Cable de suspensión  
Sistema de cadena suspensión:  
X1 - para 1 lum. (Versión resistente a impactos de pelota)  
X2 - para 2 lum., X4 - para 4 lum.  
**Vida útil**  
100,000 horas/L80  
**Temperatura ambiente**  
Desde -40 °C a +40 °C  
(desde 0°C con unidad de emergencia)

## IT

**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido (PRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (3H)  
**Materiali**  
Corpo: pressofusione di alluminio  
Riflettore: PC-rivestimento ad evaporazione  
Copertura: vetro temperato trasparente  
**Finitura**  
Corpo: nero RAL 9005 (B05)  
**Accessori**  
Riflettore superiore con 50° angolo di emissione  
Cavo di sospensione  
Sistema di catena di sospensione:  
X1 - per 1 app. (Versione a prova di palla)  
X2 - per 2 apparecchi, X4 - per 4 apparecchi  
**Durata di vita**  
100,000 ore/L80  
**Temperatura d'ambiente**  
Da -40 °C a +40 °C  
(da 0°C con unità di emergenza)

## RU

**Установка**  
Подвесная (SSD)  
**Источник света**  
LED  
**Оптическая система**  
шлифованный отражатель (PRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (3H)  
**Материал**  
Корпус: литой алюминий  
Отражатель: ПЦ-вакуумное напыление  
Крышка: чистое закаленное стекло  
**Отделка поверхности**  
Корпус: черный RAL 9005 (B05)  
**Аксессуары**  
Дополнительный отражатель с углом 50° луча  
Тросовый подвес  
Система подвески:  
X1 - для 1 светильник (Противударная версия)  
X2 - для 2 светильников, X4 - для 4 светильников  
**Срок службы**  
100,000 часов/L80  
**Температура окружающей среды**  
От -40 °C до +40 °C  
(от 0°C с аварийного освещения)

## SPECIFICATION MATRIX

GRAFIAS system efficacy up to 140 lm/W

CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
70+Ra	4000 K	ECG FIX	3H	IP 66	RECESSED	up to 17,200 lm	REFLECTOR 50°
80+Ra	5000 K	ECG DALI		IK 07	SURFACED	X4 up to 68,800 lm	CHAIN SUSPENSION
65+Ra	3000 K			IK 07	SUSPENDED		X1 X2 X4



# GRAFIAS SURFACED

POLISHED LED

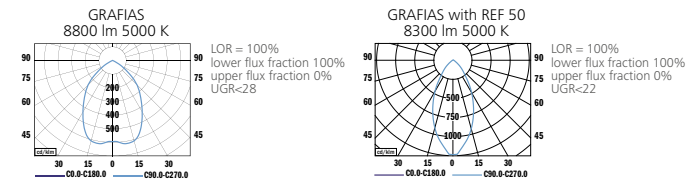
LED

FASTRUNNER



# Grafias Surfaceted

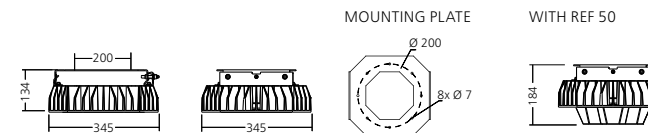
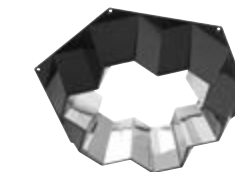
## PHOTOMETRY



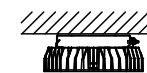
SURFACED WITH REF 50



REF 50

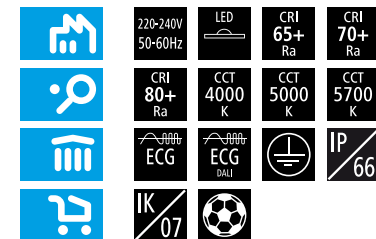


## MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
GRAFIAS SFD	7200	99	73	80+	4000	70°, 77°	9.0
GRAFIAS SFD	8800	99	89	70+	5000	70°, 77°	9.0
GRAFIAS SFD	13,600	140	97	80+	4000	70°, 77°	9.0
GRAFIAS SFD	17,200	140	123	65+	5700	70°, 77°	9.0
GRAFIAS SFD REF	6800	99	69	80+	4000	50°	9.2
GRAFIAS SFD REF	8300	99	84	70+	5000	50°	9.2
GRAFIAS SFD REF	12,800	140	91	80+	4000	50°	9.2
GRAFIAS SFD REF	16,200	140	116	65+	5700	50°	9.2

Luminous flux tolerance +/- 10%.



## EN

**Mounting**  
Ceiling surfaced (SFD)  
**Light source**  
LED  
**Optical system**  
Polished reflector (PRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: die-cast aluminium  
Reflector: evaporative coated PC  
Cover: transparent hardened glass  
**Surface finish**  
Housing: black RAL 9005 (B05)  
**Accessories**  
Additional reflector with 50° beam angle  
**Service lifetime**  
100,000 hours/L80  
**Ambient temperature**  
From -40 °C to +40 °C

## DE

**Montage**  
Plafonniere (SFD)  
**Lichtquelle**  
LED  
**Optisches System**  
Polierter Reflektor (PRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Aluminiumdruckguss  
Reflektor: PC-eporativ beschichtet  
Abdeckung: durchsichtig gehärteter Glas  
**Oberflächenveredelung**  
Körper: schwarz RAL 9005 (B05)  
**Zubehör**  
Zusätzlicher Reflektor mit Ausstrahlungswinkel 50°  
**Lebensdauer**  
100.000 Stunden/L80  
**Umgebungstemperatur**  
Von -40 °C bis +40 °C

## FR

**Montage**  
Plafonnier apparent (SFD)  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli (PRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: aluminium moulé sous pression  
Réflecteur: PC-évaporative Beschichtung  
Couvercle: verre trempé transparente  
**Finition de surface**  
Corps: noir RAL 9005 (B05)  
**Accessoires**  
Réflecteur supplémentaire avec 50° angle de faisceau  
**Durée de vie utile**  
100,000 heures/L80  
**Température ambiante**  
De -40 °C à +40 °C

## SK

**Montáž**  
Prisadené (SFD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený reflektor (PRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: hliníkový odliatok  
Reflektor: PC-vákuovo pokovený  
Kryt: transparentné tvrdené sklo  
**Povrchová úprava**  
Teleso: čierna RAL 9005 (B05)  
**Príslušenstvo**  
Prídavný reflektor s 50° uhlom vyžarovania  
**Service life**  
100,000 hodín/L80  
**Teplota okolia**  
Od -40 °C do +40 °C

## ES

**Montaje**  
Sobrepuestas en el techo (SFD)  
**Fuente luminosa**  
LED  
**Sistema óptico**  
Reflector pulido (PRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: aluminio moldeado  
Reflector: PC-recubrimiento evaporativo  
Cubierta: cristal endurecido transparente  
**Tratamiento de la superficie**  
Cuerpo: negro RAL 9005 (B05)  
**Accesorios**  
Reflector superior con 50° ángulo de rayo  
**Vida útil**  
100,000 horas/L80  
**Temperatura ambiente**  
Desde -40 °C a +40 °C

## IT

**Installazione**  
A plafone (SFD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido (PRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: pressofusione di alluminio  
Riflettore: PC-rivestimento ad evaporazione  
Copertura: vetro temperato trasparente  
**Finitura**  
Corpo: nero RAL 9005 (B05)  
**Accessori**  
Riflettore superiore con 50° angolo di emissione  
**Durata di vita**  
100,000 ore/L80  
**Temperatura d'ambiente**  
Da -40 °C a +40 °C

## RU

**Установка**  
Потолочная накладная (SFD)  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный отражатель (PRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: литой алюминий  
Отражатель: ПЦ-вакуумное напыление  
Крышка: чистое закаленное стекло  
**Отделка поверхности**  
Корпус: черный RAL 9005 (B05)  
**Аксессуары**  
Дополнительный отражатель с углом 50° луча  
**Срок службы**  
100,000 часов/L80  
**Температура окружающей среды**  
От -40 °C до +40 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
	70+Ra	4000 K	ECG FIX	3H	IP 66	RECESSED	up to 17,200 lm	REFLECTOR 50°
80+Ra	5000 K	ECG DALI		IK 07	SURFACED	X4 up to 68,800 lm	CHAIN SUSPENSION	
65+Ra	3000 K			IK 07	SUSPENDED		X1 X2 X4	







Grafias Recessed



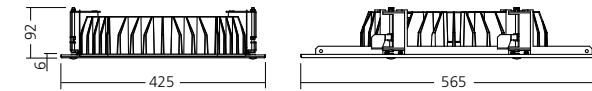
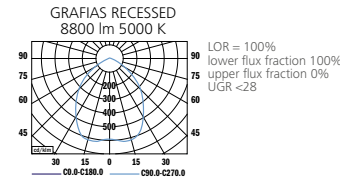
**GRAFIAS RECESSED**

POLISHED  
LED

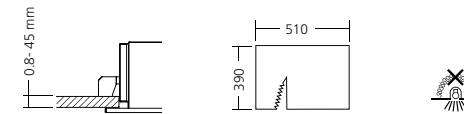


# Grafias Recessed

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
GRAFIAS RCD	7200	99	73	80+	4000	70°, 77°	11.4
GRAFIAS RCD	8800	99	89	70+	5000	70°, 77°	11.4
GRAFIAS RCD	13,600	140	97	80+	4000	70°, 77°	11.4
GRAFIAS RCD	17,200	140	123	65+	5700	70°, 77°	11.4

Luminous flux tolerance +/- 10%.

**EN**  
**Mounting**  
Ceiling recessed (RCB)  
**Light source**  
LED  
**Optical system**  
Polished reflector (PRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: die-cast aluminium  
Reflector: evaporative coated PC  
Cover: transparent hardened glass  
Mounting plate: sheet steel  
**Surface finish**  
Mounting plate: white RAL 9003 (W03)  
**Accessories**  
Safety wires  
**Service lifetime**  
100,000 hours/L80  
**Ambient temperature**  
From -40 °C to +40 °C

**DE**  
**Montage**  
Einbauleuchte (RCB)  
**Lichtquelle**  
LED  
**Optisches System**  
Polierter Reflektor (PRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Aluminiumdruckguss  
Reflektor: PC- evaporative Beschichtung  
Abdeckung: durchsichtig gehärteter Glas  
Montageplatte: Stahlblech  
**Oberflächenveredelung**  
Montageplatte: weiss RAL 9003 (W03)  
**Zubehör**  
Sicherungsseile  
**Lebensdauer**  
100,000 Stunden/L80  
**Umgebungstemperatur**  
Von -40 °C bis +40 °C

**FR**  
**Montage**  
Plafonnier encastrable (RCB)  
**Source lumineuse**  
LED  
**Système optique**  
Réflecteur poli (PRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: aluminium moulé sous pression  
Réflecteur: PC- évaporative Beschichtung  
Couvercle: verre trempé transparent  
Plaque de montage: tôle d'acier  
**Finition de surface**  
Plaque de montage: blanc RAL 9003 (W03)  
**Accessoires**  
Des fils de sécurité  
**Durée de vie utile**  
100,000 heures/L80  
**Température ambiante**  
De -40 °C à +40 °C

**SK**  
**Montáž**  
Vsadené (RCB)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Leštený reflektor (PRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: hliníkový odlatok  
Reflektor: PC-vákuovo pokovený  
Kryt: transparentné tvrdené sklo  
Montážna platňa: ocelový plech  
**Povrchová úprava**  
Montážna platňa: biela RAL 9003 (W03)  
**Príslušenstvo**  
Poistné lanká  
**Servisná životnosť**  
100,000 hodín/L80  
**Teplota okolia**  
Od -40 °C do +40 °C

**ES**  
**Montaje**  
Empotradas en el techo (RCB)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Reflector pulido (PRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: aluminio moldeado  
Reflector: PC-recubrimiento evaporativo  
Cubierta: cristal endurecido transparente  
Placa de montaje: lámina de acero  
**Tratamiento de la superficie**  
Placa de montaje: blanco RAL 9003 (W03)  
**Accesorios**  
Cables de seguridad  
**Vida útil**  
100,000 horas/L80  
**Temperatura ambiente**  
Desde -40 °C a +40 °C

**IT**  
**Installazione**  
Ad incasso a soffitto (RCB)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Riflettore lucido (PRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: pressofusione di alluminio  
Riflettore: PC-rivestimento ad evaporazione  
Copertura: vetro temperato trasparente  
Piastra di installazione: lamina d'acciaio  
**Finitura**  
Piastra di installazione: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sicurezza  
**Durata di vita**  
100,000 ore/L80  
**Temperatura d'ambiente**  
Da -40 °C a +40 °C

**RU**  
**Установка**  
Потолочная встроенная (RCB)  
**Источник света**  
LED  
**Оптическая система**  
Шлифованный отражатель (PRE)  
**Электронное оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: литой алюминий  
Отражатель: ПЦ-вакуумное напыление  
Крышка: чистое закаленное стекло  
Монтажная пластина: листовая сталь  
**Отделка поверхности**  
Монтажная пластина: белый RAL 9003 (W03)  
**Аксессуары**  
Контрольная проволока  
**Срок службы**  
100,000 часов/L80  
**Температура окружающей среды**  
От -40 °C до +40 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	EMERGENCY UNIT	PROTECTION DEGREE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
	70+Ra	4000 K	ECG FIX	3H	IP 66	RECESSED	up to 17,200 lm	REFLECTOR 50°
80+Ra	5000 K	ECG DALI		IK 07	SURFACED	X4 up to 68800 lm	CHAIN SUSPENSION	
65+Ra	3000 K			IP 67	SUSPENDED		X1 X2 X4	

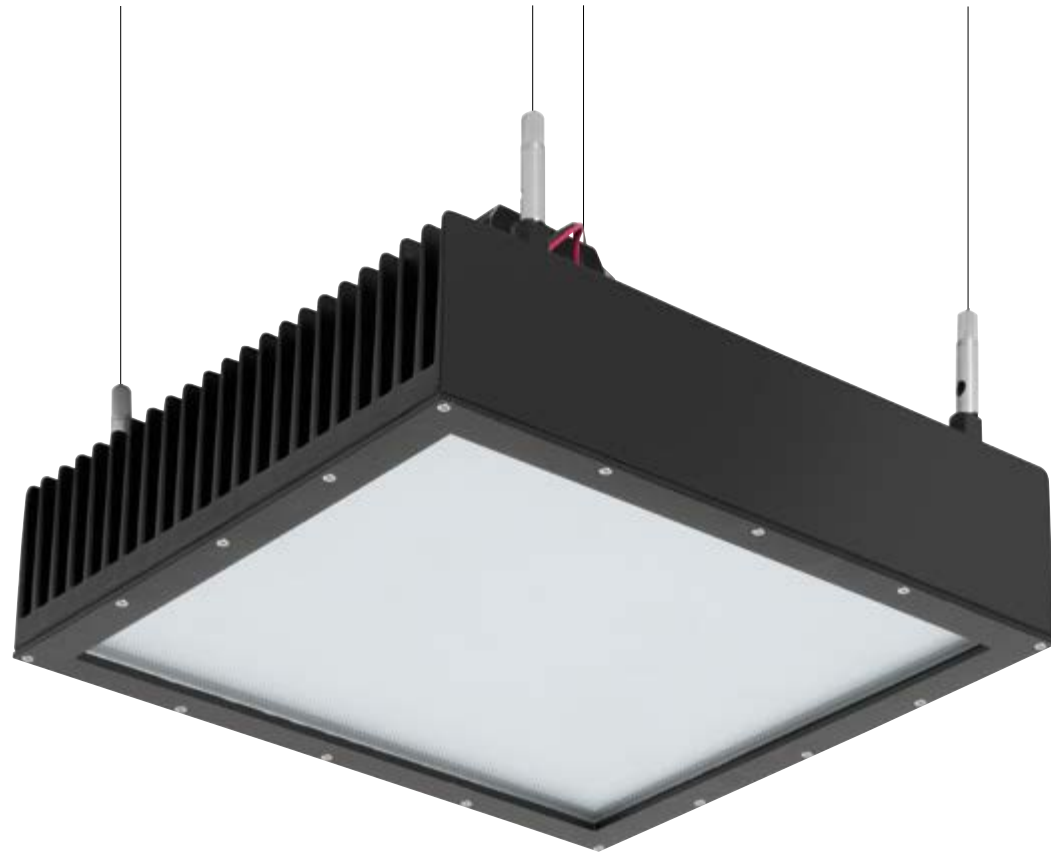




MYAR SUSPENDED

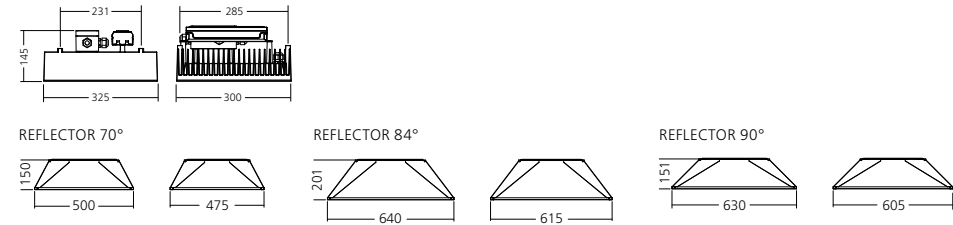
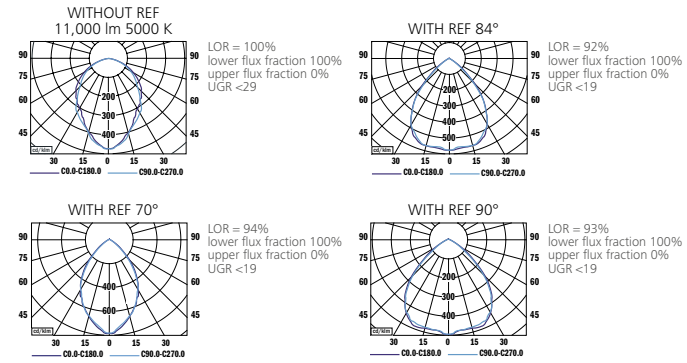
PRISMA  
LED

LED  
FASTRUNNER

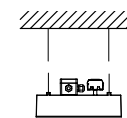


# Myar Suspended

PHOTOMETRY

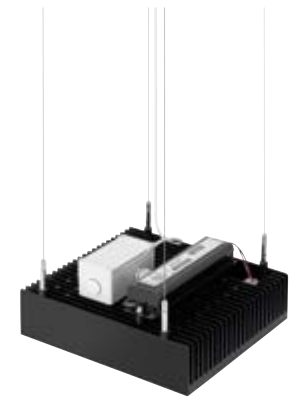


MOUNTING

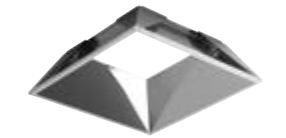


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
MYAR SSD	10,150	94	108	80+	3000	93°	9.5
MYAR SSD	10,650	94	113	80+	4000	93°	9.5
MYAR SSD	11,000	94	117	80+	5000	93°	9.5
MYAR SSD	12,300	106	116	80+	3000	93°	9.5
MYAR SSD	12,950	106	122	80+	4000	93°	9.5
MYAR SSD	13,300	106	125	80+	5000	93°	9.5

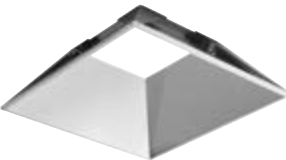
Luminous flux tolerance +/- 10%.



REFLECTOR 70°



REFLECTOR 84°



REFLECTOR 90°



220-240V 50-60Hz  
LED  
CCT 4000 K  
CCT 5000 K  
CCT 3000 K  
CRI 80+ Ra  
ECG  
IP 65  
IK 07

EN

**Mounting**  
Suspended (SSD)  
**Light source**  
LED  
**Optical system**  
Prismatic diffuser (PRD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: die-cast aluminium + sheet steel  
Diffuser: PMMA + glass  
Rope suspension  
**Surface finish**  
Housing: black RAL 9005 (B05)  
**Accessories**  
Protective foil available for food industry applications according to IFS (International Food Standard)  
Reflector (beam angle 70°/84°/90°)  
**Service lifetime**  
50,000 hours/L80  
**Ambient temperature**  
From -40 °C to +35 °C

DE

**Montage**  
Hängend (SSD)  
**Lichtquelle**  
LED  
**Optisches System**  
Prismatischer Diffusor (PRD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Aluminiumdruckguss + Stahlblech  
Diffusor: PMMA + Glas  
Seilauflängung  
**Oberflächenveredelung**  
Körper: schwarz RAL 9005 (B05)  
**Zubehör**  
Schutzfolie gemäß IFS (International Food Standard) für Anwendungen in der Nahrungsmittelindustrie erhältlich  
Reflektor (Lichtstrahlwinkel 70°/84°/90°)  
**Lebensdauer**  
50,000 Stunden/L80  
**Umgebungstemperatur**  
Von -40 °C bis +35 °C

FR

**Montage**  
Plafonnier Suspendu (SSD)  
**Source lumineuse**  
LED  
**Système optique**  
Diffuseur prisme (PRD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: aluminium moulé sous pression + tôle d'acier  
Diffuseur: PMMA + skio  
Câble de suspension  
**Finition de surface**  
Corps: noir RAL 9005 (B05)  
**Accessoires**  
Feuille protectrice disponible pour l'industrie alimentaire selon la norme IFS (International Food Standard)  
Réflecteur (angle de faisceau 70°/84°/90°)  
**Durée de vie utile**  
50,000 heures/L80  
**Température ambiante**  
De -40 °C à +35 °C

SK

**Montáž**  
Závěsné (SSD)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Prizmatický difúzor (PRD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Teleso: hliníkový odliatok + oceľový plech  
Difúzor: PMMA + sklo  
Lankový záves  
**Povrchová úprava**  
Teleso: čierna RAL 9005 (B05)  
**Príslušenstvo**  
Ochranná fólia určená pre potravinový priemysel súlade s IFS (International Food Standard)  
Reflektor (uhol vyžarovania 70°/84°/90°)  
**Servisná životnosť**  
50,000 hodín/L80  
**Teplota okolia**  
Od -40 °C do +35 °C

ES

**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Difusor prismático (PRD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: aluminio moldeado + lámina de acero  
Difusor: PMMA + cristal  
Cable de suspensión  
**Tratamiento de la superficie**  
Cuerpo: negro RAL 9005 (B05)  
**Accesorios**  
Lámina protectora disponible para aplicaciones alimentarias según IFS (Estándar Alimentario Internacional)  
Reflectores (ángulo de haz 70°/84°/90°)  
**Vida útil**  
50,000 horas/L80  
**Temperatura ambiente**  
Desde -40 °C a +35 °C

IT

**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Diffusore prismatico (PRD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: pressofusione di alluminio + lamina d'acciaio  
Diffusore: PMMA + vetro  
Cavo di sospensione  
**Finitura**  
Corpo: nero RAL 9005 (B05)  
**Accessori**  
Pellicola protettiva disponibile per applicazioni nell'industria alimentare secondo le IFS (International Food Standard)  
Riflettori (angolo a fascio 70°/84°/90°)  
**Durata di vita**  
50,000 ore/L80  
**Temperatura d'ambiente**  
Da -40 °C a +35 °C

RU

**Установка**  
Подвесная (SSD)  
**Источник света**  
LED  
**Оптическая система**  
Призматического рассеиватель (PRD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: литой алюминий + листовая сталь  
Рассеиватель: полиметилметакрилат + стекло  
Тросовый подвес  
**Отделка поверхности**  
Корпус: черный RAL 9005 (B05)  
**Аксессуары**  
Защитная фольга для применения в пищевой промышленности в соответствии с Международным пищевым стандартом (IFS)  
Отражатель (угол луча 70°/84°/90°)  
**Срок службы**  
50,000 часов/L80  
**Температура окружающей среды**  
От -40 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	PROTECTION DEGREE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
	80+Ra	3000 K 4000 K 5000 K	ECG FIX ECG DALI	IP 65 IK 07	RECESSED SURFACED SUSPENDED	up to 13,300 lm	REFLECTOR 70° 84° 90° PROTECTIVE FOIL available for food industry applications according to IFS (International Food Standard)

LUMINAIRES WITH HIGH PROTECTION DEGREE

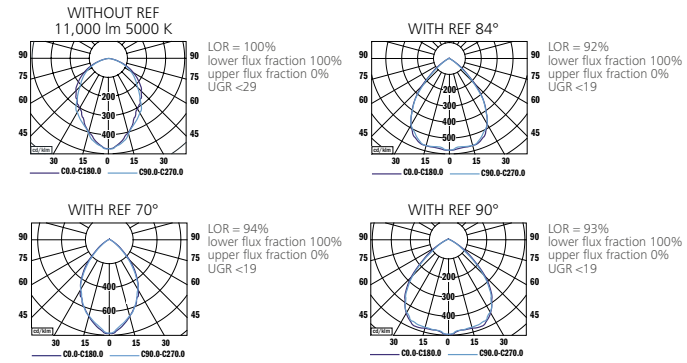
MYAR SURFACED

PRISMA  
LED

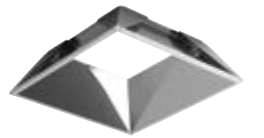


# Myar Surfaceted

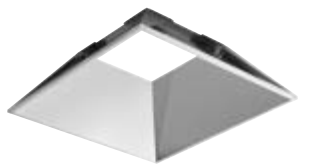
PHOTOMETRY



REFLECTOR 70°



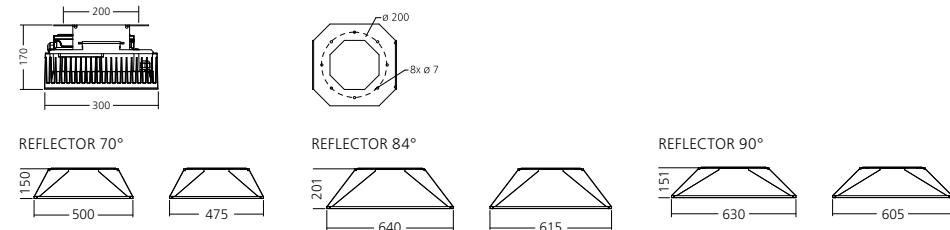
REFLECTOR 84°



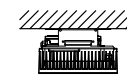
REFLECTOR 90°



MOUNTING PLATE



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
MYAR SFD	10,150	94	108	80+	3000	93°	10.0
MYAR SFD	10,650	94	113	80+	4000	93°	10.0
MYAR SFD	11,000	94	117	80+	5000	93°	10.0
MYAR SFD	12,300	106	116	80+	3000	93°	10.0
MYAR SFD	12,950	106	122	80+	4000	93°	10.0
MYAR SFD	13,300	106	125	80+	5000	93°	10.0

Luminous flux tolerance +/- 10%.

**EN**  
**Mounting**  
 Ceiling surfaced (SFD)  
**Light source**  
 LED  
**Optical system**  
 Prismatic diffuser (PRD)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
 Housing: die-cast aluminium + sheet steel  
 Diffuser: PMMA + glass  
**Surface finish**  
 Housing: black RAL 9005 (B05)  
**Accessories**  
 Protective foil available for food industry applications according to IFS (International Food Standard)  
 Reflector (beam angle 70°/84°/90°)  
**Service lifetime**  
 50,000 hours/L80  
**Ambient temperature**  
 From -40 °C to +35 °C

**DE**  
**Montage**  
 Deckenleuchte (SFD)  
**Lichtquelle**  
 LED  
**Optisches System**  
 Prismatischer Diffusor (PRD)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
 Körper: Aluminiumdruckguss + Stahlblech  
 Diffusor: PMMA + Glas  
 Oberflächenveredelung  
 Körper: schwarz RAL 9005 (B05)  
**Zubehör**  
 Schutzfolie gemäß IFS (International Food Standard) für Anwendungen in der Nahrungsmittelindustrie erhältlich  
 Reflektor (Lichtstrahlwinkel 70°/84°/90°)  
**Dauerde de vie utile**  
 50,000 Stunden/L80  
**Umgebungstemperatur**  
 Von -40 °C bis +35 °C

**FR**  
**Montage**  
 Plafonnier apparent (SFD)  
**Source lumineuse**  
 LED  
**Système optique**  
 Diffuseur prisme (PRD)  
**Équipement électrique**  
 Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
 Corps: aluminium moulé sous pression + tôle d'acier  
 Diffusor: PMMA + skio  
**Finition de surface**  
 Corps: noir RAL 9005 (B05)  
**Accessoires**  
 Feuille protectrice disponible pour l'industrie alimentaire selon la norme IFS (International Food Standard)  
 Réflecteur (angle de faisceau 70°/84°/90°)  
**Durée de vie utile**  
 50,000 heures/L80  
**Température ambiante**  
 De -40 °C à +35 °C

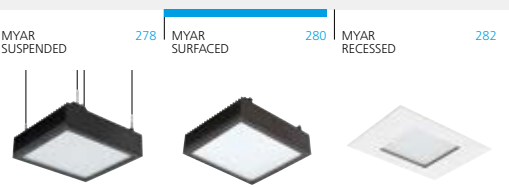
**SK**  
**Montáž**  
 Prísadené (SFD)  
**Svetelný zdroj**  
 LED  
**Optický systém**  
 Prizmatický difúzor (PRD)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
 Teleso: hliníkový odliatok + oceľový plech  
 Difúzor: PMMA + skio  
**Povrchová úprava**  
 Teleso: čierna RAL 9005 (B05)  
**Príslušenstvo**  
 Ochranná fólia určená pre potravinový priemysel súlade s IFS (International Food Standard)  
 Reflektor (uhol vyžarovania 70°/84°/90°)  
**Servicená životnosť**  
 50,000 hodín/L80  
**Teplota okolia**  
 Od -40 °C do +35 °C

**ES**  
**Montaje**  
 Sobrepuestas en el techo (SFD)  
**Fuente luminica**  
 LED  
**Sistema óptico**  
 Difusor prismático (PRD)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
 Cuerpo: aluminio moldeado + lámina de acero  
 Difusor: PMMA + cristal  
**Tratamiento de la superficie**  
 Cuerpo: negro RAL 9005 (B05)  
**Accesorios**  
 Lámina protectora disponible para aplicaciones alimentarias según IFS (Estándar Alimentario Internacional)  
 Reflectores (ángulo de haz 70°/84°/90°)  
**Vida útil**  
 50,000 horas/L80  
**Temperatura ambiente**  
 Desde -40 °C a +35 °C

**IT**  
**Installazione**  
 A plafone (SFD)  
**Sorgente luminosa**  
 LED  
**Sistema ottico**  
 Diffusore prismatico (PRD)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
 Corpo: pressofusione di alluminio + lamina d'acciaio  
 Diffusore: PMMA + vetro  
**Finitura**  
 Corpo: nero RAL 9005 (B05)  
**Accessori**  
 Pellicola protettiva disponibile per applicazioni nell'industria alimentare secondo le IFS (International Food Standard)  
 Riflettori (angolo a fascio 70°/84°/90°)  
**Durata di vita**  
 50,000 ore/L80  
**Temperatura d'ambiente**  
 Da -40 °C a +35 °C

**RU**  
**Установка**  
 Потолочная накладная (SFD)  
**Источник света**  
 LED  
**Оптическая система**  
 Призматический рассеиватель (PRD)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
 Корпус: литой алюминий + листовая сталь  
 Рассеиватель: полиметилметакрилат + стекло  
 Отделка поверхности  
 Корпус: черный RAL 9005 (B05)  
**Аксессуары**  
 Защитная фольга для применения в пищевой промышленности в соответствии с Международным пищевым стандартом (IFS)  
 Отражатель (угол луча 70°/84°/90°)  
**Срок службы**  
 50,000 часов/L80  
**Температура окружающей среды**  
 От -40 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	PROTECTION DEGREE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
MYAR system efficacy up to 125 lm/W	80+Ra	3000 K 4000 K 5000 K	ECG FIX ECG DALI	IP 65 IK 07	RECESSED SURFACED SUSPENDED	up to 13,300 lm	REFLECTOR 70° 84° 90° PROTECTIVE FOIL available for food industry applications according to IFS (International Food Standard)



LUMINAIRES WITH HIGH PROTECTION DEGREE



MYAR RECESSED

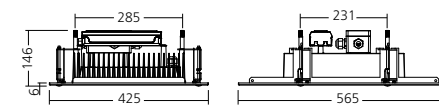
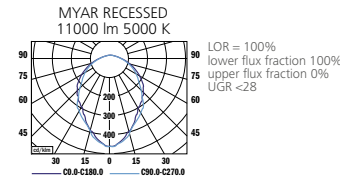
PRISMA

LED



# Myar Recessed

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE	WEIGHT (kg)
MYAR RCS	10,150	94	108	80+	3000	93°	13.1
MYAR RCS	10,650	94	113	80+	4000	93°	13.1
MYAR RCS	11,000	94	117	80+	5000	93°	13.1
MYAR RCS	12,300	106	116	80+	3000	93°	13.1
MYAR RCS	12,950	106	122	80+	4000	93°	13.1
MYAR RCS	13,300	106	125	80+	5000	93°	13.1

Luminous flux tolerance +/- 10%.

EN

**Mounting**  
Ceiling recessed (RCB)

**Light source**  
LED

**Optical system**  
Prismatic diffuser (PRD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: die-cast aluminium + sheet steel  
Diffuser: PMMA + glass  
Mounting plate: sheet steel

**Surface finish**  
Frame: White RAL 9003 (W03)  
Housing: black RAL 9005 (B05)

**Accessories**  
Protective foil available for food industry applications according to IFS (International Food Standard)

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -40 °C to +35 °C

DE

**Montage**  
Einbauleuchte (RCB)

**Lichtquelle**  
LED

**Optisches System**  
Prismatischer Diffusor (PRD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Aluminiumdruckguss + Stahlblech  
Diffusor: PMMA + Glas  
Montageplatte: Stahlblech

**Oberflächenveredelung**  
Rahmen: Weiss RAL 9003 (W03)  
Körper: Schwarz RAL 9005 (B05)

**Zubehör**  
Schutzfolie gemäß IFS (International Food Standard) für Anwendungen in der Nahrungsmittelindustrie erhältlich

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -40 °C bis +35 °C

FR

**Montage**  
Plafonnier encastrable (RCB)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur prisme (PRD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: aluminium moulé sous pression + tôle d'acier  
Diffuseur: PMMA + verre  
Plaque de montage: tôle d'acier

**Finition de surface**  
Cadre: Blanc RAL 9003 (W03)  
Corps: noir RAL 9005 (B05)

**Accessoires**  
Feuille protectrice disponible pour l'industrie alimentaire selon la norme IFS (International Food Standard)

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -40 °C à +35 °C

SK

**Montáž**  
Vsadené (RCB)

**Svetelný zdroj**  
LED

**Optický systém**  
Prizmatický difúzor (PRD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: hliníkový odliatok + oceľový plech  
Difúzor: PMMA + sklo  
Montážna platňa: oceľový plech

**Povrchová úprava**  
Rám: Biela RAL 9003 (W03)  
Teleso: Čierna RAL 9005 (B05)

**Príslušenstvo**  
Ochranná fólia určená pre potravinový priemysel súlade s IFS (International Food Standard)

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -40 °C do +35 °C

ES

**Montaje**  
Empotradas en el techo (RCB)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor prismático (PRD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: aluminio moldeado + lámina de acero  
Difusor: PMMA + cristal  
Placa de montaje: lámina de acero

**Tratamiento de la superficie**  
Marco: Blanco RAL 9003 (W03)  
Cuerpo: negro RAL 9005 (B05)

**Accesorios**  
Lámina protectora disponible para aplicaciones alimentarias según IFS (Estándar Alimentario Internacional)

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -40 °C a +35 °C

IT

**Installazione**  
Ad incasso a soffitto (RCB)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore prismatico (PRD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: pressofusione di alluminio + lamina d'acciaio  
Diffusore: PMMA + vetro  
Piastra di installazione: lamina d'acciaio

**Finitura**  
Cornice: Bianco RAL 9003 (W03)  
Corpo: nero RAL 9005 (B05)

**Accessori**  
Pellicola protettiva disponibile per applicazioni nell'industria alimentare secondo le IFS (International Food Standard)

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -40 °C a +35 °C

RU

**Установка**  
Потолочная встроенная (RCB)

**Источник света**  
LED

**Оптическая система**  
Призматического рассеиватель (PRD)

**Электрическое оснащение**  
Электронный пускорегулирующий аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: литой алюминий + листовая сталь  
Рассеиватель: полиметилметакрилат + стекло  
Монтажная пластина: листовая сталь

**Отделка поверхности**  
Каркас: белый RAL 9003 (W03)  
Корпус: черный RAL 9005 (B05)

**Аксессуары**  
Защитная фольга для применения в пищевой промышленности в соответствии с Международным пищевым стандартом (IFS)

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -40 °C до +35 °C

SPECIFICATION MATRIX	CRI	CCT	ECG	PROTECTION DEGREE	MOUNTING	NET LUMEN OUTPUT	ACCESSORIES
	80+Ra	3000 K 4000 K 5000 K	ECG FIX ECG DALI ECG 1-10V	IP 65 IK 07	RECESSED SURFACED SUSPENDED	up to 13,300 lm	REFLECTOR 70° 84° 90° PROTECTIVE FOIL available for food industry applications according to IFS (International Food Standard)





Tornado Led



# TORNADO LED / LED WIDE

OPAL DIF / WIDE REF

LED

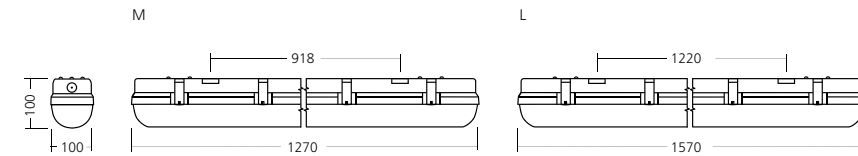
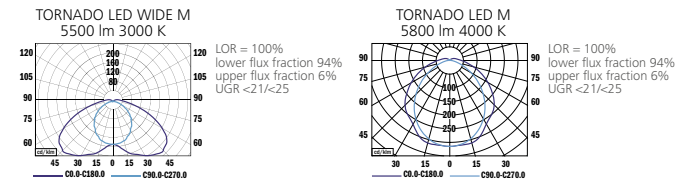
LED

FASTRUNNER

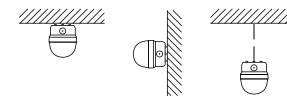


# Tornado Led / Led Wide

## PHOTOMETRY



## MOUNTING



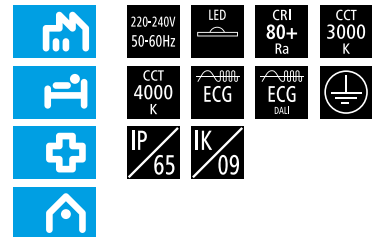
TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
TORNADO LED M	2950	27	109	80+	3000	122°, 96°	2.0
TORNADO LED M	3100	27	115	80+	4000	122°, 96°	2.0
TORNADO LED M	3950	36	110	80+	3000	122°, 96°	2.0
TORNADO LED M	4100	36	114	80+	4000	122°, 96°	2.0
TORNADO LED M	5600	51	110	80+	3000	122°, 96°	2.0
TORNADO LED M	5800	51	114	80+	4000	122°, 96°	2.0
TORNADO LED L	3950	36	110	80+	3000	118°, 93°	2.5
TORNADO LED L	4100	36	114	80+	4000	118°, 93°	2.5
TORNADO LED M MEDIUM WIDE	2900	27	107	80+	3000	147°, 98°	2.2
TORNADO LED M MEDIUM WIDE	3050	27	113	80+	4000	147°, 98°	2.2
TORNADO LED M MEDIUM WIDE	3900	36	108	80+	3000	147°, 98°	2.2
TORNADO LED M MEDIUM WIDE	4050	36	113	80+	4000	147°, 98°	2.2
TORNADO LED M MEDIUM WIDE	5500	51	108	80+	3000	147°, 98°	2.2
TORNADO LED M MEDIUM WIDE	5800	51	114	80+	4000	147°, 98°	2.2
TORNADO LED L MEDIUM WIDE	3900	36	108	80+	3000	147°, 98°	2.7
TORNADO LED L MEDIUM WIDE	4050	36	113	80+	4000	147°, 98°	2.7

Luminous flux tolerance +/- 10%.

WIDE



SUS 1.25 C0/020 SUSPENSION 20



EN

**Mounting**  
 Surfaced/Suspended (S/S)  
**Light source**  
 LED  
**Optical system**  
 Opal diffuser (OPD)  
 Wide reflector (DRE)  
**Wiring**  
 Through wiring (three options of phase connection - L1 / L2 / L3)  
 Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
 Housing: grey injected polycarbonate  
 Clips: polycarbonate  
 Diffuser: transparent injected PC + opal foil  
 Clips: polycarbonate  
**Accessories**  
 Clips: stainless steel (INOX)  
 Rope suspension  
 Connector WIELAND RST 2015  
**Service lifetime**  
 50,000 hours/L80  
**Ambient temperature**  
 From -20 °C to +35 °C

DE

**Montage**  
 Deckenleuchte/Hängend (S/S)  
**Lichtquelle**  
 LED  
**Optisches System**  
 Opaler Diffusor (OPD)  
 Breiter Reflektor (DRE)  
**Vorschaltgerät**  
 Durchgangsverdrahtung (drei Optionen von Phase-Anschluss - L1 / L2 / L3)  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
 Körper: grau Spritzguss-Polykarbonat  
 Abdeckung: Polykarbonat  
 Diffusor: transparentes PC, Spritzguss + opal Folie  
 Klips: Polykarbonat  
**Zubehör**  
 Klips: rostfreier Stahl (INOX)  
 Seilaufhängung  
 Anschluss WIELAND RST 2015  
**Lebensdauer**  
 50,000 Stunden/L80  
**Umgebungstemperatur**  
 Von -20 °C bis +35 °C

FR

**Montage**  
 Plafonnier apparent/Suspendu (S/S)  
**Source lumineuse**  
 LED  
**Système optique**  
 Diffuseur opale (OPD)  
 Réflecteur large (DRE)  
**Équipement électrique**  
 Câblage traversant (trois options de connexion de phase - L1 / L2 / L3)  
 Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
 Corps: polycarbonate gris injecté  
 Couverture: polycarbonate  
 Diffuseur: injecté transparent PC + feuille d'opale  
 Barrette: polycarbonate  
**Accessoires**  
 Barrette: tôle d'acier (INOX)  
 Câble de suspension  
 Connecteur WIELAND RST 2015  
**Durée de vie utile**  
 50,000 heures/L80  
**Température ambiante**  
 De -20 °C à +35 °C

SK

**Montáž**  
 Prísadené/Závesné (S/S)  
**Svetelný zdroj**  
 LED  
**Optický systém**  
 Opálový difúzor (OPD)  
 Široký reflektor (DRE)  
**Elektrická výbava**  
 Priebežné vinutie (tri možnosti pripojenia do fázy - L1 / L2 / L3)  
 Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
 Teleso: vstrekovaný šedý polykarbonát  
 Kryt: polykarbonát  
 Difúzor: transparentný vstrekovaný PC + opalová fólia  
 Držiaky: polykarbonát  
**Príslušenstvo**  
 Držiaky: nerezová oceľ (INOX)  
 Lankový záves  
 Konektor WIELAND RST 2015  
**Servisná životnosť**  
 50,000 hodín/L80  
**Teplota okolia**  
 Od -20 °C do +35 °C

ES

**Montaje**  
 Sobrepuestas en el techo/Suspendidas (S/S)  
**Fuente luminica**  
 LED  
**Sistema óptico**  
 Difusor ópalo (OPD)  
 Reflector amplia (DRE)  
**Cableado**  
 A través de cableado (tres opciones de conexión de fase - L1 / L2 / L3)  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
 Cuerpo: polycarbonato gris inyectado  
 Cubierta: polycarbonato  
 Difusor: PC inyectado transparente + lámina opal  
 Enganches: polycarbonato  
**Accesorios**  
 Enganches: acero inoxidable (INO)  
 Cable de suspensión  
 Conector WIELAND RST 2015  
**Vida útil**  
 50,000 horas/L80  
**Temperatura ambiente**  
 Desde -20 °C a +35 °C

IT

**Installazione**  
 A plafone/A sospensione(S/S)  
**Sorgente luminosa**  
 LED  
**Sistema ottico**  
 Diffusore opale (OPD)  
 Riflettore ampia (DRE)  
**Cablaggio**  
 Cablaggio passante (tre opzioni di connessione - fase L1 / L2 / L3)  
 Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
 Corpo: polycarbonato grigio a iniezione  
 Copertura: polycarbonato  
 Diffusore: PC a iniettato trasparente + foglio opale  
 Clip: polycarbonato  
**Accessori**  
 Clip: acciaio inossidabile (INOX)  
 Cavo di sospensione  
 Connettore WIELAND RST 2015  
**Durata di vita**  
 50,000 ore/L80  
**Temperatura d'ambiente**  
 Da -20 °C a +35 °C

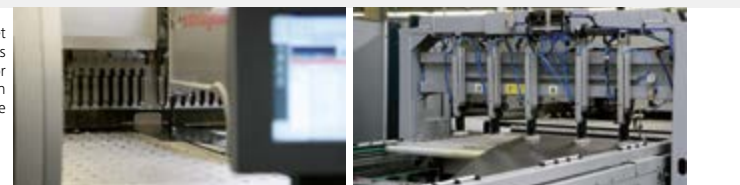
RU

**Установка**  
 Потолочная накладная/Подвесная (S/S)  
**Источник света**  
 LED  
**Оптическая система**  
 Матовый рассеиватель (OPD)  
 Широкий отражатель (DRE)  
**Электрическое оснащение**  
 Сквозной проводкой (три варианта подключения фаз - L1 / L2 / L3)  
 Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
 Корпус: инжектированный серый поликарбонат  
 Крышка: поликарбонат  
 Рассеиватель: прозрачные вводят ПК + опалом фольгой  
 Зажимы: поликарбонат  
**Аксессуары**  
 Зажимы: нержавеющая сталь (INOX)  
 Тросовый подвес  
 Соединитель WIELAND RST 2015  
**Срок службы**  
 50,000 часов/L80  
**Температура окружающей среды**  
 От -20 °C до +35 °C

Fast, reliable, powerful and flexible – mass production without compromise.

We have three SALVAGNINI production lines, each comprising two separate sections that communicate over a network and are interlinked with conveyors. The first sections of the production lines are the punching centres, where holes are cut in the sheet metal using any of 60 readily available punching tools. From there, the semi-finished parts are automatically passed to the second sections of the lines, the bending centres. Here

the sheet metal parts are bent according to preset programmes. Once this is done, only welding is needed to complete the housing construction. or in the case of some luminaires, the construction is completed with the folding operation of the SALVAGNINI lines.



NEW

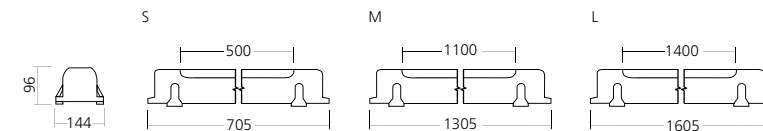
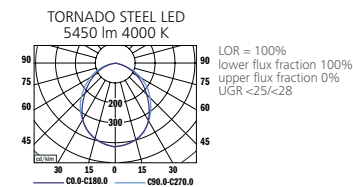
**TORNADO STEEL LED**OPAL DIF / WIDE REF  
LED

LED

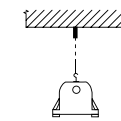


# Tornado Steel LED

## PHOTOMETRY



## MOUNTING

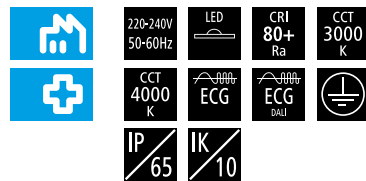


TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	BEAM ANGLE (C0-180, C90-270)	WEIGHT (kg)
TORNADO STEEL LED S	2550	24	106	80+	3000	93°	4.2
TORNADO STEEL LED S	2650	24	110	80+	4000	93°	4.2
TORNADO STEEL LED M	5250	49	107	80+	3000	93°	6.5
TORNADO STEEL LED M	5450	49	111	80+	4000	93°	6.5
TORNADO STEEL LED L	6600	62	107	80+	3000	93°	8.7
TORNADO STEEL LED L	6850	62	111	80+	4000	93°	8.7

Luminous flux tolerance +/- 10%.



CLIP



EN

**Mounting**  
Suspended (SSD)

**Light source**  
LED

**Optical system**  
Opal diffuser (OPD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)

**Materials**  
Housing: stainless steel  
Clips: stainless steel, securing screws  
Diffuser: sanded hardened glass

**Accessories**  
Rope suspension

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -20 °C to +35 °C

DE

**Montage**  
Hängend (SSD)

**Lichtquelle**  
LED

**Optisches System**  
Opaler Diffusor (OPD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)

**Material**  
Körper: Edelstahl  
Clips: Edelstahl, Sicherungsschrauben  
Diffusor: sandgestraht Hartglass

**Zubehör**  
Seilauflhängung

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -20 °C bis +35 °C

FR

**Montage**  
Suspendu (SSD)

**Source lumineuse**  
LED

**Système optique**  
Diffuseur opale (OPD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)

**Matériels**  
Corps: acier inoxydable  
Barrette: acier inoxydable, vis de sreté  
Diffuseur: verre trempé sablé

**Accessoires**  
Câble de suspension

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -20 °C à +35 °C

SK

**Montáž**  
Závěsná (SSD)

**Svetelný zdroj**  
LED

**Optický systém**  
Opalový difúzor (OPD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)

**Material**  
Teleso: nehrdzavejúca oceľ  
Držiaky: nehrdzavejúca oceľ, poistné skrutky  
Difúzor: pieskované tvrdené sklo

**Príslušenstvo**  
Lankový záves

**Servisná životnosť**  
50,000 hodín/L80

**Teplota okolia**  
Od -20 °C do +35 °C

ES

**Montaje**  
Suspendidas (SSD)

**Fuente luminica**  
LED

**Sistema óptico**  
Difusor ópalo (OPD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)

**Material**  
Cuerpo: acero inoxidable  
Enganches: acero inoxidable, tornillos de seguridad  
Difusor: vidrio templado soplado

**Accesorios**  
Cable de suspensión

**Vida útil**  
50,000 horas/L80

**Temperatura ambiente**  
Desde -20 °C a +35 °C

IT

**Installazione**  
A sospensione(SSD)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Diffusore opale (OPD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)

**Materiali**  
Corpo: in acciaio inox  
Clip: in acciaio inox, viti di sicurezza  
Diffusore: vetro temperato sabbiato

**Accessori**  
Cavo di sospensione

**Durata di vita**  
50,000 ore/L80

**Temperatura d'ambiente**  
Da -20 °C a +35 °C

RU

**Установка**  
Подвесная (SSD)

**Источник света**  
LED

**Оптическая система**  
Матовый рассеиватель (OPD)

**Электронное оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)

**Материал**  
Корпус: нержавеющая сталь  
Защитные винты: нержавеющая сталь, предохранительные винты

**Аксессуары**  
Тросовый подвес

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -20 °C до +35 °C

Our products can easily be incorporated in BIM models.

We use Autodesk Revit to create 3D models of our products in RFA (Revit Family File) format, allowing architects, designers and planners to incorporate our products and LDT/IES data easily into their BIM models.







# Megin M



**MEGIN M**  
LENSES  
LED

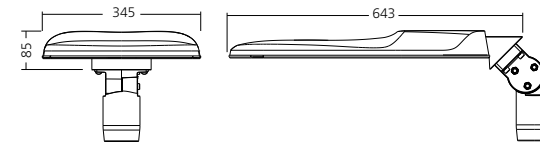
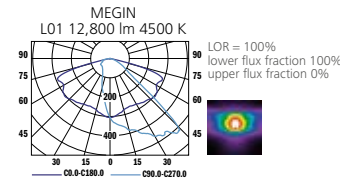
LED

FASTRUNNER

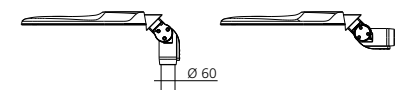


# Megin M

**PHOTOMETRY**



**MOUNTING**



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m²)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)	REPLACEMENT OF STANDARD
MEGIN M	2950	26	113	70+	4500	0.026/0.194	8.7	5-8	HPS 70 W
MEGIN M	3950	35	113	70+	4500	0.026/0.194	8.7	5-8	HPS 70 W
MEGIN M	4950	44	113	70+	4500	0.026/0.194	9.7	7-10	HPS 70 W
MEGIN M	6900	62	111	70+	4500	0.026/0.194	9.7	7-10	HPS 100 W
MEGIN M	8900	80	111	70+	4500	0.026/0.194	9.7	7-10	HPS 100 W
MEGIN M	10,850	97	112	70+	4500	0.026/0.194	9.7	8-12	HPS 150 W
MEGIN M	12,800	115	111	70+	4500	0.026/0.194	9.7	8-12	HPS 150 W

Luminous flux tolerance +/- 10%



220-240V  
50-60Hz

LED

CRI 70+ Ra

CCT 4500 K

ECG

ECG

ECG

IP 67

IK 08

**EN**

**Mounting**  
Pole-top/side entry installation (PMT)

**Light source**  
LED

**Optical system**  
Lenses (LNS)

**Wiring**  
Electronic control gear FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Materials**  
Housing: die-cast aluminium  
Cover: polycarbonate  
Frame: sheet steel  
Tilttable spigot: die cast aluminium

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
External lead-in flexible cable

**Service lifetime**  
100,000 hours/L80

**Ambient temperature**  
From -35 °C to +40 °C

**DE**

**Montage**  
Aufsatz-/Seitenansatz-Installation (PMT)

**Lichtquelle**  
LED

**Optisches System**  
Lentilles (LNS)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Körper: Aluminiumdruckguss  
Abdeckung: Polycarbonat  
Rahmen: Stahlblech  
Schwenkbarer Zapfen: Aluminiumdruckguss

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Externes Anschlusskabel

**Lebensdauer**  
100,000 Stunden/L80

**Umgebungstemperatur**  
Von -35 °C bis +40 °C

**FR**

**Montage**  
Installation supérieure du pôle/d'entrée latérale (PMT)

**Source lumineuse**  
LED

**Système optique**  
Lentilles (LNS)

**Équipement électrique**  
Ballast électronique FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Matériels**  
Corps: aluminium moulé sous pression  
Couvercle: polycarbonate  
Cadre: tôle d'acier  
Ergot inclinable: aluminium moulé sous pression

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Artère externe

**Durée de vie utile**  
100,000 heures/L80

**Température ambiante**  
De -35 °C à +40 °C

**SK**

**Montáž**  
Montáž na stĺp/zo strany (PMT)

**Svetelný zdroj**  
LED

**Optický systém**  
Sošovky (LNS)

**Elektrická výbava**  
Elektronický predradník FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Teleso: hliníkový odliatok  
Kryt: polykarbonát  
Rám: oceľový plech  
Sklopný nástavec: hliníkový odliatok

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Príslušenstvo**  
Prívodný napájací kábel

**Servisná životnosť**  
100,000 hodín/L80

**Teplota okolia**  
Od -35 °C do +40 °C

**ES**

**Montaje**  
Instalación en poste superior/de acceso lateral (PMT)

**Fuente luminica**  
LED

**Sistema óptico**  
Lentes (LNS)

**Cableado**  
Equipo de control electrónico FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Cuerpo: aluminio moldeado  
Cubierta: policarbonato  
Marco: lámina de acero  
Espiga inclinable: aluminio moldeado

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Accesorios**  
cable alimentador externo

**Vida útil**  
100,000 horas/L80

**Temperatura ambiente**  
Desde -35 °C a +40 °C

**IT**

**Installazione**  
Installazione testa palo/ingresso laterale (PMT)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Lenti (LNS)

**Cablaggio**  
Ballast elettronico FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Materiali**  
Corpo: pressofusione di alluminio  
Copertura: policarbonato  
Cornice: lamina d'acciaio  
Perno inclinabile: pressofusione di alluminio

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Accessori**  
Cavetto di alimentazione esterno

**Durata di vita**  
100,000 ore/L80

**Temperatura d'ambiente**  
Da -35 °C a +40 °C

**RU**

**Установка**  
Установка на верхушке мачты / со стороны входа (PMT)

**Источник света**  
LED

**Оптическая система**  
Линзы (LNS)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Материал**  
Корпус: литой алюминий  
Крышка: поликарбонат  
Каркас: листовая сталь  
Поворотный патрубок: литой алюминий

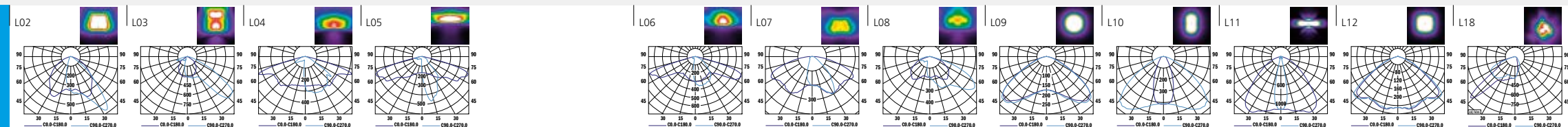
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Внешний свинца в гибком кабеле

**Срок службы**  
100,000 часов/L80

**Температура окружающей среды**  
От -35 °C до +40 °C

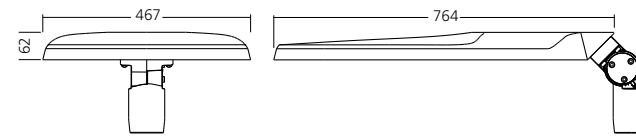
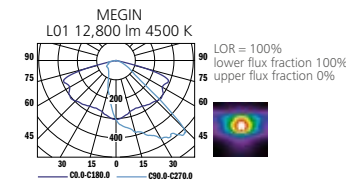
One efficient and effective luminaire with 13 light distribution options.



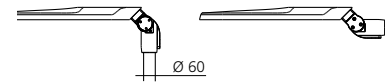




PHOTOMETRY



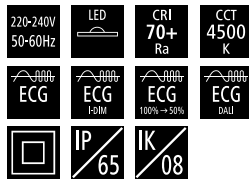
MOUNTING



# Megin L

TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m²)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)	REPLACEMENT OF STANDARD
MEGIN L	18,250	166	110	70+	4500	0.038/0.32	20.1	8-12	HPS 250 W
MEGIN L	20,100	183	110	70+	4500	0.038/0.32	20.1	8-12	HPS 250 W
MEGIN L	23,000	209	110	70+	4500	0.038/0.32	20.3	10-15	HPS 400 W

Luminous flux tolerance +/- 10%



EN

**Mounting**  
Pole-top/side entry installation (PMT)

**Light source**  
LED

**Optical system**  
Lenses (LNS)

**Wiring**  
Electronic control gear FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Materials**  
Housing: die-cast aluminium  
Cover: transparent hardened glass  
Frame: sheet steel  
Tilttable spigot: die cast aluminium

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
External lead-in flexible cable

**Service lifetime**  
100,000 hours/L80

**Ambient temperature**  
From -35 °C to +40 °C

DE

**Montage**  
Aufsatz-/Seitenansatz-Installation (PMT)

**Lichtquelle**  
LED

**Optisches System**  
Lentilles (LNS)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Körper: Aluminiumdruckguss  
Abdeckung: durchsichtiger gehärteter Glas  
Rahmen: Stahlblech  
Schwenkbarer Zapfen: Aluminiumdruckguss

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Externes Anschlusskabel

**Lebensdauer**  
100,000 Stunden/L80

**Umgebungstemperatur**  
Von -35 °C bis +40 °C

FR

**Montage**  
Installation supérieure du pôle/d'entrée latérale (PMT)

**Source lumineuse**  
LED

**Système optique**  
Lentilles (LNS)

**Équipement électrique**  
Ballast électronique FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Matériels**  
Corps: aluminium moulé sous pression  
Couvercle: verre trempé transparente  
Cadre: tôle d'acier  
Ergot inclinable: aluminium moulé sous pression

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Artère externe

**Durée de vie utile**  
100,000 heures/L80

**Température ambiante**  
De -35 °C à +40 °C

SK

**Montáž**  
Montáž na stĺp/zó strany (PMT)

**Svetelný zdroj**  
LED

**Optický systém**  
Sošovky (LNS)

**Elektrická výbava**  
Elektronický predradník FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Teleso: hliníkový odlitok  
Kryt: transparentné tvrdené sklo  
Rám: ocelový plech  
Sklopný nástavec: hliníkový odlitok

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Príslušenstvo**  
Prívodný napájací kábel

**Servisná životnosť**  
100,000 hodín/L80

**Teplota okolia**  
Od -35 °C do +40 °C

ES

**Montaje**  
Instalación en poste superior/de acceso lateral (PMT)

**Fuente luminica**  
LED

**Sistema óptico**  
Lentes (LNS)

**Cableado**  
Equipo de control electrónico FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Cuerpo: aluminio moldeado  
Cubierta: cristal endurecido transparente  
Marco: lámina de acero  
Espiga inclinable: aluminio moldeado

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Accesorios**  
Cable alimentador externo

**Vida útil**  
100,000 horas/L80

**Temperatura ambiente**  
Desde -35 °C a +40 °C

IT

**Installazione**  
Installazione testa palo/ingresso laterale (PMT)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Lenti (LNS)

**Cablaggio**  
Ballast elettronico FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Materiali**  
Corpo: pressofusione di alluminio  
Copertura: vetro temperato trasparente  
Cornice: lamina d'acciaio  
Perno inclinabile: pressofusione di alluminio

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Accessori**  
Cavetto di alimentazione esterno

**Durata di vita**  
100,000 ore/L80

**Temperatura d'ambiente**  
Da -35 °C a +40 °C

RU

**Установка**  
Установка на верхушке мачты / со стороны входа (PMT)

**Источник света**  
LED

**Оптическая система**  
Линзы (LNS)

**Электрическое оснащение**  
Электронный аппарат  
FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Материал**  
Корпус: литой алюминий  
Крышка: чистое закаленное стекло  
Каркас: листовая сталь  
Поворотный патрубок: литой алюминий

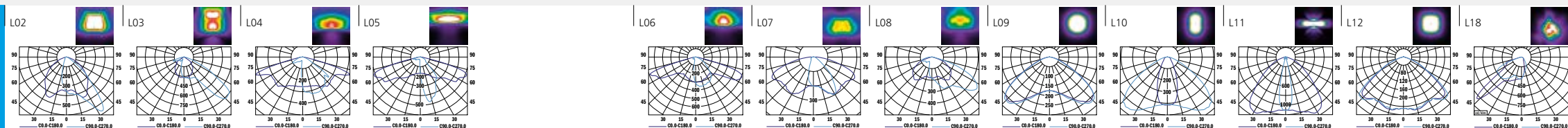
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Внешний свинца в гибком кабеле

**Срок службы**  
100,000 часов/L80

**Температура окружающей среды**  
От -35 °C до +40 °C

One efficient and effective luminaire with 13 light distribution options.

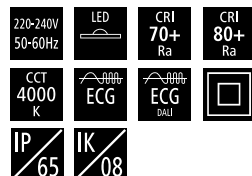


NEW

LED

IMMA  
LENS  
LED

Imma



EN

**Mounting**  
Pole-top/side entry installation (PMT)

**Light source**  
LED

**Optical system**  
Lens (LNS)

**Wiring**  
Accessible electronic control gear  
FIX/DALI (ECG/EDA)

**Materials**  
Housing: die-cast aluminium  
Cover: silicon

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
External lead-in flexible cable

**Service lifetime**  
50,000 hours/L80

**Ambient temperature**  
From -35 °C to +40 °C

DE

**Montage**  
Aufsatz-/Seitenansatz-Installation (PMT)

**Lichtquelle**  
LED

**Optisches System**  
Linse (LNS)

**Vorschaltgerät**  
Zugängig Elektronisches Vorschaltgerät  
FIX/DALI (ECG/EDA)

**Material**  
Körper: Aluminiumdruckguss  
Abdeckung: Silicon

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Externes Anschlusskabel

**Lebensdauer**  
50,000 Stunden/L80

**Umgebungstemperatur**  
Von -35 °C bis +40 °C

FR

**Montage**  
Installation supérieur du pôle/d'entrée latérale (PMT)

**Source lumineuse**  
LED

**Système optique**  
Lentille (LNS)

**Équipement électrique**  
Accostable ballast électronique  
FIX/DALI (ECG/EDA)

**Matériels**  
Corps: aluminium moulé sous pression  
Couvercle: silicone

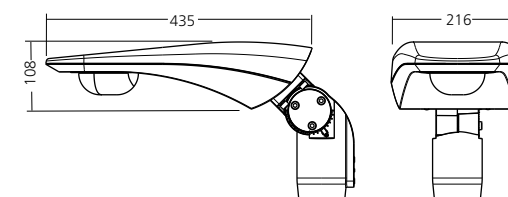
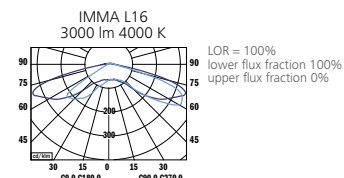
**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Artère externe

**Durée de vie utile**  
50,000 heures/L80

**Température ambiante**  
De -35 °C à +40 °C

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m <sup>2</sup> )	WEIGHT (kg)
IMMA	2000	20	150	70+	4000	0.025/0.075	5.0
IMMA	3950	27	146	70+	4000	0.025/0.075	5.0
IMMA	5050	27	140	70+	4000	0.025/0.075	5.0
IMMA	5050	36	140	70+	4000	0.025/0.075	5.0
IMMA	5900	44	134	70+	4000	0.025/0.075	5.0
IMMA	7000	55	127	70+	4000	0.025/0.075	5.0
IMMA	7550	59	128	70+	4000	0.025/0.075	5.0

Luminous flux tolerance +/- 10%



L13



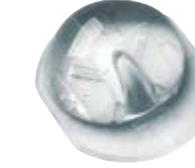
L14



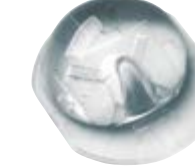
L15



L16



L17



RU

**Установка**  
Установка на верхушке мачты / со стороны входа (PMT)

**Источник света**  
LED

**Оптическая система**  
линза (LNS)

**Электрическое оснащение**  
Доступный элпра электронный аппарат  
FIX/DALI (ECG/EDA)

**Материал**  
Корпус: литой алюминий  
Крышка: силикон

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Внешний свинца в гибком кабеле

**Срок службы**  
50,000 часов/L80

**Температура окружающей среды**  
От -35 °C до +40 °C

LED light sources offer a great many advantages over conventional ones because they are fundamentally different technologies. This means that the development of LED products requires a fundamentally different approach to optical, electronic, thermal management and mechanical design.

The most obvious differences between conventional and LED luminaires are the optics, which must be tailored to the particular needs of LED light distribution. Although conventional optics are still the most widely used, LEDs have opened up the implementation of lenses and nanotechnologies. What's more, much development is also being made into optics incorporated directly in each LED die.





NEW

DALYA

LENSES

LED

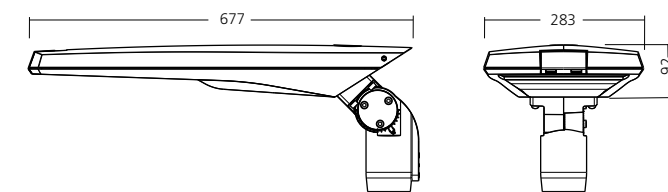
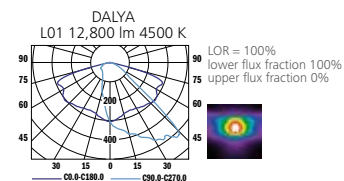
LED

FASTRUNNER

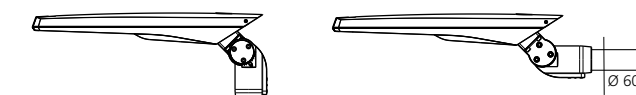


# Dalya

PHOTOMETRY



MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m²)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)	REPLACEMENT OF STANDARD
DALYA	2950	26	113	70+	4500	0.026/0.194	8.7	5-8	HPS 70 W
DALYA	3950	35	113	70+	4500	0.026/0.194	8.7	5-8	HPS 70 W
DALYA	4950	44	113	70+	4500	0.026/0.194	9.7	7-10	HPS 70 W
DALYA	6900	62	111	70+	4500	0.026/0.194	9.7	7-10	HPS 100 W
DALYA	8900	80	111	70+	4500	0.026/0.194	9.7	7-10	HPS 100 W
DALYA	10,850	97	112	70+	4500	0.026/0.194	9.7	8-12	HPS 150 W
DALYA	12,800	115	111	70+	4500	0.026/0.194	9.7	8-12	HPS 150 W

Luminous flux tolerance +/- 10%



220-240V 50-60Hz  
LED  
CRI 70+ Ra  
CCT 4500 K  
ECG  
ECG  
ECG  
IP 65  
IK 08

EN

**Mounting**  
Pole-top/side entry installation (PMT)  
**Light source**  
LED  
**Optical system**  
Lenses (LNS)  
**Wiring**  
Electronic control gear FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)  
**Materials**  
Housing: die-cast aluminium  
Cover: transparent hardened glass  
Frame: sheet steel  
Tiltable spigot: die cast aluminium  
**Surface finish**  
Housing: grey RAL 9006 (G06)  
**Accessories**  
External lead-in flexible cable  
**Service lifetime**  
100,000 hours/L80  
**Ambient temperature**  
From -35 °C to +40 °C

DE

**Montage**  
Aufsatz-/Seitenansatz-Installation (PMT)  
**Lichtquelle**  
LED  
**Optisches System**  
Lentilles (LNS)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)  
**Material**  
Körper: Aluminiumdruckguss  
Abdeckung: durchsichtiger gehärteter Glas  
Rahmen: Stahlblech  
Schwenkbarer Zapfen: Aluminiumdruckguss  
**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)  
**Zubehör**  
Externes Anschlusskabel  
**Lebensdauer**  
100,000 Stunden/L80  
**Umgebungstemperatur**  
Von -35 °C bis +40 °C

FR

**Montage**  
Installation supérieur du pôle/d'entrée latérale (PMT)  
**Source lumineuse**  
LED  
**Système optique**  
Lentilles (LNS)  
**Équipement électrique**  
Ballast électronique FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)  
**Matériels**  
Corps: aluminium moulé sous pression  
Couvercle: verre trempé transparente  
Cadre: tôle d'acier  
Ergot inclinable: aluminium moulé sous pression  
**Finition de surface**  
Corps: gris RAL 9006 (G06)  
**Accessoires**  
Artère externe  
**Durée de vie utile**  
100,000 heures/L80  
**Température ambiante**  
De -35 °C à +40 °C

SK

**Montáž**  
Montáž na stĺp/zo strany (PMT)  
**Svetelný zdroj**  
LED  
**Optický systém**  
Sošovky (LNS)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)  
**Material**  
Teleso: hliníkový odlitok  
Kryt: transparentné tvrdené sklo  
Rám: ocelový plech  
Sklopný nástavec: hliníkový odlitok  
**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)  
**Príslušenstvo**  
Prívodný napájací kábel  
**Servisná životnosť**  
100,000 hodín/L80  
**Teplota okolia**  
Od -35 °C do +40 °C

ES

**Montaje**  
Instalación en poste superior/de acceso lateral (PMT)  
**Fuente luminica**  
LED  
**Sistema óptico**  
Lentes (LNS)  
**Cableado**  
Equipo de control electrónico FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)  
**Material**  
Cuerpo: aluminio moldeado  
Cubierta: cristal endurecido transparente  
Marco: lámina de acero  
Espiga inclinable: aluminio moldeado  
**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)  
**Accesorios**  
cable alimentador externo  
**Vida útil**  
100,000 horas/L80  
**Temperatura ambiente**  
Desde -35 °C a +40 °C

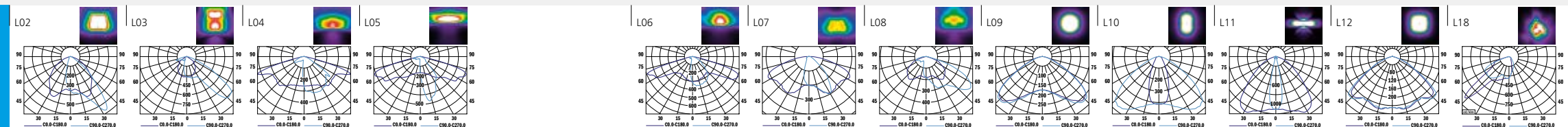
IT

**Installazione**  
Installazione testa palo/ingresso laterale (PMT)  
**Sorgente luminosa**  
LED  
**Sistema ottico**  
Lenti (LNS)  
**Cablaggio**  
Ballast elettronico FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)  
**Materiali**  
Corpo: pressofusione di alluminio  
Copertura: vetro temperato trasparente  
Cornice: lamina d'acciaio  
Perno inclinabile: pressofusione di alluminio  
**Finitura**  
Corpo: grigio RAL 9006 (G06)  
**Accessori**  
Cavetto di alimentazione esterno  
**Durata di vita**  
100,000 ore/L80  
**Temperatura d'ambiente**  
Da -35 °C a +40 °C

RU

**Установка**  
Установка на верхушке мачты / со стороны входа (PMT)  
**Источник света**  
LED  
**Оптическая система**  
Линзы (LNS)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)  
**Материал**  
Корпус: литой алюминий  
Крышка: чистое закаленное стекло  
Каркас: листовая сталь  
Поворотный патрубок: литой алюминий  
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)  
**Аксессуары**  
Внешний штепсель в гибком кабеле  
**Срок службы**  
100,000 часов/L80  
**Температура окружающей среды**  
От -35 °C до +40 °C

One efficient and effective luminaire with 13 light distribution options.



POST-TOP AND SIDE-ENTRY MOUNTING

SEMAI  
LENSES  
LED

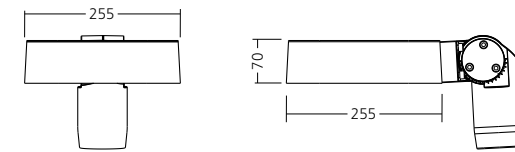
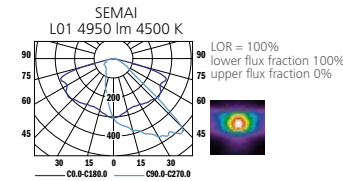
LED

FASTRUNNER

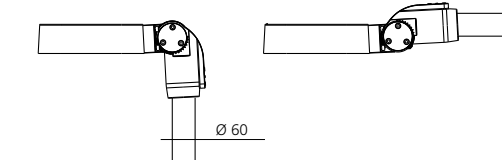


# Semai

### PHOTOMETRY

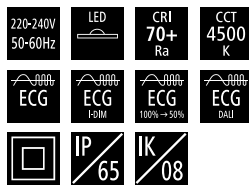


### MOUNTING



TYPE	NET LUMEN OUTPUT (at Ta = 25 °C) (lm)	POWER CONSUMPTION (W)	SYSTEM EFFICACY (lm/W)	COLOUR RENDERING INDEX CRI (Ra)	CORRELATED COLOUR TEMPERATURE CCT (K)	WINDAGE AREA SIDE / TOP (m²)	WEIGHT (kg)	RECOMENDED MOUNTING HEIGHT (m)	REPLACEMENT OF STANDARD HEIGHT
SEMAI	2950	27	109	70+	4500	0.018/0.062	7.6	5-8	HPS 70 W
SEMAI	3950	36	110	70+	4500	0.018/0.062	7.6	5-8	HPS 70 W
SEMAI	4950	45	110	70+	4500	0.018/0.062	8.4	7-10	HPS 70 W
SEMAI	5950	54	110	70+	4500	0.018/0.062	8.4	7-10	HPS 100 W
SEMAI	6950	63	110	70+	4500	0.018/0.062	8.4	7-10	HPS 100 W
SEMAI	8900	81	110	70+	4500	0.018/0.062	8.4	7-10	HPS 100 W

Luminous flux tolerance +/- 10%



### EN

**Mounting**  
Pole-top/side entry installation (PMT)

**Light source**  
LED

**Optical system**  
Lenses (LNS)

**Wiring**  
Electronic control gear FIX/DALI/  
STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Materials**  
Housing: die-cast aluminium  
Cover: transparent hardened glass  
Frame: sheet steel  
Tilttable spigot: die cast aluminium

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
External lead-in flexible cable

**Service lifetime**  
100,000 hours/L80

**Ambient temperature**  
From -35 °C to +40 °C

### DE

**Montage**  
Aufsatz-/Seitenansatz-Installation (PMT)

**Lichtquelle**  
LED

**Optisches System**  
Linsen (LNS)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI/  
STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Körper: Aluminiumdruckguss  
Abdeckung: durchsichtiger gehärteter Glas  
Rahmen: Stahlblech  
Schwenkbarer Zapfen: Aluminiumdruckguss

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Externes Anschlusskabel

**Lebensdauer**  
100,000 Stunden/L80

**Umgebungstemperatur**  
Von -35 °C bis +40 °C

### FR

**Montage**  
Installation supérieure du pôle/d'entrée latérale (PMT)

**Source lumineuse**  
LED

**Système optique**  
Lentilles (LNS)

**Équipement électrique**  
Ballast électronique FIX/DALI/  
STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Matériels**  
Corps: aluminium moulé sous pression  
Couvercle: verre trempé transparente  
Cadre: tôle d'acier  
Ergot inclinable: aluminium moulé sous pression

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Artère externe

**Durée de vie utile**  
100,000 heures/L80

**Température ambiante**  
De -35 °C à +40 °C

### SK

**Montáž**  
Montáž na stĺp/zo strany (PMT)

**Svetelný zdroj**  
LED

**Optický systém**  
Sošovky (LNS)

**Elektrická výbava**  
Elektronický predradník FIX/DALI/  
STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Teleso: hliníkový odliatok  
Kryt: transparentné tvrdené sklo  
Rám: ocelový plech  
Sklopný nástavec: hliníkový odliatok

**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)

**Príslušenstvo**  
Prívodný napájací kábel

**Servisná životnosť**  
100,000 hodín/L80

**Teplota okolia**  
Od -35 °C do +40 °C

### ES

**Montaje**  
Instalación en poste superior/de acceso lateral (PMT)

**Fuente luminica**  
LED

**Sistema óptico**  
Lentes (LNS)

**Cableado**  
Equipo de control electrónico FIX/DALI/STEP DIM/  
INT DIM (ECG/EDA/EDB/EDP)

**Material**  
Cuerpo: aluminio moldeado  
Cubierta: cristal endurecido transparente  
Marco: lámina de acero  
Espiga inclinable: aluminio moldeado

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Accesorios**  
cable alimentador externo

**Vida útil**  
100,000 horas/L80

**Temperatura ambiente**  
Desde -35 °C a +40 °C

### IT

**Installazione**  
Installazione testa palo/ingresso laterale (PMT)

**Sorgente luminosa**  
LED

**Sistema ottico**  
Lenti (LNS)

**Cablaggio**  
Ballast elettronico FIX/DALI/  
STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Materiali**  
Corpo: pressofusione di alluminio  
Copertura: vetro temperato trasparente  
Cornice: lamina d'acciaio  
Perno inclinabile: pressofusione di alluminio

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Accessori**  
Cavetto di alimentazione esterno

**Durata di vita**  
100,000 ore/L80

**Temperatura d'ambiente**  
Da -35 °C a +40 °C

### RU

**Установка**  
Установка на вершшке мачты / со стороны входа (PMT)

**Источник света**  
LED

**Оптическая система**  
Линзы (LNS)

**Электрическое оснащение**  
Электронный аппарат  
FIX/DALI/STEP DIM/INT DIM (ECG/EDA/EDB/EDP)

**Материал**  
Корпус: литой алюминий  
Крышка: чистое закаленное стекло  
Каркас: листовая сталь  
Поворотный патрубок: литой алюминий

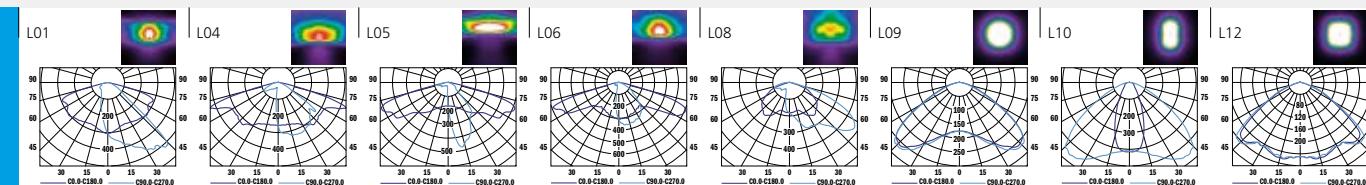
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Внешний свинца в гибком кабеле

**Срок службы**  
100,000 часов/L80

**Температура окружающей среды**  
От -35 °C до +40 °C

One efficient and effective luminaire with 8 light distribution options.



POST-TOP AND SIDE-ENTRY MOUNTING





# Conventional Luminaires

# CONVENTIONAL LUMINAIRES

## RECESSED LUMINAIRES

INDIRECT C 308	INDIRECT C-P 308	INDIRECT C-M 308	INDIRECT C PAR-V2 / PAR MAT-V2 310	INDIRECT C-D PAR-V2 / PAR MAT-V2 312
RELAX A2 318	RELAX A3 318	RELAX A8 320	RELAX ASYM 322	RELAX DIF 324
RELAX XTP IP54 DIF 332	RELAX XTP IP65 PAR / PAR MAT 332	RELAX XTP IP65 DIF 332		

INDIRECT F-S PAR-V2 / PAR MAT-V2 314	INDIRECT F-D PAR-V2 / PAR MAT-V2 314	INDIRECT F-S MICROPRISMA 316	INDIRECT F-DUO MICROPRISMA 316	RELAX A1 318
RELAX H PAR-V2 / PAR MAT-V2 326	RELAX H DIF 326	RELAX LA / LB / LAM 328	RELAX PAR / PAR MAT 330	RELAX XTP IP54 PAR / PAR MAT 332

## SURFACED AND SUSPENDED LUMINAIRES

QUARK II 334	LAMBDA PAR-V2 / PAR MAT-V2 336	ENN PAR-V2 / PAR MAT-V2 338	ENN MICROPRISMA 338	EXE II PAR-V2 / PAR MAT-V2 340
CLASSIC XTP PAR / PAR MAT 352	CLASSIC XTP DIF 352			

CLASSIC ASYM 342	CLASSIC DIF 344	CLASSIC LA / LB / LAM 346	CLASSIC PAR / PAR MAT 348	CLASSIC PAR-V2 / PAR MAT-V2 350



# CONVENTIONAL LUMINAIRES

## CONTINUOUS LINES AND TRUNKING SYSTEMS

RELAX H LINE DIF RECESSED 354	RELAX H LINE PAR-V2 / PAR MAT-V2 RECESSED 354	LAMBDA II LINE ASYMMETRIC S/S 356	LAMBDA II LINE PAR-V2 / PAR MAT-V2 S/S 356	LAMBDA II LINE DIF S/S 356
RANGE LINE PAR-V2 SURFACED / SUSPENDEED 360	PRESTIGE FDH 362			

RANGE LINE ASYM RECESSED 358	RANGE LINE DIF RECESSED 358	RANGE LINE PAR-V2 / PAR MAT-V2 RECESSED 358	RANGE LINE ASYM SURFACED / SUSPENDEED 360	RANGE LINE DIF SURFACED / SUSPENDEED 360

## DOWNLIGHTS

PRO RECESSED 374	PRO 211 RECESSED 376	PRO 212 RECESSED 378	PRO SURFACED 380


## LUMINAIRES WITH HIGH PROTECTION DEGREE

RELAX XTP IP65 PAR / PAR MAT 332	RELAX XTP IP65 DIF 332	TORNADO FD/FDH 382	


# INDIRECT C / C-P / C-M

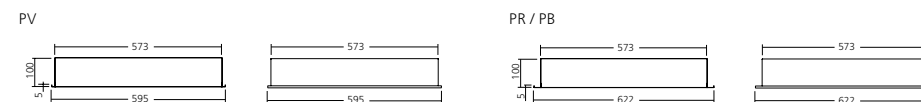
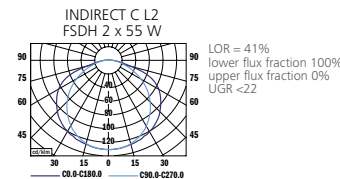
DECOR L1 / L2  
FSD / FSDH

FASTRUNNER



# Indirect C / C-P / C-M

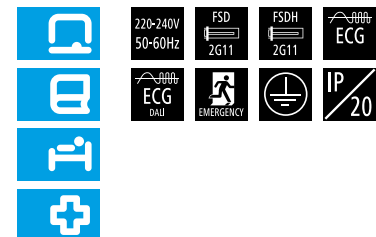
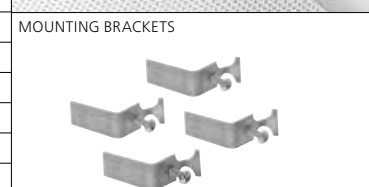
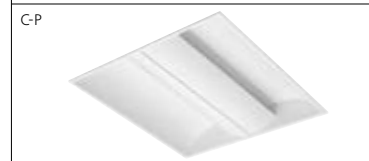
## PHOTOMETRY



## MOUNTING



TYPE	OPTICAL SYSTEM SHADE		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	L1	L2				1H	3H		
INDIRECT C	•	•	2 x 36	FSD	2G11	•	•	A	6.4
INDIRECT C	•	•	2 x 40	FSDH	2G11	•	•	A+ / A	6.4
INDIRECT C	•	•	2 x 55	FSDH	2G11	•	•	A+ / A	6.4
INDIRECT C-P	•	•	2 x 36	FSD	2G11	•	•	A	6.5
INDIRECT C-P	•	•	2 x 40	FSDH	2G11	•	•	A+ / A	6.5
INDIRECT C-P	•	•	2 x 55	FSDH	2G11	•	•	A+ / A	6.5
INDIRECT C-M	•	•	1 x 36	FSD	2G11	•	•	A	6.4
INDIRECT C-M	•	•	1 x 40	FSDH	2G11	•	•	A+ / A	6.4
INDIRECT C-M	•	•	1 x 55	FSDH	2G11	•	•	A+ / A	6.4



## EN

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Compact fluorescent lamp (FSD/FSDH)  
**Optical system**  
Shade (C)  
Two bottom shades (C-P/C-S)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Shade: sheet steel solid (DECOR L1)/ perforated (DECOR L2)  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

## DE

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Kompakte Leuchtstofflampe (FSD/FSDH)  
**Optisches System**  
Lampenschirm (C)  
Doppellampenschirme s (C-P/C-S)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Lampenschirm: Stahlblech ungelocht (DECOR L1)/ gelocht (DECOR L2)  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

## FR

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente compacte (FSD/FSDH)  
**Système optique**  
Ombre (C)  
Deux ombres profondes s (C-P/C-S)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Ombre: tôle d'acier solide (DECOR L1)/ perforée (DECOR L2)  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

## SK

**Montáž**  
Vsadené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Kompaktná fluorescenčná žiarivka (FSD/FSDH)  
**Optický systém**  
Tienidlo (C)  
Dve bočné tienidlá s (C-P/C-S)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: oceľový plech  
Tienidlo: oceľový plech plný (DECOR L1)/ dierkovaný (DECOR L2)  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

## ES

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente luminica**  
Lámpara fluorescente compacta (FSD/FSDH)  
**Sistema óptico**  
Pantalla (C)  
Dos pantallas de fondo s (C-P/C-S)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Pantalla: lámina de acero sólido (DECOR L1)/ perforada (DECOR L2)  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

## IT

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente compatta (FSD/FSDH)  
**Sistema ottico**  
Schermo (C)  
Due schermi inferiori s (C-P/C-S)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Schermo: lamina di metallo piena (DECOR L1)/ forata (DECOR L2)  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

## RU

**Установка**  
Потолочная встраиваемая  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Компактная люминесцентная лампа (FSD/FSDH)  
**Оптическая система**  
Экран (C)  
Два нижних экрана s (C-P/C-S)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Экран: листовая сталь сплошная (DECOR L1)/ или перфорированная (DECOR L2)  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

Designed to ensure visual comfort and create a pleasant ambience.

Designed specifically for general illumination purposes in a variety of applications, the stylish Indirect range enables high levels of visual comfort by combining direct and indirect distribution of the light within the luminaire, which minimises glare. In the case of variants with solid or perforated shades, the light source is shielded from view and only softly reflected light is directed from the luminaire. The solid shade offers a very pleasant ambience whereas the perforated shade ensures a markedly increased overall luminaire efficacy.



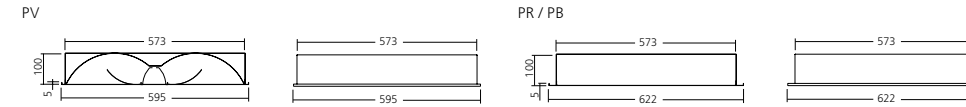
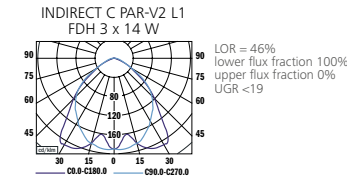


**INDIRECT C**  
PAR-V2 / PAR MAT-V2  
FDH

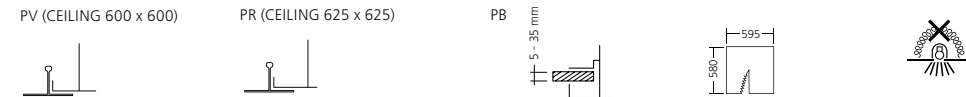


# Indirect C

**PHOTOMETRY**



**MOUNTING**



TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE		SHADE					1H	3H		
	PAR-V2	PAR MAT-V2	L1	L2							
INDIRECT C	•	•	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	6.6
INDIRECT C	•	•	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	6.6

**MOUNTING BRACKETS**



**EN**

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Two bottom shades  
Parabolic louvre PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Two bottom shades: sheet steel solid (DECOR L1)/perforated (DECOR L2)  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Doppellampenschirme  
Parabolischer Raster PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Doppellampenschirme: Stahlblech ungelocht (DECOR L1)/gelocht (DECOR L2)  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Deux ombres profondes  
Grille parabolique PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Deux ombres profondes: tôle d'acier solide (DECOR L1)/perforée (DECOR L2)  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

**SK**

**Montáž**  
Vsaďené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Dve bočné tienidlá  
Parabolická mriežka PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: ocelový plech  
Parabolická mriežka: leštený/matný hliník  
Dve bočné tienidlá: ocelový plech plný (DECOR L1)/dierkovaný (DECOR L2)  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

**ES**

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente lumínica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Dos pantallas de fondo  
Rejilla parabólica PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Dos pantallas de fondo: lámina de acero sólido (DECOR L1)/perforada (DECOR L2)  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

**IT**

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Due schermi inferiori  
Griglia parabolica PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco (DECOR L1)/forata (DECOR L2)  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

**RU**

**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Два нижних экрана  
Парabolическая решетка PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Парabolическая решетка: шлифованный/матовый алюминий  
Два нижних экрана: листовая сталь сплошная (DECOR L1)/или перфорированная (DECOR L2)  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

Parabolic louvres are a staple of optical systems thanks their providing high levels of visual comfort without compromise on effectiveness.

OMS PAR-V2 louvres offer unrivalled efficiency thanks to their intricate and digitally optimised design and the highly reflective Alanod MIRO® aluminium used in their construction. Each louvre is made up from many small optical surfaces aligned at various angles in order to provide an ideal light distribution that minimises glare while also maximising overall luminaire effectiveness. The enhanced lamella and side-plate shape means that the optical system is semi-closed without compromise on the amount of light being emitted from the luminaire, which offers great visual comfort and reduces the number of luminaires needed to provide a desired light level.

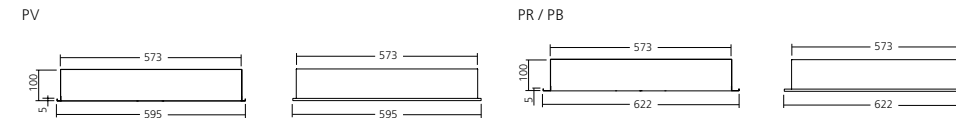
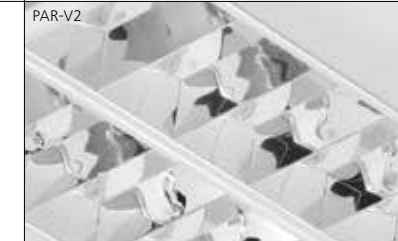
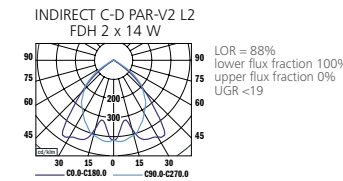


**INDIRECT C-D**  
PAR-V2 / PAR MAT-V2  
FDH



# Indirect C-D

**PHOTOMETRY**



**MOUNTING**



TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE	SHADE				1H	3H		
INDIRECT C-D	•	•	2 x 14	FDH	GS	•	•	A+ / A / B	6.6
INDIRECT C-D	•	•	2 x 24	FDH	GS	•	•	A+ / A / B	6.6



**EN**  
**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Two bottom shades  
Parabolic louvre PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Two bottom shades: sheet steel solid (DECOR L1)/perforated (DECOR L2)  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**  
**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Doppellampenschirme  
Parabolischer Raster PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Doppellampenschirme: Stahlblech ungelocht (DECOR L1)/gelocht (DECOR L2)  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**  
**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Deux ombres profondes  
Grille parabolique PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Deux ombres profondes: tôle d'acier solide (DECOR L1)/perforée (DECOR L2)  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

**SK**  
**Montáž**  
Vsaďené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Dve bočné tienidlá  
Parabolická mriežka PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Telo: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Dve bočné tienidlá: oceľový plech plný (DECOR L1)/dierkovaný (DECOR L2)  
**Povrchová úprava**  
Telo: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

**ES**  
**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente lumínica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Dos pantallas de fondo  
Rejilla parabólica PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Dos pantallas de fondo: lámina de acero sólido (DECOR L1)/perforada (DECOR L2)  
**Tratamiento de la superficie**  
Telo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

**IT**  
**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Due schermi inferiori  
Griglia parabolica PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco (DECOR L1)/forata (DECOR L2)  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

**RU**  
**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Два нижних экрана  
Парabolическая решетка PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Парabolическая решетка: шлифованный/матовый алюминий  
Два нижних экрана: листовая сталь сплошная (DECOR L1)/или перфорированная (DECOR L2)  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

High quality materials make all the difference between a luminaire that does what is necessary and one that does so much more.

We use Alanod MIRO® aluminium, designed specifically for the lighting industry, for the manufacture of many of our reflectors and louvres thanks to its quality and high reflectivity. Normal anodised aluminium has a reflectivity of up to 87 %. MIRO® is 10-20 % more effective thanks to the use of a several nanometre-thick vacuum deposited coating of pure aluminium. The use of MIRO® in our luminaires results in fewer light sources being needed within each area of application, and greatly reduces energy and air conditioning costs. What's more, MIRO® surfaces are free of indescent colours, have outstanding UV stability, are formed without visible defects, are corrosion resistant and anti-static, and are easy to clean. Overall, MIRO® has proved to be an ideal material for use in luminaires for application in areas with display screen equipment.





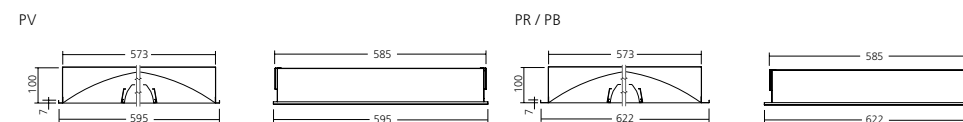
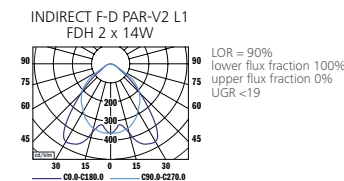
# INDIRECT F-S / F-D

PAR-V2 / PAR MAT-V2  
FDH

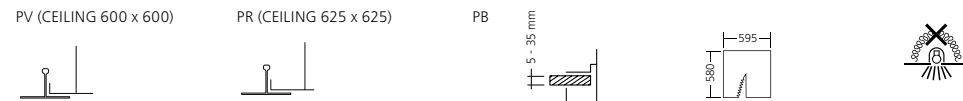
FASTRUNNER



## PHOTOMETRY

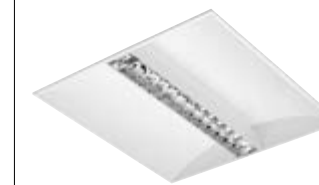


## MOUNTING

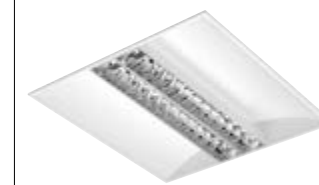


TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	PAR-V2	PAR MAT-V2				1H	3H		
INDIRECT F-S	•	•	1 x 14	FDH	G5	•	•	A+ / A / B	5.6
INDIRECT F-S	•	•	1 x 24	FDH	G5	•	•	A+ / A / B	5.6
INDIRECT F-S	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	5.6
INDIRECT F-S	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	5.6
INDIRECT F-D	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-D	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-D	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-D	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	5.7

F-S



F-D



PAR-V2



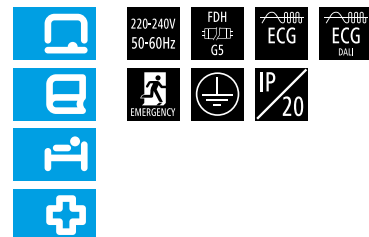
PAR MAT-V2



MOUNTING BRACKETS



# Indirect F-S / F-D



EN

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Parabolic louvre PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

DE

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Parabolischer Raster PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

FR

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Grille parabolique PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/matt  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

SK

**Montáž**  
Vsadené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Parabolická mriežka PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Téleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
**Povrchová úprava**  
Téleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

ES

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Rejilla parabólica PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

IT

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Griglia parabolica PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

RU

**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Парabolическая решетка PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Парabolическая решетка: шлифованный/матовый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

Parabolic louvres are a staple of optical systems thanks their providing high levels of visual comfort without compromise on effectiveness.

OMS PAR-V2 louvres offer unrivalled efficiency thanks to their intricate and digitally optimised design and the highly reflective Alanod MIRO® aluminium used in their construction. Each louvre is made up from many small optical surfaces aligned at various angles in order to provide an ideal light distribution that minimises glare while also maximising overall luminaire effectiveness. The enhanced lamella and side-plate shape means

that the optical system is semi-closed without compromise on the amount of light being emitted from the luminaire, which offers great visual comfort and reduces the number of luminaires needed to provide a desired light level.



# INDIRECT F-S / F-DUO

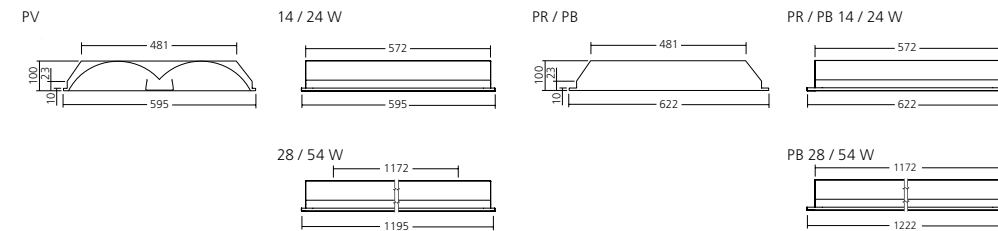
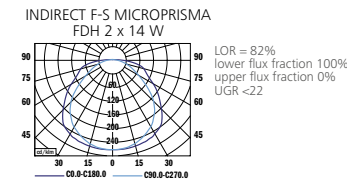
MICROPRISMA  
FDH

FASTRUNNER

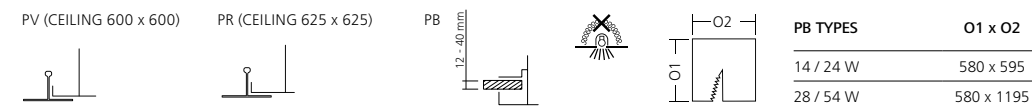


# Indirect F-S / F-DUO

## PHOTOMETRY



## MOUNTING



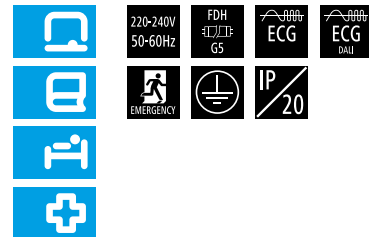
TYPE	OPTICAL SYSTEM	POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	MICROPRISMA				1H	3H		
INDIRECT F-S	•	1 x 14	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-S	•	1 x 24	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-S	•	1 x 28	FDH	G5	•	•	A+ / A / B	9.1
INDIRECT F-S	•	1 x 54	FDH	G5	•	•	A+ / A / B / C	9.1
INDIRECT F-S	•	2 x 14	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-S	•	2 x 24	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-S	•	2 x 24	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-S	•	2 x 24	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-DUO	•	2 x 14	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-DUO	•	2 x 24	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-DUO	•	2 x 28	FDH	G5	•	•	A+ / A / B	9.6
INDIRECT F-DUO	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	9.6
INDIRECT F-DUO	•	4 x 14	FDH	G5	•	•	A+ / A / B	5.7
INDIRECT F-DUO	•	4 x 24	FDH	G5	•	•	A+ / A / B	5.7

F-S

F-DUO

MICROPRISMA

MOUNTING BRACKETS



EN

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Microprismatic diffuser (MCD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Microprismatic diffuser: extruded polycarbonate  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

DE

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Mikroprismatischer Diffusor (MCD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Mikroprismatischer Diffusor: Extrudiertes Polycarbonat  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

FR

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Diffuseur microprisme (MCD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Diffuseur microprismatique: polycarbonate extrudé  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

SK

**Montáž**  
Vsaďené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Mikroprizmatický difúzor (MCD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Téleso: oceľový plech  
Mikroprizmatický difúzor: extrudovaný polycarbonát  
**Povrchová úprava**  
Téleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

ES

**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Difusor microprismático (MCD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor microprismático: policarbonato extruido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

IT

**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Diffusore microprismatico (MCD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore microprismatico: policarbonato estruso  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

RU

**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
микропризматический рассеиватель (MCD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Микропризматический рассеиватель: экструдированный поликарбонат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

A time-tested and proven optical system that assures visual comfort in demanding spaces.

Microprismatic diffusers offer excellent lighting and optical parameters and are mainly used for the purpose of minimising glare in visually demanding areas of application. The symmetric shape of the diffuser prism means that it particularly reduces glare laterally to the direction of the light source.



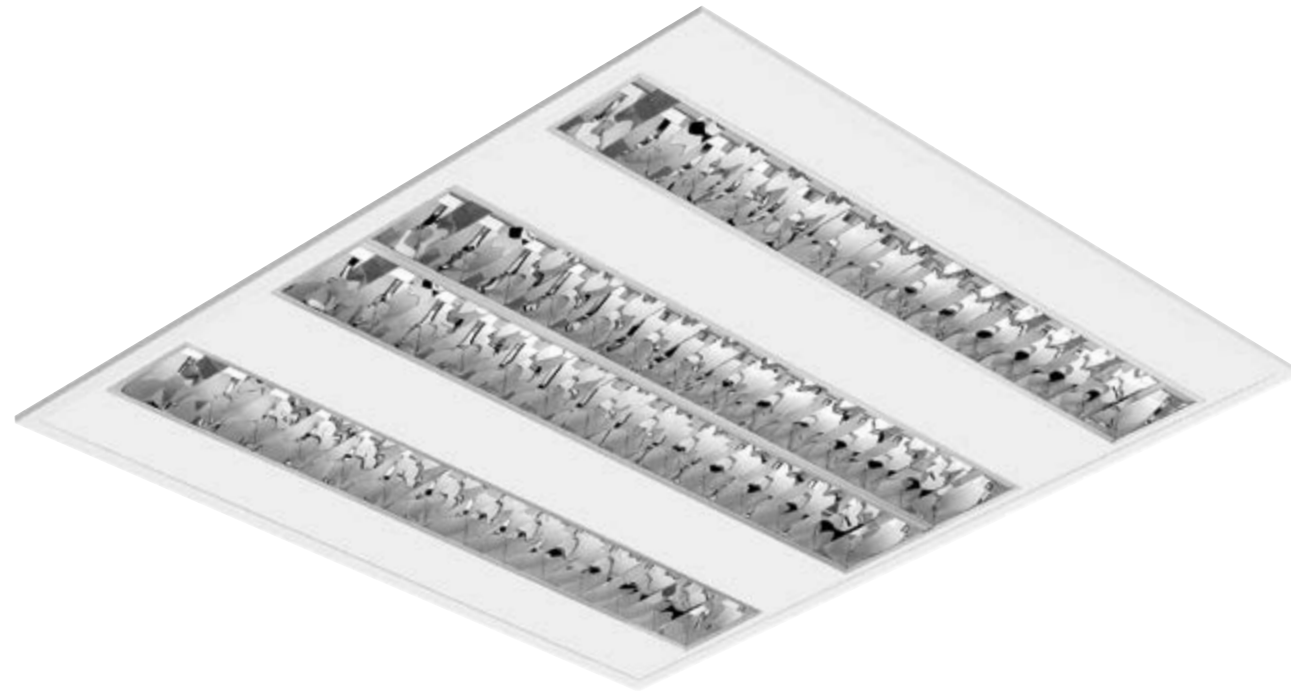


# RELAX A1 / A2 / A3

PAR-V2 / PAR MAT-V2

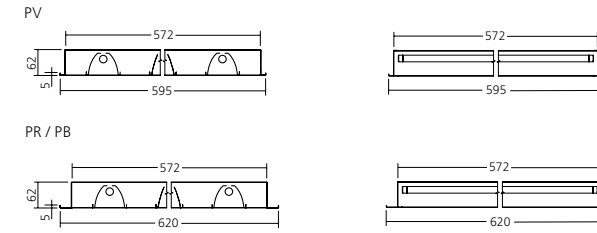
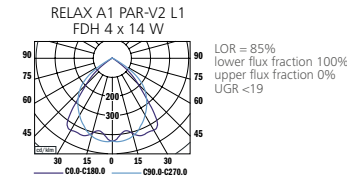
FDH

FASTRUNNER

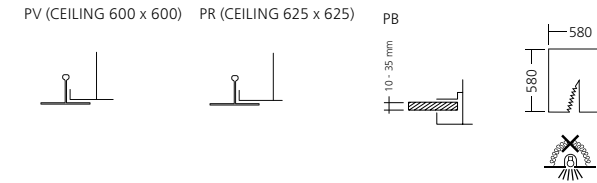


# Relax A1 / A2 / A3

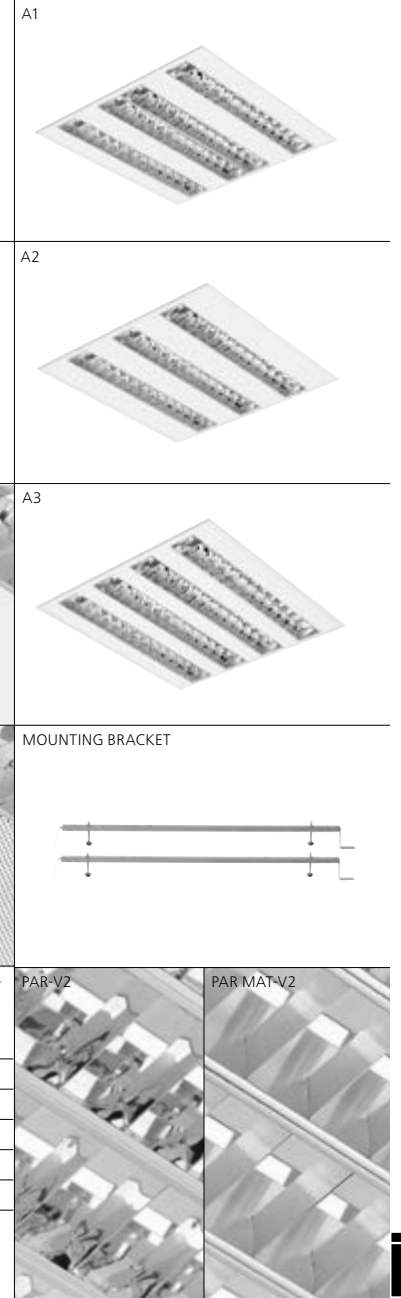
## PHOTOMETRY



## MOUNTING



TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE		SHADE					1H	3H		
	PAR-V2	PAR MAT-V2	L1	L2							
RELAX A1	•	•	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	5.0
RELAX A1	•	•	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	5.0
RELAX A2	•	•	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	5.0
RELAX A2	•	•	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	5.0
RELAX A3	•	•	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	4.9
RELAX A3	•	•	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	4.9



**EN**  
**Mounting**  
 Ceiling recessed  
 PVx/PRx - T-ceiling  
 PBx - Plasterboard ceiling  
**Light source**  
 Linear fluorescent lamp (FDH)  
**Optical system**  
 Polished/matt parabolic louvre  
 PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
 Emergency unit variant (1H/3H)  
**Materials**  
 Housing: sheet steel  
 Parabolic louvre: polished/matt aluminium  
 Bottom sheet: sheet steel solid (DECOR L1)/perforated (DECOR L2)  
**Surface finish**  
 Housing: white RAL 9003 (W03)  
**Accessories**  
 Connectors  
 Mounting brackets  
 Safety wire

**DE**  
**Montage**  
 Einbauleuchte  
 PVx/PRx - Sichtbare T-schiene Decke  
 PBx - Rigips Decke  
**Lichtquelle**  
 Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
 Polierter/matter parabolischer Raster  
 PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
 Notbeleuchtung Variante (1H/3H)  
**Material**  
 Körper: Stahlblech  
 Parabolischer Raster: poliertes/mattes Aluminium  
 Unteres Blatt: Stahlblech ungelocht (DECOR L1)/gelocht (DECOR L2)  
**Oberflächenveredelung**  
 Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
 Stecker  
 Befestigungsklammern  
 Sicherungsseil

**FR**  
**Montage**  
 Plafonnier encastrable  
 PVx/PRx - Un faux plafond  
 PBx - Un plafond en plâtre  
**Source lumineuse**  
 Lampe fluorescente linéaire (FDH)  
**Système optique**  
 Grille parabolique poli/mat  
 PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
 Ballast électronique FIX/DALI (ECG/EDA)  
 Variante de l'unité de secours (1H/3H)  
**Matériels**  
 Corps: tôle d'acier  
 Grille parabolique: aluminium poli/mat  
 Plaque du fond: tôle d'acier solide (DECOR L1)/perforée (DECOR L2)  
**Finition de surface**  
 Corps: blanc RAL 9003 (W03)  
**Accessoires**  
 Connecteurs  
 Supports de montage  
 Fil de sécurité

**SK**  
**Montáž**  
 Vsaďené  
 PVx/PRx - Kazetový strop  
 PBx - Sádrokartonový strop  
**Svetelný zdroj**  
 Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
 Leštená/matná parabolická mriežka  
 PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
 Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
 Těleso: ocelový plech  
 Parabolická mriežka: leštený/matný hliník  
 Spodná časť: ocelový plech plný (DECOR L1)/dierkovaný (DECOR L2)  
**Povrchová úprava**  
 Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
 Konektory  
 Montážne držiaky  
 Poistné lanko

**ES**  
**Montaje**  
 Empotradas en el techo  
 PVx/PRx - Techo T  
 PBx - Techo de escayola  
**Fuente luminica**  
 Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
 Rejilla parabólica pulida/mate  
 PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
 Variante unidad de emergencia (1H/3H)  
**Material**  
 Cuerpo: lámina de acero  
 Rejilla parabólica: aluminio mate/pulido  
 Parte inferior: lámina de acero sólido (DECOR L1)/perforada (DECOR L2)  
**Tratamiento de la superficie**  
 Těleso: blanca RAL 9003 (W03)  
**Accesorios**  
 Conectores  
 Escuadras de montaje  
 Cable de seguridad

**IT**  
**Installazione**  
 Ad incasso a soffitto  
 PVx/PRx - Struttura in vista  
 PBx - Struttura cartongesso  
**Sorgente luminosa**  
 Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
 Griglia parabolica lucida/opaca  
 PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
 Variante unità di emergenza (1H/3H)  
**Materiali**  
 Corpo: lamina d'acciaio  
 Griglia parabolica: alluminio lucido o opaco  
 Schermi inferiori: lamina di metallo piena (DECOR L1)/forata (DECOR L2)  
**Finitura**  
 Corpo: bianco RAL 9003 (W03)  
**Accessori**  
 Connettori  
 Supporti per installazione  
 Cavo di sicurezza

**RU**  
**Установка**  
 Потолочная встроенная  
 PVx/PRx - Кассетный потолок  
 PBx - Гипсокартонный потолок  
**Источник света**  
 Трубоччатая люминесцентная лампа (FDH)  
**Оптическая система**  
 Шлифованная/матовая параболическая решетка  
 PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
 блок аварийного освещения (1H/3H)  
**Материал**  
 Корпус: листовая сталь  
 Параболическая решетка: шлифованный/матовый алюминий  
 Нижний лист: листовая сталь сплошная (DECOR L1)/или перфорированная (DECOR L2)  
**Отделка поверхности**  
 Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
 Соединители  
 Монтажные кронштейны  
 Контрольная проволока

Parabolic louvres are a staple of optical systems thanks their providing high levels of visual comfort without compromise on effectiveness.

OMS PAR-V2 louvres offer unrivalled efficiency thanks to their intricate and digitally optimised design and the highly reflective Alanod MIRO® aluminium used in their construction. Each louvre is made up from many small optical surfaces aligned at various angles in order to provide an ideal light distribution that minimises glare while also maximising overall luminaire effectiveness. The enhanced lamella and side-plate shape means

that the optical system is semi-closed without compromise on the amount of light being emitted from the luminaire, which offers great visual comfort and reduces the number of luminaires needed to provide a desired light level.



**RELAX A8**  
PAR-V2 / PAR MAT-V2  
FDH

FASTRUNNER



# Relax A8



**EN**  
**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Bottom sheet: sheet steel solid (DECOR L1)/perforated (DECOR L2)  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**  
**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Unteres Blatt: Stahlblech ungelocht (DECOR L1)/gelocht (DECOR L2)  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**  
**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Plaque du fond: tôle d'acier solide (DECOR L1)/perforée (DECOR L2)  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

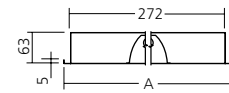
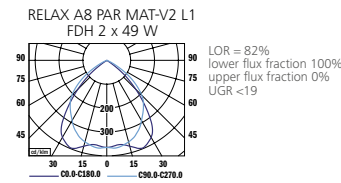
**SK**  
**Montáž**  
Vsadené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Téleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Spodná časť: oceľový plech plný (DECOR L1)/dierkovaný (DECOR L2)  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

**ES**  
**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Parte inferior: lámina de acero sólido (DECOR L1)/perforada (DECOR L2)  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

**IT**  
**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Schermi inferiori: lamina di metallo piena (DECOR L1)/forata (DECOR L2)  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

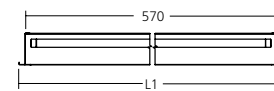
**RU**  
**Установка**  
Потолочная встраиваемая  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный/матовый алюминий  
Нижний лист: листовая сталь сплошная (DECOR L1) или перфорированная (DECOR L2)  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

**PHOTOMETRY**

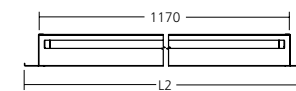


	A	L1	L2	L3
PV	296	595	1195	1495
PR	310	-	1245	1545
PB	318	616	1216	1516

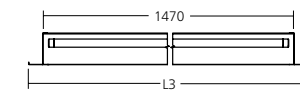
14 / 24 W



28 / 54 W



35 / 49 / 80 W



**MOUNTING**

PV (CEILING 600 x 600)



PR (CEILING 625 x 625)



PB

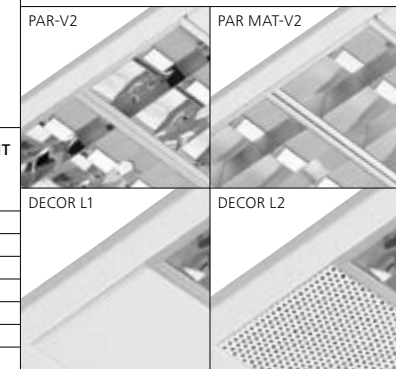


**PB TYPES**

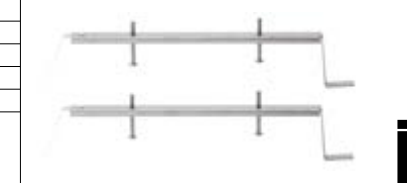
	O
14 / 24 W	580
28 / 54 W	1180
35 / 49 / 80 W	1480

**TYPE**

	LOUVRE		SHADE		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	PAR-V2	PAR MAT-V2	L1	L2				1H	3H		
RELAX A8	*	*	*	*	1 x 14	FDH	G5	*	*	A+ / A / B	2.7
RELAX A8	*	*	*	*	1 x 24	FDH	G5	*	*	A+ / A / B	2.7
RELAX A8	*	*	*	*	1 x 28	FDH	G5	*	*	A+ / A / B	5.2
RELAX A8	*	*	*	*	1 x 35	FDH	G5	*	*	A+ / A / B	6.6
RELAX A8	*	*	*	*	1 x 49	FDH	G5	*	*	A+ / A / B	6.6
RELAX A8	*	*	*	*	1 x 54	FDH	G5	*	*	A+ / A / B / C	5.2
RELAX A8	*	*	*	*	1 x 80	FDH	G5	*	*	A+ / A / B / C	6.6
RELAX A8	*	*	*	*	2 x 14	FDH	G5	*	*	A+ / A / B	2.7
RELAX A8	*	*	*	*	2 x 24	FDH	G5	*	*	A+ / A / B	2.7
RELAX A8	*	*	*	*	2 x 28	FDH	G5	*	*	A+ / A / B	5.2
RELAX A8	*	*	*	*	2 x 35	FDH	G5	*	*	A+ / A / B	6.6
RELAX A8	*	*	*	*	2 x 49	FDH	G5	*	*	A+ / A / B	6.6
RELAX A8	*	*	*	*	2 x 54	FDH	G5	*	*	A+ / A / B / C	5.2
RELAX A8	*	*	*	*	2 x 80	FDH	G5	*	*	A+ / A / B / C	6.6



**MOUNTING BRACKETS**



High quality materials make all the difference between a luminaire that does what is necessary and one that does so much more.

We use Alanod MIRO® aluminium, designed specifically for the lighting industry, for the manufacture of many of our reflectors and louvres thanks to its quality and high reflectivity. Normal anodised aluminium has a reflectivity of up to 87%. MIRO® is 10-20% more effective thanks to the use of a several nanometre-thick vacuum deposited coating of pure aluminium. The use of MIRO® in our luminaires results in fewer light sources being needed within

each luminaire, or fewer luminaires being needed within each area of application, and greatly reduces energy and air conditioning costs. What's more, MIRO® surfaces are free of indescent colours, have outstanding UV stability, are formed without visible defects, are corrosion resistant and anti-static, and are easy to clean. Overall, MIRO® has proved to be an ideal material for use in luminaires for application in areas with display screen equipment.





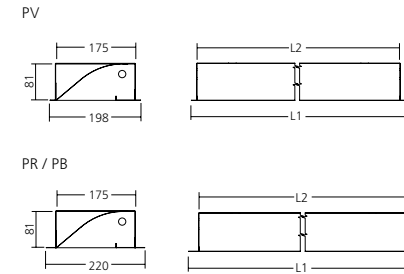
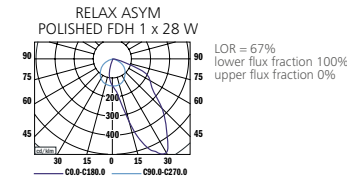
**RELAX ASYM**  
POLISHED / MATT  
FDH

FASTRUNNER



# Relax Asym

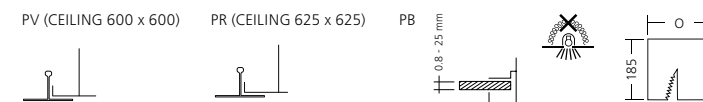
**PHOTOMETRY**



	L1	L2
14 / 24 W	595	572
28 / 54 W	1195	1172

	L1	L2
14 / 24 W	620	572
36 W	1220	1222

**MOUNTING**



PB TYPES	O
14 / 24 W	580
28 / 54 W	1180

TYPE	OPTICAL SYSTEM REFLECTOR		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	POLISHED	MATT				1H	3H		
RELAX ASYM	•	•	1 x 14	FDH	G5	-	-	A+ / A / B	2.0
RELAX ASYM	•	•	1 x 24	FDH	G5	-	-	A+ / A / B	2.0
RELAX ASYM	•	•	1 x 28	FDH	G5	•	•	A+ / A / B	3.6
RELAX ASYM	•	•	1 x 54	FDH	G5	•	•	A+ / A / B / C	3.6
RELAX ASYM	•	•	2 x 14	FDH	G5	-	-	A+ / A / B	2.0
RELAX ASYM	•	•	2 x 24	FDH	G5	-	-	A+ / A / B	2.0
RELAX ASYM	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	3.6
RELAX ASYM	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	3.6

POLISHED



MATT



MOUNTING BRACKETS



**EN**  
**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Asymmetric polished/matt reflector (ASP/ASM)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Reflector: polished/matt aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**  
**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Asymmetrischer polierter/matter Reflektor (ASP/ASM)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Reflektor: poliertes/mattes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**  
**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Réflecteur asymétrique poli/mat (ASP/ASM)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium poli/mat  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

**SK**  
**Montáž**  
Vsaďené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Asymetrický leštený/matný reflektor (ASP/ASM)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: ocelový plech  
Reflektor: leštený/matný hliník  
**Povrchová úprava**  
Těleso: bílá RAL 9003 (W03)  
**Prislušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

**ES**  
**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Reflector pulido/mate asimétrica (ASP/ASM)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio pulido/mate  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

**IT**  
**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Riflettore asimmetrico lucido/opaco (ASP/ASM)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio lucido/opaco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

**RU**  
**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Асимметричного полированный/матовый отражателя (ASP/ASM)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Отражатель: шлифованный/матовый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

High-performance, low-glare lighting for walls and wall-mounted surfaces and objects.

Asymmetric light distribution is very useful for highlighting walls and wall-mounted objects as well as for the adequate illumination of blackboards and whiteboards in schools, presentation halls and meeting rooms. Another key application is for the vertical illumination of shelves and other vertical merchandising layouts in stores and supermarkets for the proper highlighting of goods. It is beneficial to choose asymmetric luminaires that maintain the

same aesthetic style as those used for asymmetric general illumination in order to achieve a unified overall appearance in a space.

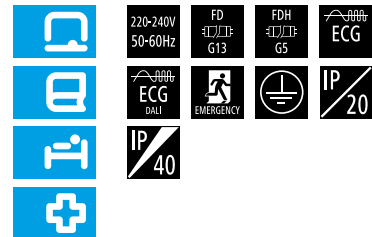


**RELAX DIF**  
OPAL / PRISMA  
FD / FDH

FASTRUNNER



# Relax Dif



**EN**

**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling

**Light source**  
Linear fluorescent lamp (FD/FDH)

**Optical system**  
Opal/prismatic diffuser (OPD/PRD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)

**Materials**  
Housing: sheet steel  
Diffuser: opal/prismatic PMMA

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**

**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-schiene Decke  
PBx - Rigips Decke

**Lichtquelle**  
Lineare Leuchtstofflampe (FD/FDH)

**Optisches System**  
Opal/prismatisch Diffusor (OPD/PRD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)

**Material**  
Körper: Stahlblech  
Diffusor: opal/mikroprismatisches PMMA

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**

**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre

**Source lumineuse**  
Lampe fluorescente linéaire (FD/FDH)

**Système optique**  
Diffuseur opale/prismatique (OPD/PRD)

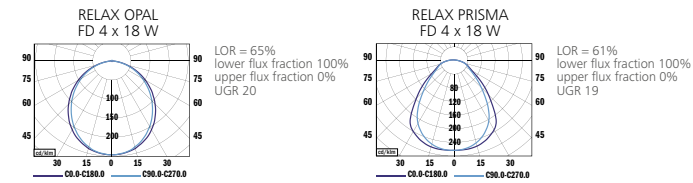
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)

**Matériels**  
Corps: tôle d'acier  
Diffusor: opale/prismatique PMMA

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

**PHOTOMETRY**



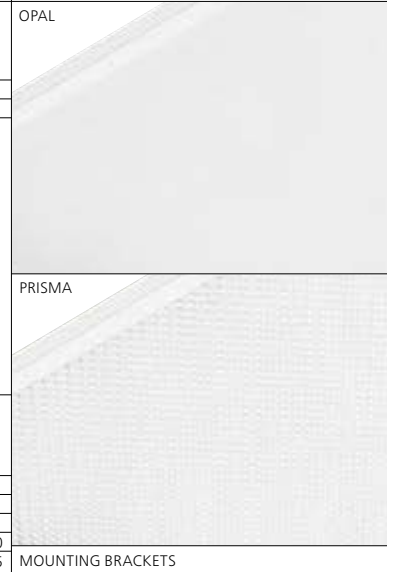
2 x	3 x / 4 x		
3 x / 4 x 18 W	3 x / 4 x 14 / 24 W	2 x 18 / 14 / 24 W	36 / 28 / 54 W

	A1	A2 / L1	L2	L3
PV	295	595	595	1195
PR	310	622	620	1240
PB	320	622	620	1220

**MOUNTING**

PV (CEILING 600 x 600)	PR (CEILING 625 x 625)	PB		<b>PB TYPES</b>	<b>O1 x O2</b>
				2 x 18 / 14 / 24 W	285 x 585
				3 x / 4 x 18 W	585 x 605
				3 x / 4 x 14 / 24 W	580 x 580
				2 x 36 / 28 / 54 W	285 x 1180
				3 x / 4 x 36 / 28 / 54 W	585 x 1185

TYPE	OPTICAL SYSTEM DIFFUSER		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	OPAL	PRISMA				1H	3H		
RELAX	•	•	2 x 18	FD	G13	•	•	A / B / C	3.2
RELAX	•	•	2 x 36	FD	G13	•	•	A+ / A / B / C	5.7
RELAX	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	3.2
RELAX	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	3.2
RELAX	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	5.7
RELAX	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	5.7
RELAX	•	•	3 x 18	FD	G13	•	•	A / B / C	5.5
RELAX	•	•	3 x 36	FD	G13	•	•	A+ / A / B / C	10.5
RELAX	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	5.5
RELAX	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	5.5
RELAX	•	•	3 x 28	FDH	G5	•	•	A+ / A / B	10.5
RELAX	•	•	3 x 54	FDH	G5	•	•	A+ / A / B / C	10.5
RELAX	•	•	4 x 18	FD	G13	•	•	A / B / C	5.6
RELAX	•	•	4 x 36	FD	G13	•	•	A+ / A / B / C	10.5
RELAX	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	5.6
RELAX	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	5.6
RELAX	•	•	4 x 28	FDH	G5	•	•	A+ / A / B	10.8
RELAX	•	•	4 x 54	FDH	G5	•	•	A+ / A / B / C	10.8



RECESSED LUMINAIRES

Diffusers make lighting more uniform and softer as well as adding an extra level of safety.

A decorative clear or opal prismatic diffuser modifies the light distribution to make it wider and more uniform, increasing visual comfort with little compromise to overall luminaire efficiency. Such diffusers also act as a useful barrier below the light sources for luminaires installed at low heights that are vulnerable to ingress by foreign objects or to being tampered with.



CONVENTIONAL LUMINAIRES



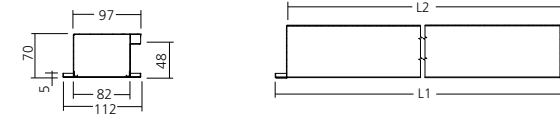
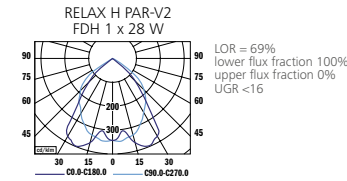
**RELAX H**  
PAR-V2 / PAR MAT-V2 / DIF  
FDH

FASTRUNNER



# Relax H

**PHOTOMETRY**



**MOUNTING**



	L1	L2
14 / 24 W	600	570
28 / 54 W	1200	1170
35 / 49 W	1500	1470

	PB TYPES	O
14 / 24 W		580
28 / 54 W		1180
35 / 49 W		1480

TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE		DIFFUSER					1H	3H		
	PAR-V2	PAR MAT-V2	OPAL	PRISMA							
RELAX H	*	*	*	*	1 x 14	FDH	G5	*	*	A+ / A / B	1.3
RELAX H	*	*	*	*	1 x 24	FDH	G5	*	*	A+ / A / B	1.3
RELAX H	*	*	*	*	1 x 28	FDH	G5	*	*	A+ / A / B	2.3
RELAX H	*	*	*	*	1 x 35	FDH	G5	*	*	A+ / A / B	3.0
RELAX H	*	*	*	*	1 x 49	FDH	G5	*	*	A+ / A / B	3.0
RELAX H	*	*	*	*	1 x 54	FDH	G5	*	*	A+ / A / B / C	2.3
RELAX H	*	*	*	*	1 x 80	FDH	G5	-	-	A+ / A / B / C	3.0
RELAX H	*	*	*	*	2 x 14	FDH	G5	*	*	A+ / A / B	1.4
RELAX H	*	*	*	*	2 x 24	FDH	G5	*	*	A+ / A / B	1.4
RELAX H	*	*	*	*	2 x 28	FDH	G5	*	*	A+ / A / B	2.4
RELAX H	*	*	*	*	2 x 35	FDH	G5	*	*	A+ / A / B	3.1
RELAX H	*	*	*	*	2 x 49	FDH	G5	*	*	A+ / A / B	3.1
RELAX H	*	*	*	*	2 x 54	FDH	G5	*	*	A+ / A / B / C	2.4

1 / 2 x 35 / 49 W



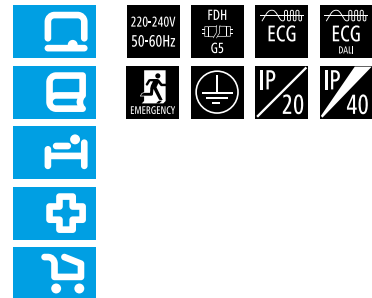
PAR-V2

PAR MAT-V2

OPAL

PRISMA

MOUNTING BRACKETS



**EN**

**Mounting**  
Ceiling recessed  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Opal/prismatic diffuser (OPD/PRD)  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Diffuser: opal/prismatic polycarbonate  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**

**Montage**  
Einbauleuchte  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Opal/prismatisch Diffusor (OPD/PRD)  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Diffusor: opal/prismatisches Polycarbonat  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**

**Montage**  
Plafonnier encastrable  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Diffuseur opale/prismatique (OPD/PRD)  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Diffuseur: polycarbonate opale/prismatique  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Montážne držiaky  
Fil de sécurité

**SK**

**Montáž**  
Vsaďené  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
opáľový/prizmatický difúzor (OPD/PRD)  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Téleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Difúzor: opáľový/prizmatický polykarbonát  
**Povrchová úprava**  
Téleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

**ES**

**Montaje**  
Empotradas en el techo  
PBx - Techo de escayola  
**Fuente luminosa**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Difusor opalescente/prismático (OPD/PRD)  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Difusor: opalo/polycarbonato prismático  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

**IT**

**Installazione**  
Ad incasso a soffitto  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
diffusore opale/prismatico (OPD/PRD)  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Diffusore: polycarbonato prismatico/opale  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

**RU**

**Установка**  
Потолочная встраиваемая  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа FD(FDH) (T8/T5)  
**Оптическая система**  
матовый/микропризматический Рассеиватель (OPD/PRD)  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный/матовый алюминий  
Рассеиватель: матовый/призматический поликарбонат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

A classic and effective alternative for general illumination purposes.

General illumination doesn't always need to be provided by luminaires with larger or more uniform dimensions. The use of linear luminaires is an excellent way to ensure proper illumination of areas ranging from stores and work areas to offices and corridors. All OMS linear luminaires that employ a louvre optical system use high quality Alanod MIRO® aluminium to bring the greatest visual comfort and luminaire effectiveness. Alternatively,

many linear luminaires can be equipped with a decorative clear or opal prismatic diffuser that modifies the light distribution to reduce glare and add a level of protection for the luminaire against ingress by foreign bodies.



# RELAX LA / LB / LAM

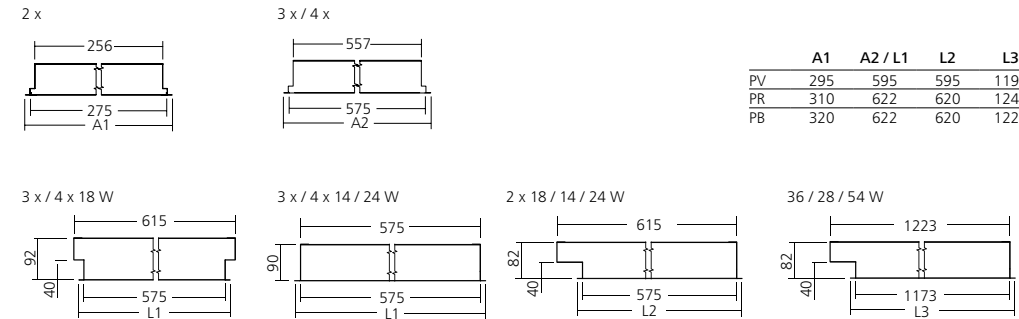
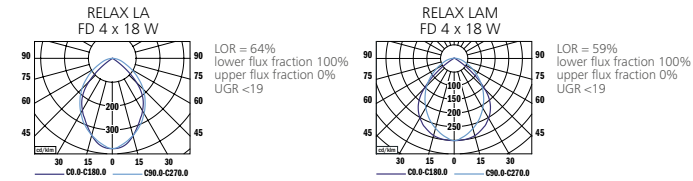
LA / LB / LAM  
FD / FDH

FASTRUNNER

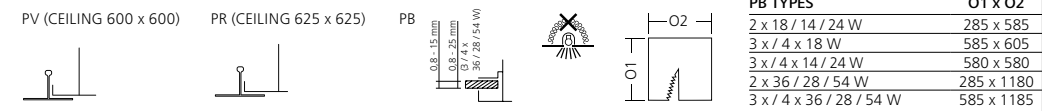


# Relax LA / LB / LAM

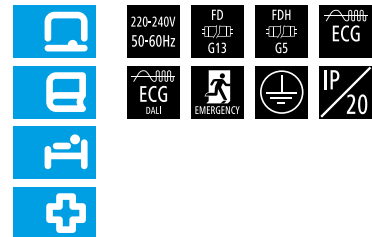
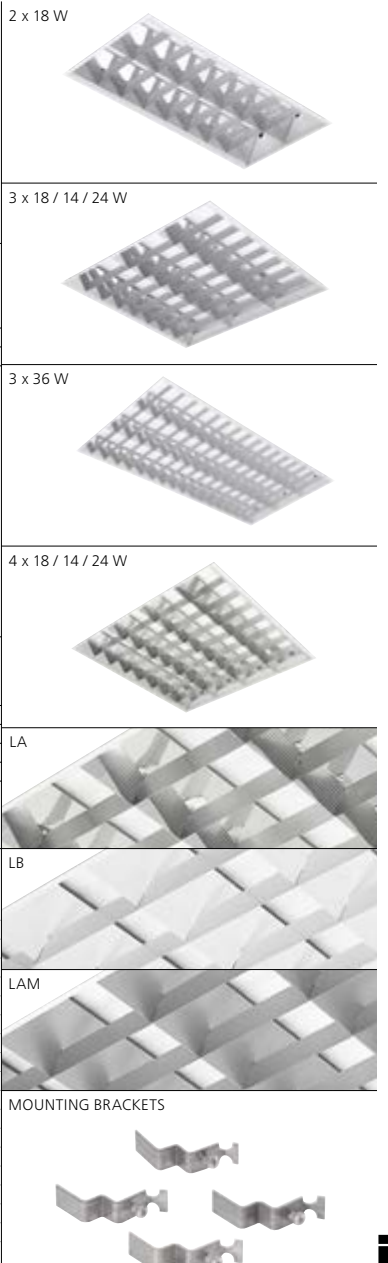
## PHOTOMETRY



## MOUNTING



TYPE	OPTICAL SYSTEM LOUVRE			POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LA	LAM	LB				1H	3H		
RELAX	•	•	•	2 x 18	FD	G13	•	•	A / B / C	2.6
RELAX	•	•	•	2 x 36	FD	G13	•	•	A+ / A / B / C	4.5
RELAX	•	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	2.6
RELAX	•	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	2.6
RELAX	•	•	•	2 x 28	FDH	G5	•	•	A+ / A / B / C	4.5
RELAX	•	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	4.5
RELAX	•	•	•	3 x 18	FD	G13	•	•	A / B / C	4.3
RELAX	•	•	•	3 x 36	FD	G13	•	•	A+ / A / B / C	8.1
RELAX	•	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	4.3
RELAX	•	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	4.3
RELAX	•	•	•	3 x 28	FDH	G5	•	•	A+ / A / B / C	8.4
RELAX	•	•	•	3 x 54	FDH	G5	•	•	A+ / A / B / C	8.4
RELAX	•	•	•	4 x 18	FD	G13	•	•	A / B / C	4.6
RELAX	•	•	•	4 x 36	FD	G13	•	•	A+ / A / B / C	8.3
RELAX	•	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	4.6
RELAX	•	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	4.6
RELAX	•	•	•	4 x 28	FDH	G5	•	•	A+ / A / B / C	8.7
RELAX	•	•	•	4 x 54	FDH	G5	•	•	A+ / A / B / C	8.7



**EN**  
**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FD/FDH)  
**Optical system**  
Polished aluminium louvre (LA)  
White painted aluminium louvre (LB)  
Matt aluminium louvre (LAM)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Louvre: polished/matt/white aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**  
**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FD/FDH)  
**Optisches System**  
Polierter Aluminiumraster (LA)  
Weiss lackierter Aluminiumraster (LB)  
Matter Aluminium-Raster (LAM)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Raster: poliertes/mattes/weisses Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**  
**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FD/FDH)  
**Système optique**  
Grille en aluminium poli (LA)  
Grille en aluminium blanche (LB)  
Grille en aluminium mat (LAM)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante s' n'urgence (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille: aluminium poli/mat/blanc  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

**SK**  
**Montáž**  
Vsaďené  
PVx/PRx - Kazetový strop  
PBx - Sádkokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FD/FDH)  
**Optický systém**  
Leštená hliníková mriežka (LA)  
Nabíleto nastriekaná hliníková mriežka (LB)  
Matná hliníková mriežka (LAM)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: oceľový plech  
Mriežka: leštený/matný/bielý hliník  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

**ES**  
**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente luminica**  
Lámpara fluorescente lineal (FD/FDH)  
**Sistema óptico**  
Rejilla de aluminio pulido (LA)  
Rejilla de aluminio pintada blanca (LB)  
Rejilla de aluminio mate (LAM)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla: pulida/mate/aluminio blanco  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

**IT**  
**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FD/FDH)  
**Sistema ottico**  
Griglia in alluminio lucido (LA)  
Griglia in alluminio bianca (LB)  
Griglia in alluminio opaco (LAM)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia: alluminio lucido/opaco/bianco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

**RU**  
**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FD/FDH)  
**Оптическая система**  
Полированная алюминиевая решетка (LA)  
Окрашенная в белый алюминий решетка (LB)  
Матовая алюминиевая решетка (LAM)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Решетка: шлифованный/матовый/белый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

A basic and effective optical system that ensures visual comfort.

Tree-shaped lamella optics are available with polished etched, matt and white painted surface finishes. The polished etched optical system offers good control of the light distribution with an excellent quality to price ratio. The matt optical system ensures a softer light distribution, and the white painted optical system is ideal for use in areas where visual comfort is needed but a specific light distribution not important.





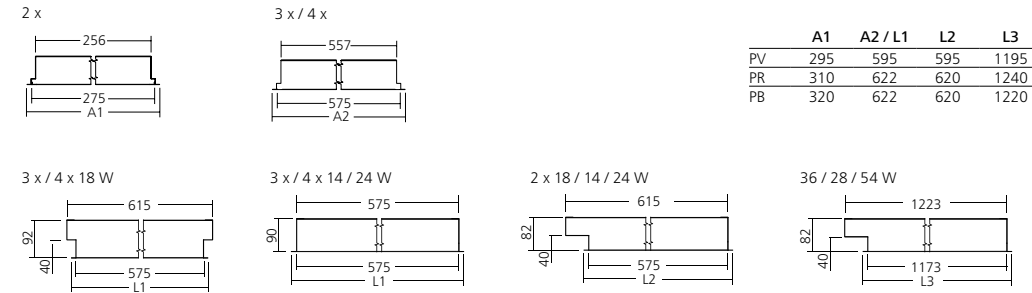
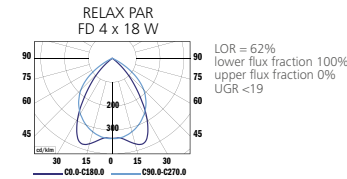
**RELAX**  
PAR / PAR MAT  
FD / FDH

FASTRUNNER

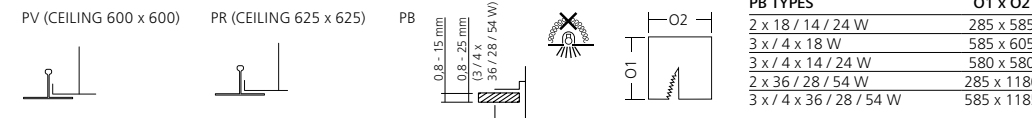


# Relax PAR / PAR MAT

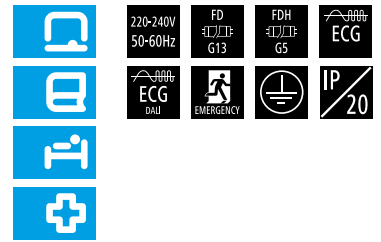
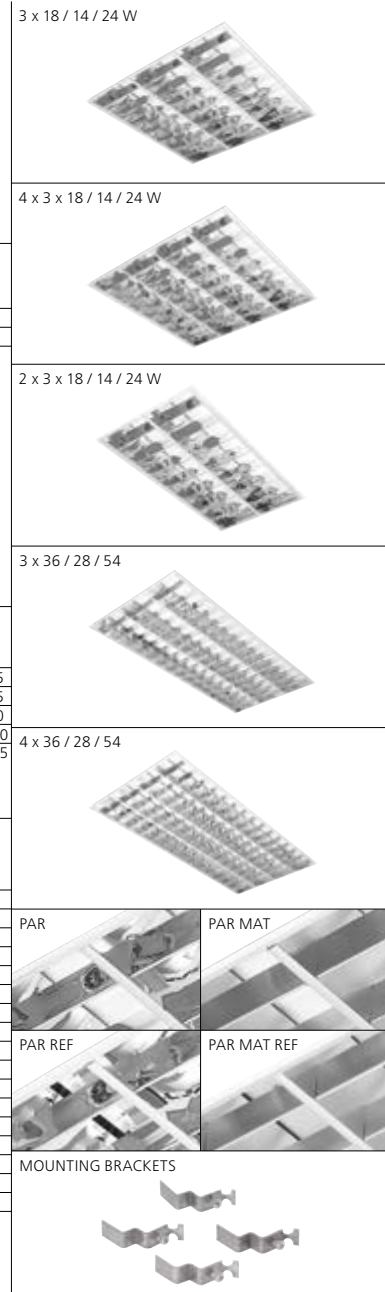
**PHOTOMETRY**



**MOUNTING**



TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	PAR	PAR MAT				1H	3H		
RELAX	•	•	2 x 18	FD	G13	•	•	A / B / C	2.7
RELAX	•	•	2 x 36	FD	G13	•	•	A+ / A / B / C	4.6
RELAX	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	2.7
RELAX	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	2.7
RELAX	•	•	2 x 28	FDH	G5	•	•	A+ / A / B / C	4.7
RELAX	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	4.7
RELAX	•	•	3 x 18	FD	G13	•	•	A / B / C	4.8
RELAX	•	•	3 x 36	FD	G13	•	•	A+ / A / B / C	8.4
RELAX	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	4.5
RELAX	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	4.5
RELAX	•	•	3 x 28	FDH	G5	•	•	A+ / A / B / C	8.4
RELAX	•	•	3 x 54	FDH	G5	•	•	A+ / A / B / C	8.4
RELAX	•	•	4 x 18	FD	G13	•	•	A / B / C	4.8
RELAX	•	•	4 x 36	FD	G13	•	•	A+ / A / B / C	8.7
RELAX	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	4.7
RELAX	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	4.7
RELAX	•	•	4 x 28	FDH	G5	•	•	A+ / A / B / C	8.7
RELAX	•	•	4 x 54	FDH	G5	•	•	A+ / A / B / C	8.7



**EN**  
**Mounting**  
Ceiling recessed  
PVx/PRx - T-ceiling  
PBx - Plasterboard ceiling  
**Light source**  
Linear fluorescent lamp (FD/FDH)  
**Optical system**  
Parabolic louvre PAR/PAR MAT (PLR/MLR)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Connectors  
Mounting brackets  
Safety wire

**DE**  
**Montage**  
Einbauleuchte  
PVx/PRx - Sichtbare T-Schiene Decke  
PBx - Rigips Decke  
**Lichtquelle**  
Lineare Leuchtstofflampe (FD/FDH)  
**Optisches System**  
Parabolischer Raster PAR/PAR MAT (PLR/MLR)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Stecker  
Befestigungsklammern  
Sicherungsseil

**FR**  
**Montage**  
Plafonnier encastrable  
PVx/PRx - Un faux plafond  
PBx - Un plafond en plâtre  
**Source lumineuse**  
Lampe fluorescente linéaire (FD/FDH)  
**Système optique**  
Grille parabolique PAR/PAR MAT (PLR/MLR)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Parabolique: aluminium poli/mat  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Connecteurs  
Supports de montage  
Fil de sécurité

**SK**  
**Montáž**  
Vsađené  
PVx/PRx - Kazetový strop  
PBx - Sádrokartonový strop  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FD/FDH)  
**Optický systém**  
Parabolická mriežka PAR/PAR MAT (PLR/MLR)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: ocelový plech  
Parabolická mriežka: leštený/matný hliník  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Konektory  
Montážne držiaky  
Poistné lanko

**ES**  
**Montaje**  
Empotradas en el techo  
PVx/PRx - Techo T  
PBx - Techo de escayola  
**Fuente luminica**  
Lámpara fluorescente lineal (FD/FDH)  
**Sistema óptico**  
Rejilla parabólica PAR/PAR MAT (PLR/MLR)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Conectores  
Escuadras de montaje  
Cable de seguridad

**IT**  
**Installazione**  
Ad incasso a soffitto  
PVx/PRx - Struttura in vista  
PBx - Struttura cartongesso  
**Sorgente luminosa**  
Lampada fluorescente lineare (FD/FDH)  
Lampada fluorescente compatta (FSD/FSDH)  
**Sistema ottico**  
Griglia parabolica PAR/PAR MAT (PLR/MLR)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Connettori  
Supporti per installazione  
Cavo di sicurezza

**RU**  
**Установка**  
Потолочная встроенная  
PVx/PRx - Кассетный потолок  
PBx - Гипсокартонный потолок  
**Источник света**  
Трубчатая люминесцентная лампа (FD/FDH) (T8/T5)  
**Оптическая система**  
Парabolическая решетка PAR/PAR MAT (PLR/MLR)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Парabolическая решетка: шлифованный/матовый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Соединители  
Монтажные кронштейны  
Контрольная проволока

A classic minimalist luminaire design that brings performance to the fore.

The efficiency of louvred luminaires can be increased as much as 8 % by the addition of an aluminium top reflector above the light sources. If the reflectors are made from highly reflective Alanod MIRO® aluminium, efficiency is increased by a further 6 %. An overall 15 % increase in efficiency will have a significant impact on a lighting system's energy consumption by reducing the number of light sources needed within each luminaire, or the number of luminaires being needed within each area of application. Reflectors can be used above matt and polished louvres.



# RELAX XTP IP54 / IP65

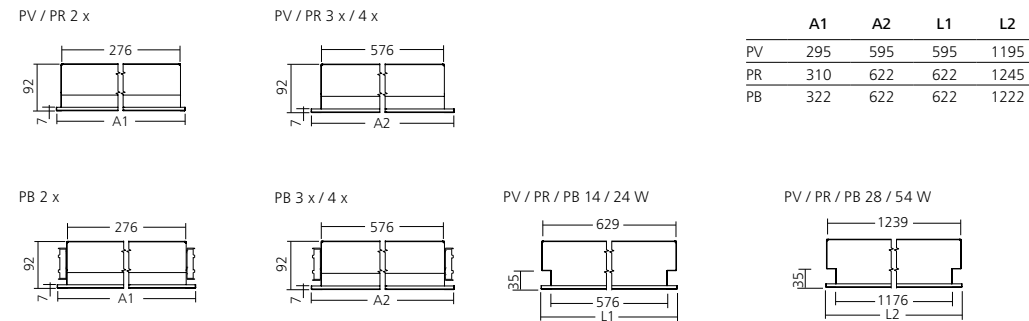
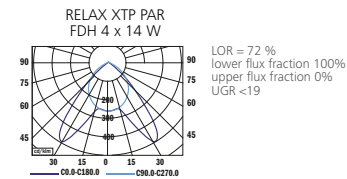
PAR / PAR MAT / DIF  
FDH

FASTRUNNER



# Relax XTP IP54 / IP65

## PHOTOMETRY



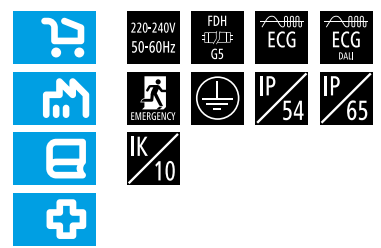
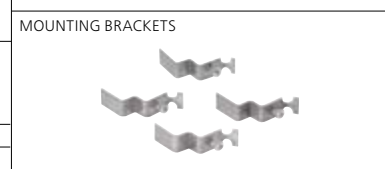
	A1	A2	L1	L2
PV	295	595	595	1195
PR	310	622	622	1245
PB	322	622	622	1222

## MOUNTING



PB TYPES	O1 x O2
2 x 28 / 54 W	310 x 1210
3 x / 4 x 14 / 24 W	585 x 1185
3 x / 4 x 28 / 54 W	610 x 1210

TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE PAR	PAR MAT	DIFFUSER OPAL	PRISMA				1H	3H		
RELAX XTP	•	•	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	8.4
RELAX XTP	•	•	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	8.4
RELAX XTP	•	•	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	8.2
RELAX XTP	•	•	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	8.2
RELAX XTP	•	•	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	8.4
RELAX XTP	•	•	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	8.4
RELAX XTP	•	•	•	•	4 x 28	FDH	G5	•	•	A+ / A / B	14.6
RELAX XTP	•	•	•	•	4 x 54	FDH	G5	•	•	A+ / A / B / C	14.6



**EN**  
**Mounting**  
 Ceiling recessed  
 PVx/PRx - T-ceiling  
 PBx - Plasterboard ceiling  
**Light source**  
 Linear fluorescent lamp (FDH)  
**Optical system**  
 Opal/microprismatic diffuser (OPD/MCD)  
 Polished/matt parabolic louvre (PLR/MLR)  
**Wiring**  
 Electronic control gear FIX/DALI (ECG/EDA)  
 Emergency unit variant (1H/3H)  
**Materials**  
 Housing: sheet steel  
 Diffuser: opal/prismatic polycarbonate  
 Parabolic louvre: polished/matt aluminium  
 Frame: elox aluminium  
 Cover: transparent PC/transparent hardened glass  
**Surface finish**  
 Housing: white RAL 9003 (W03)  
**Accessories**  
 Connectors  
 Mounting brackets  
 Safety wire

**DE**  
**Montage**  
 Einbauleuchte  
 PVx/PRx - Sichtbare T-Schiene Decke  
 PBx - Rigips Decke  
**Lichtquelle**  
 Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
 Opal/mikroprismatischer Diffusor (OPD/MCD)  
 Polierter/matter parabolischer Raster (PLR/MLR)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
 Notbeleuchtung Variante (1H/3H)  
**Material**  
 Körper: Stahlblech  
 Diffusor: opal/prismatisches Polykarbonat  
 Parabolischer Raster: poliertes/mattes Aluminium  
 Rahmen: Strangpress-Aluminium  
 Abdeckung: transp. PC/transparentes Hartglas  
**Oberflächenveredelung**  
 Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
 Stecker  
 Befestigungsklammern  
 Sicherungsseil

**FR**  
**Montage**  
 Plafonnier encastrable  
 PVx/PRx - Un faux plafond  
 PBx - Un plafond en plâtre  
**Source lumineuse**  
 Lampe fluorescente linéaire (FDH)  
**Système optique**  
 Diffuseur opale/microprisme (OPD/MCD)  
 Grille parabolique poli/mat (PLR/MLR)  
**Équipement électrique**  
 Ballast électronique FIX/DALI (ECG/EDA)  
 Variante de l'unité de secours (1H/3H)  
**Matériels**  
 Corps: tôle d'acier  
 Diffuseur: polycarbonate opale/prismatique  
 Grille parabolique: aluminium poli/mat  
 Cadre: aluminium elox  
 Couverture: transp. PC/verre trempé transparent  
**Finition de surface**  
 Corps: blanc RAL 9003 (W03)  
**Accessoires**  
 Connecteurs  
 Supports de montage  
 Fil de sécurité

**SK**  
**Montáž**  
 Vsaďené  
 PVx/PRx - Kazetový strop  
 PBx - Sádkokartonový strop  
**Svetelný zdroj**  
 Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
 Opálový/mikroprizmatický difúzor (OPD/MCD)  
 Leštená/matná parabolická mriežka (PLR/MLR)  
**Elektrická výbava**  
 Elektronický predradník FIX/DALI (ECG/EDA)  
 Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
 Teleso: oceľový plech  
 Difúzor: opálový/prizmatický polykarbonát  
 Parabolická mriežka: leštený/matný hliník  
 Rám: eloxovaný hliník  
 Kryt: transparentný PC/transparentné tvrdené sklo  
**Povrchová úprava**  
 Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
 Konektory  
 Montážne držiaky  
 Poistné lanko

**ES**  
**Montaje**  
 Empotradas en el techo  
 PVx/PRx - Techo T  
 PBx - Techo de escayola  
**Fuente luminica**  
 Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
 Difusor ópalo/microprismático (OPD/MCD)  
 Rejilla parabólica pulida/mate (PLR/MLR)  
**Cableado**  
 Equipo de control electrónico FIX/DALI (ECG/EDA)  
 Variante unidad de emergencia (1H/3H)  
**Material**  
 Cuerpo: lámina de acero  
 Difusor: ópalo/polycarbonato prismático  
 Rejilla parabólica: aluminio mate/pulido  
 Marco: aluminio elox  
 Cubierta: transp. PC/vidrio templado transparente  
**Tratamiento de la superficie**  
 Teleso: biela RAL 9003 (W03)  
**Accesorios**  
 Conectores  
 Escuadras de montaje  
 Cable de seguridad

**IT**  
**Installazione**  
 Ad incasso a soffitto  
 PVx/PRx - Struttura in vista  
 PBx - Struttura cartongesso  
**Sorgente luminosa**  
 Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
 Diffusore opale/microprismatico (OPD/MCD)  
 Griglia parabolica lucida/opaca (PLR/MLR)  
**Cablaggio**  
 Ballast elettronico FIX/DALI (ECG/EDA)  
 Variante unità di emergenza (1H/3H)  
**Materiali**  
 Corpo: lamina d'acciaio  
 Diffusore: polycarbonato prismatico/opale  
 Griglia parabolica: alluminio lucido o opaco  
 Marco: alluminio elox  
 Copertura: transp. PC/vetro temperato trasparente  
**Finitura**  
 Corpo: bianco RAL 9003 (W03)  
**Accessori**  
 Connettori  
 Supporti per installazione  
 Cavo di sicurezza

**RU**  
**Установка**  
 Потолочная встроенная  
 PVx/PRx - Кассетный потолок  
 PBx - Гипсокартонный потолок  
**Источник света**  
 Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
 Матовый/микроприз. рассеиватель (OPD/MCD)  
 Шлиф./матовая параболическая решетка (PLR/MLR)  
**Электрическое оснащение**  
 Электронный аппарат FIX/DALI (ECG/EDA)  
 Блок аварийного освещения (1H/3H)  
**Материал**  
 Корпус: листовая сталь  
 Рассеиватель: матовый/призматический поликарбонат  
 Параболическая решетка: шлиф./матовый алюминий  
 Каркас: протравленный алюминий  
 Крышка: прозрачный PC/прозрачное закаленное стекло  
**Отделка поверхности**  
 Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
 Соединители  
 Монтажные кронштейны  
 Контрольная проволока

Some areas of application demand much higher levels of luminaire protection than standard. For example, hospitals, laboratories, clean rooms and industrial areas. All of our XTP luminaires meet the requirements for at least IP54 rating of the whole luminaire, including the housing. This is thanks to the use of fully welded housings and gasket sealed openings as well as high IP rated terminal blocks and fast connectors. Protective hardened glass covers with integrated seals are used to protect the bottom of the luminaire against ingress by foreign objects, dust and water. In IP65 rated luminaires, an additional cover is used and secured under high pressure by safety clips.



High-performance and efficient lighting with a focus on safety and hygiene



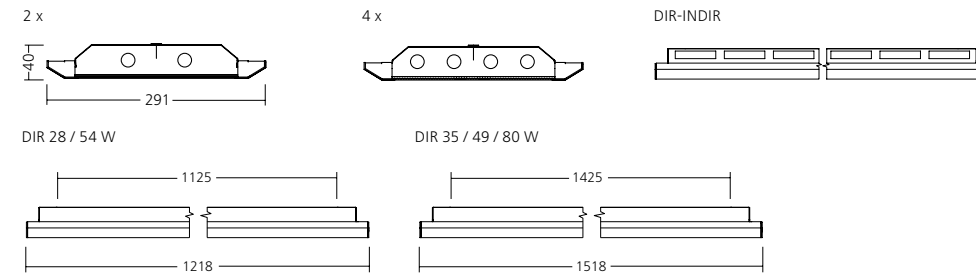
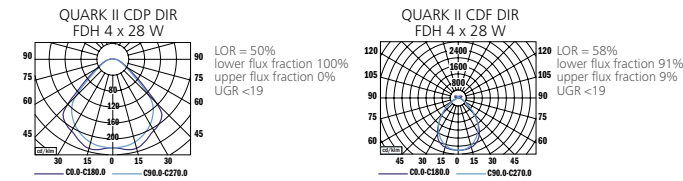


**QUARK II**  
MICROPRISMA CDP / CDF  
FDH

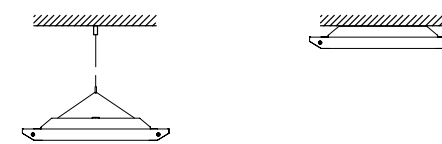


# Quark II

**PHOTOMETRY**



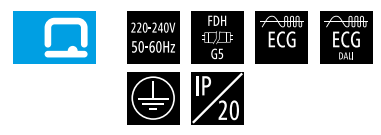
**MOUNTING**



TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EEC	WEIGHT (kg)
	CDP	CDF					
QUARK II	•	•	2 x 28	FDH	G5	A+ / A / B	5.5
QUARK II	•	•	2 x 35	FDH	G5	A+ / A / B	6.6
QUARK II	•	•	2 x 49	FDH	G5	A+ / A / B	6.6
QUARK II	•	•	2 x 54	FDH	G5	A+ / A / B / C	5.5
QUARK II	•	•	2 x 80	FDH	G5	A+ / A / B / C	6.7
QUARK II	•	•	4 x 28	FDH	G5	A+ / A / B	5.8
QUARK II	•	•	4 x 35	FDH	G5	A+ / A / B	6.7
QUARK II	•	•	4 x 49	FDH	G5	A+ / A / B	6.7



MICROPRISMA CDP  
SUS 1.35 C0/038 SUSPENSION 38



**EN**  
**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Light distribution**  
Direct  
Direct-indirect  
**Optical system**  
Microprismatic diffuser (CDP/CDF)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
**Materials**  
Housing: sheet steel + extruded aluminium  
Diffuser: PC with microprismatic finish CDP (version with opal foil CDP DIF)  
**Surface finish**  
Housing: grey RAL 9006 (G06)  
**Accessories**  
Rope suspension  
Sensor

**DE**  
**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Lichtverteilung**  
Direkt  
Direkt-indirekt  
**Optisches System**  
Mikroprismatischer Diffusor (CDP/CDF)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
**Material**  
Körper: Stahlblech + extrudiertes Aluminium  
Diffusor: PC mit Prismen Oberfläche CDP (Version mit Opal Folie CDP DIF)  
**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)  
**Zubehör**  
Seilabhängung  
Sensor

**FR**  
**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Distribution de la lumière**  
Directe  
Directe-indirecte  
**Système optique**  
Diffuseur microprisme (CDP/CDF)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
**Matériels**  
Corps: tôle d'acier + aluminium extrudé  
Diffusor: PC avec finition prismatique CDP (version avec diffuseur opale CDP DIF)  
**Finition de surface**  
Corps: gris RAL 9006 (G06)  
**Accessoires**  
Lankový záves  
Capteur

**SK**  
**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Distribúcia svetla**  
Priama  
Priama-nepriama  
**Optický systém**  
Mikroprizmatický difúzor (CDP/CDF)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
**Material**  
Těleso: ocelový plech + extrudovaný hliník  
Difúzor: PC s mikroprizmatickou úpravou CDP (verzia s opalovou fóliou CDP DIF)  
**Povrchová úprava**  
Těleso: šedá RAL 9006 (G06)  
**Príslušenstvo**  
Lankový záves  
Senzor

**ES**  
**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Distribución de la luz**  
Directa  
Directa-indirecta  
**Sistema óptico**  
Difusor microprismático (CDP/CDF)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
**Material**  
Cuerpo: lámina de acero + aluminio extruido  
Difusor: PC con acabado prismático CDP (versión con lámina opal CDP DIF)  
**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)  
**Accesorios**  
Cable de suspensión  
Sensor

**IT**  
**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Distribuzione della luce**  
Diretta  
Diretta-indiretta  
**Sistema ottico**  
Diffusore microprismatico (CDP/CDF)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
**Materiali**  
Corpo: lamina d'acciaio + estruso di alluminio  
Diffusore: PC con finitura prismatica CDP (versione con opale foglio CDP DIF)  
**Finitura**  
Corpo: grigio RAL 9006 (G06)  
**Accessori**  
Cavo di sospensione  
Sensore

**RU**  
**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Распределение света**  
Прямое  
Прямое-косвенный  
**Оптическая система**  
микропризматический рассеиватель (CDP/CDF)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
**Материал**  
Корпус: листовая сталь + экструдированный алюминий  
Рассеиватель: ПЛС с микропризматической отделкой CDP (версия с опалом фольги CDP DIF)  
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)  
**Аксессуары**  
Тросовый подвес  
Датчик

Simple, high quality lighting with a more aesthetic focus.

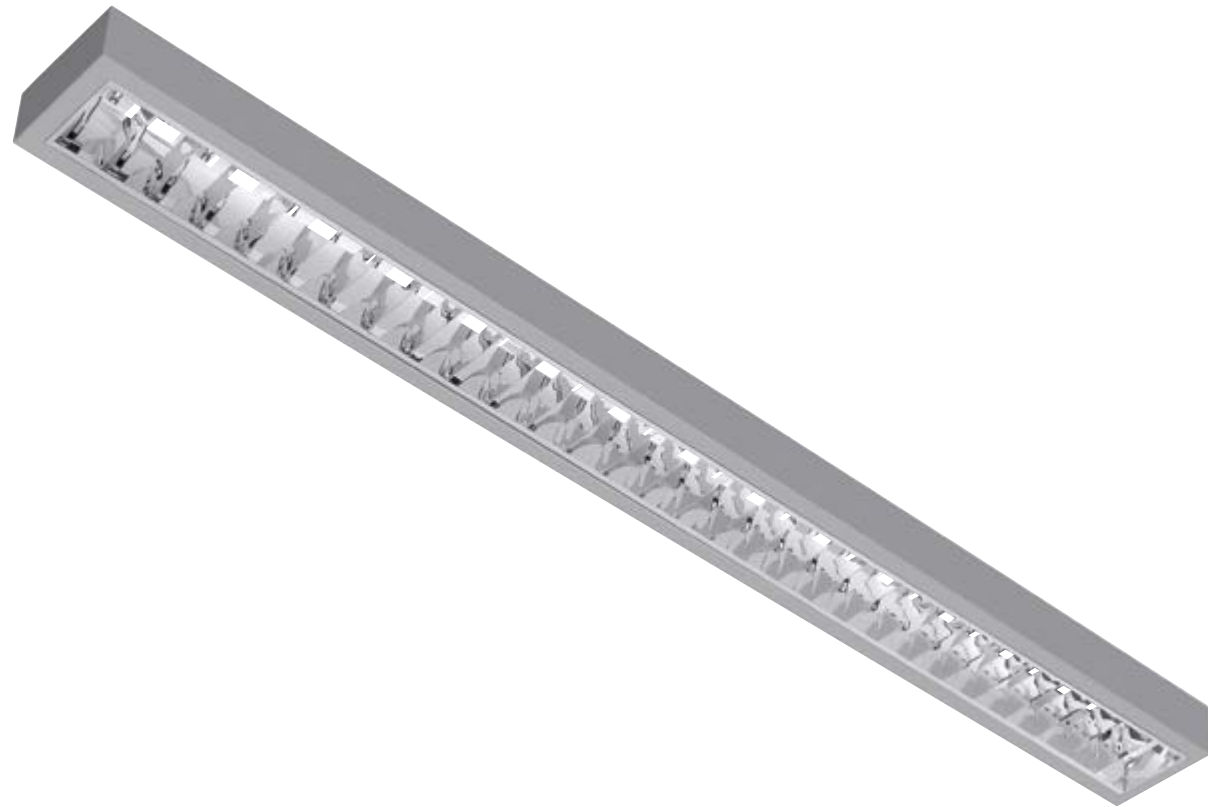
A decorative clear or opal prismatic diffuser modifies the light distribution to make it wider and more uniform, increasing visual comfort. The opal variant offers further reduced glare compared to the clear variant although with slightly reduced overall luminaire efficiency. Often used as a substitute for parabolic louvres, such diffusers also act as a useful barrier below light sources in luminaires installed at low heights that are vulnerable to ingress by foreign objects or to being tampered with. The suspended version of the luminaire can also be equipped with a top reflector to direct some of the light onto the ceiling to create a more open and airy atmosphere, ideal for offices, meeting rooms and representative areas.



# LAMBDA

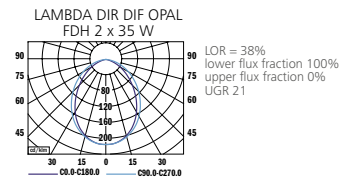
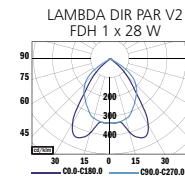
PAR-V2 / PAR MAT-V2 / DIF / ASYM  
FDH

FASTRUNNER

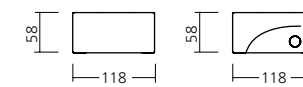


# Lambda

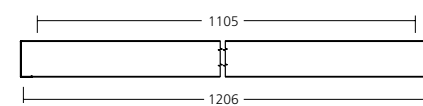
## PHOTOMETRY



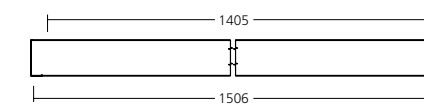
## ASYM



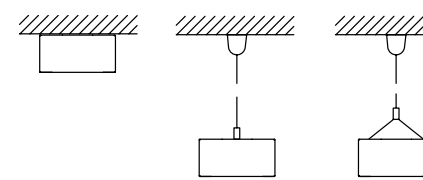
28 / 54 W



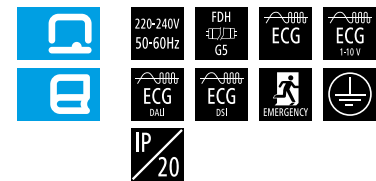
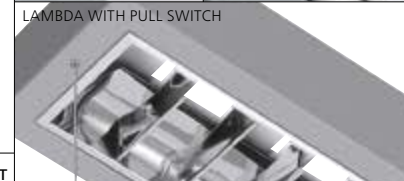
35 / 49 / 80 W



## MOUNTING



TYPE	OPTICAL SYSTEM					POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE		DIFFUSER		REFLECTOR				1H	3H		
	PAR-V2	PAR MAT-V2	OPAL	MICROPRISMA	ASYM							
LAMBDA	*	*	*	*	*	1 x 28	FDH	G5	*	*	A+ / A / B	3.2
LAMBDA	*	*	*	*	*	1 x 35	FDH	G5	*	*	A+ / A / B	3.7
LAMBDA	*	*	*	*	*	1 x 49	FDH	G5	*	*	A+ / A / B	3.7
LAMBDA	*	*	*	*	*	1 x 54	FDH	G5	*	*	A+ / A / B / C	3.2
LAMBDA	*	*	*	*	*	1 x 80	FDH	G5	*	*	A+ / A / B / C	3.7
LAMBDA	*	*	*	*	-	2 x 28	FDH	G5	*	*	A+ / A / B	3.3
LAMBDA	*	*	*	*	-	2 x 35	FDH	G5	*	*	A+ / A / B	3.8
LAMBDA	*	*	*	*	-	2 x 49	FDH	G5	*	*	A+ / A / B	3.8
LAMBDA	*	*	*	*	-	2 x 54	FDH	G5	*	*	A+ / A / B / C	3.3
LAMBDA	*	*	*	*	-	2 x 80	FDH	G5	*	*	A+ / A / B / C	3.8



## EN

**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymmetric polished reflector (ASP)  
Opal/prismatic diffuser (OPD/PRD)  
**Light distribution**  
Direct  
Direct-indirect  
Asymmetric  
**Wiring**  
Electronic control gear FIX/1-10V/DSI/DALI (ECG/E10/EDS/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Reflector: polished anodised aluminium  
Diffuser: opal/microprismatic polycarbonate  
**Surface finish**  
Housing: grey RAL 9006 (G06)  
**Accessories**  
Rope suspension, Pull switch

## DE

**Montage**  
Plafonier/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymmetrischer polierter Reflektor (ASP)  
Opal/prismatisches Diffusor (OPD/PRD)  
**Lichtverteilung**  
Direkt  
Direkt-indirekt  
Asymmetrisch  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/1-10V/DSI/DALI (ECG/E10/EDS/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Reflektor: polierte eloxiertes Aluminium  
Diffusor: opal/mikroprismatisches Polycarbonat  
**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)  
**Zubehör**  
Seilaufhängung, Zugschalter

## FR

**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Réflecteur asymétrique poli (ASP)  
Diffuseur opale/prismatique (OPD/PRD)  
**Distribution de la lumière**  
Directe  
Directe-indirecte  
Asymétrique  
**Équipement électrique**  
Ballast électronique FIX/1-10V/DSI/DALI (ECG/E10/EDS/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Réflecteur: aluminium anodisé poli  
Diffusor: polycarbonate opale/microprismatique  
**Finition de surface**  
Corps: gris RAL 9006 (G06)  
**Accessoires**  
Câble de suspension, Interrupteur

## SK

**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymetrický leštený reflektor (ASP)  
Opalový/prizmatický difúzor (OPD/PRD)  
**Distribúcia svetla**  
Priama  
Priama-nepriama  
Asymetrická  
**Elektrická výbava**  
Elektronický predradník FIX/1-10V/DSI/DALI (ECG/E10/EDS/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Teleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Reflektor: leštený anodizovaný hliník  
Difúzor: opalový/mikroprizmatický polycarbonát  
**Povrchová úprava**  
Teleso: šedá RAL 9006 (G06)  
**Príslušenstvo**  
Lankový záves, Ťahový vypínač

## ES

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Reflector pulido asimétrico (ASP)  
Difusor opalescente/prismático (OPD/PRD)  
**Distribución de la luz**  
Directa  
Directa-indirecta  
Asimétrica  
**Cableado**  
Equipo de control electrónico FIX/1-10V/DSI/DALI (ECG/E10/EDS/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Reflector: aluminio anodizado pulido  
Difusor: ópalo/polycarbonato microprismático  
**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)  
**Accesorios**  
Cable de suspensión, Cable de tracción

## IT

**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Riflettore asimmetrico lucido (ASP)  
Diffusore opale/prismatico (OPD/PRD)  
**Distribuzione della luce**  
Diretta  
Diretta-indiretta  
Asimmetrica  
**Cablaggio**  
Ballast elettronico FIX/1-10V/DSI/DALI (ECG/E10/EDS/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Riflettore: alluminio anodizzato lucido  
Diffusore: polycarbonato microprismatico/opale  
**Finitura**  
Corpo: grigio RAL 9006 (G06)  
**Accessori**  
Cavo di sospensione, Interruttore a trazione

## RU

**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Асимметричного полированный отражатель (ASP)  
Матовый/микроризматический Рассеиватель (OPD/PRD)  
**Распределение света**  
Прямое  
Прямое-косвенный  
Асимметричное  
**Электрическое оснащение**  
Электронный аппарат FIX/1-10V/DSI/DALI (ECG/E10/EDS/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлиф./матовый алюминий  
Отражатель: шлифованный анодированный алюминий  
Рассеиватель: матовый/микрориз. поликарбонат  
**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)  
**Аксессуары**  
Тросовый подвес, Шнуровой выключатель

Highly-flexible with a minimalist and stylish design that suits any space.

By having luminaires with a wide range of optical systems, it is possible to maintain a unified aesthetic while always using the best optics for each space. Available with highly effective polished or matt Alanod MIRO® aluminium PAR-V2 louvres combined with aluminium top reflectors, the louvre optical system brings great visual comfort and excellent performance. As an alternative, there is the option of a clear or opal microprismatic diffuser, which is ideal for softening

the light and protecting the luminaire against ingress by foreign objects when installed at low heights. And for vertical surfaces, choose the asymmetric reflector optical system to provide optimised light distribution for the illumination of walls, wall-mounted object, blackboards, whiteboards and shelves. Suspended versions can also be equipped with an aluminium top reflector to direct some of the light onto the ceiling to create a more open and airy atmosphere.





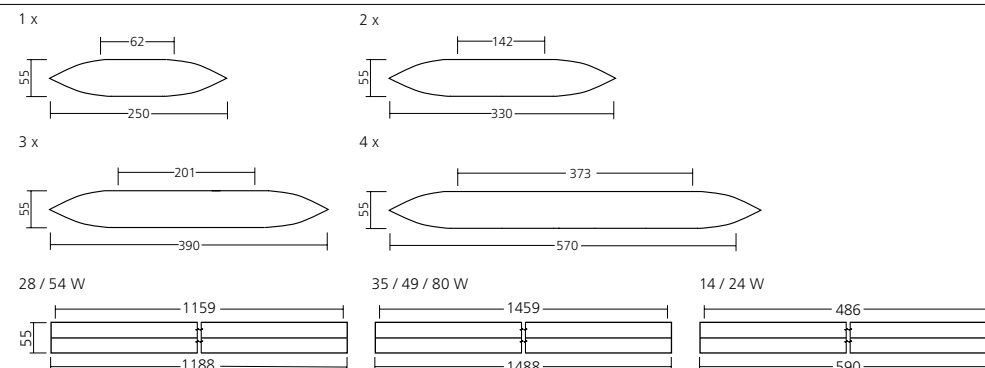
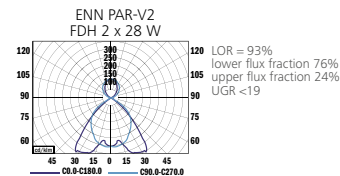
ENN

PAR-V / PAR MAT-V / PAR-V2 / PAR MAT-V2 / MICROPRISMA LDP / CDP / CDF  
FDH

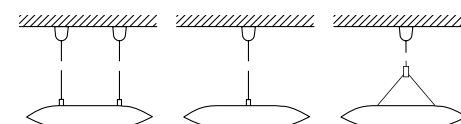


Enn

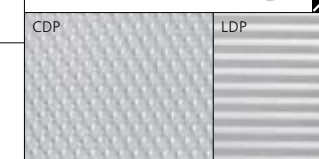
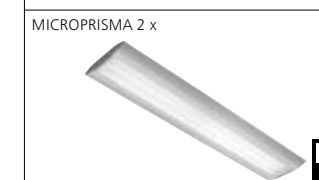
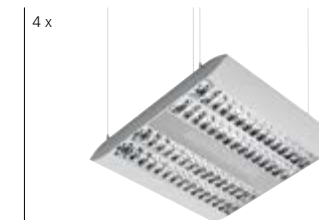
PHOTOMETRY



MOUNTING



TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)			
	LOUVRE		DIFFUSER					1H	3H					
	PAR-V	PAR MAT-V	PAR-V2	PAR MAT-V2	LDP	CDP	CDF							
ENN	-	-	•	•	-	-	-	1 x 28	FDH	G5	•	•	A+ / A / B	4.6
ENN	-	-	•	•	-	-	-	1 x 35	FDH	G5	•	•	A+ / A / B	5.4
ENN	-	-	•	•	-	-	-	1 x 49	FDH	G5	•	•	A+ / A / B	5.4
ENN	-	-	•	•	-	-	-	1 x 54	FDH	G5	•	•	A+ / A / B / C	4.6
ENN	-	-	•	•	-	-	-	1 x 80	FDH	G5	•	•	A+ / A / B / C	5.5
ENN	-	-	•	•	-	-	-	2 x 28	FDH	G5	•	•	A+ / A / B	5.1
ENN	-	-	•	•	-	-	-	2 x 35	FDH	G5	•	•	A+ / A / B	6.1
ENN	-	-	•	•	-	-	-	2 x 49	FDH	G5	•	•	A+ / A / B	6.2
ENN	-	-	•	•	-	-	-	2 x 54	FDH	G5	•	•	A+ / A / B / C	5.2
ENN	-	-	•	•	-	-	-	2 x 80	FDH	G5	•	•	A+ / A / B / C	6.2
ENN	•	•	-	-	-	-	-	4 x 14	FDH	G5	•	•	A+ / A / B	3.6
ENN	•	•	-	-	-	-	-	4 x 24	FDH	G5	•	•	A+ / A / B	3.6
ENN MICROPRISMA	-	-	-	-	•	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	5.3
ENN MICROPRISMA	-	-	-	-	•	•	•	2 x 35	FDH	G5	•	•	A+ / A / B	6.3
ENN MICROPRISMA	-	-	-	-	•	•	•	2 x 49	FDH	G5	•	•	A+ / A / B	6.3
ENN MICROPRISMA	-	-	-	-	•	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	5.4
ENN MICROPRISMA	-	-	-	-	•	•	•	2 x 80	FDH	G5	•	•	A+ / A / B / C	6.4
ENN MICROPRISMA	-	-	-	-	•	•	•	3 x 28	FDH	G5	•	•	A+ / A / B	6.3
ENN MICROPRISMA	-	-	-	-	•	•	•	3 x 35	FDH	G5	•	•	A+ / A / B	7.3



**EN**  
**Mounting**  
Suspended (SSD)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Polished/matt parabolic louvre  
PAR-V/PAR MAT-V (PLV/MLV)  
Microprismatic diffuser (LDP/CDP/CDF)  
**Light distribution**  
Direct, Direct-indirect  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
End caps: sheet steel  
Diffuser: PC with microprismatic finish LDP/CDP/CDF (CDP with opal foil)  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension, Pull switch

**DE**  
**Montage**  
Hängend (SSD)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Polierter/matter parabolischer Raster  
PAR-V/PAR MAT-V (PLV/MLV)  
Mikroprismatischer Diffusor (LDP/CDP/CDF)  
**Lichtverteilung**  
Direkt, Direkt-indirekt  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Abschlüsse: Stahlblech  
Diffusor: PC mit Prismen Oberfläche LDP/CDP/CDF (CDP mit opaler Folie)  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilabhängung, Zugschalter

**FR**  
**Montage**  
Suspendu (SSD)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Grille parabolique poli/mat  
PAR-V/PAR MAT-V (PLV/MLV)  
Diffuseur microprisme (LDP/CDP/CDF)  
**Distribution de la lumière**  
Directe, Directe-indirecte  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Extrémités: tôle d'acier  
Diffusor: PC avec finition prismatique LDP/CDP/CDF (version avec feuille opale CDP)  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension, Interrupteur

**SK**  
**Montáž**  
Závěsné (SSD)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Leštená/matná parabolická mriežka  
PAR-V/PAR MAT-V (PLV/MLV)  
Mikroprizmatický difúzor (LDP/CDP/CDF)  
**Distribúcia svetla**  
Priama, Priama-nepriama  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Teleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Koncovky: oceľový plech  
Difúzor: PC s mikroprizmatickou úpravou LDP/CDP/CDF (CDP verzia s opalovou fóliou)  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves, Ťahový vypínač

**ES**  
**Montaje**  
Suspendidas (SSD)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Rejilla parabólica pulida/mate  
PAR-V/PAR MAT-V (PLV/MLV)  
Difusor microprismático (LDP/CDP/CDF)  
**Distribución de la luz**  
Directa, Directa-indirecta  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Teleso: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Tapas en los extremos: lámina de acero  
Difusor: PC con finitura prismática LDP/CDP/CDF (versión con película opaca CDP)  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión, Cable de tracción

**IT**  
**Installazione**  
A sospensione (SSD)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Griglia parabolica lucida/opaca  
PAR-V/PAR MAT-V (PLV/MLV)  
Diffusore microprismatico (LDP/CDP/CDF)  
**Distribuzione della luce**  
Diretta, Diretta-indiretta  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Terminali: lamina d'acciaio  
Diffusor: PC con acabado prismático LDP/CDP/CDF (CDP con lamina de ópalo)  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione, Interruttore a trazione

**RU**  
**Установка**  
Подвесная (SSD)  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Шлифованная/матовая параболическая решетка  
PAR-V/PAR MAT-V (PLV/MLV)  
Микропризматический рассеиватель (LDP/CDP/CDF)  
**Распределение света**  
Прямое, Прямое-косвенный  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлиф./матовый алюминий  
Торцевые крышки: листовая сталь  
Рассеиватель: ПЦ с микропризматической отделкой LDP/CDP/CDF (CDP с матовой фольгой)  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес, Шнуровой выключатель

A versatile and effective luminaire with many optical variants including indirect illumination.

OMS PAR-V2 louvres offer unrivalled louvre efficiency thanks to their intricate and digitally optimised design and the highly reflective Alanod MIRO® aluminium used in their construction. Each louvre is made up from many small optical surfaces aligned at various angles in order to provide an ideal light distribution that minimises glare while also maximising overall luminaire effectiveness. The enhanced lamella and side-plate shape means that the optical system is semi-closed without compromise on the amount of light being emitted from the luminaire, which offers great visual comfort and reduces the number of luminaires needed to provide a desired light level. The suspended version of the luminaire can also be equipped with a polished anodised top reflector to direct some of the light onto the ceiling to create a more open and airy atmosphere, ideal for offices, meeting rooms and representative areas.

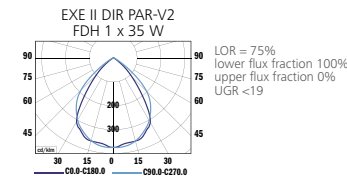


**EXE II**  
PAR-V2 / PAR MAT-V2  
FDH

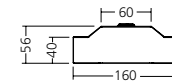


# Exe II

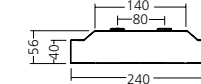
**PHOTOMETRY**



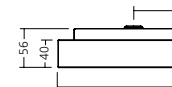
1x / TWIN



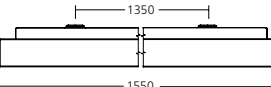
2 x



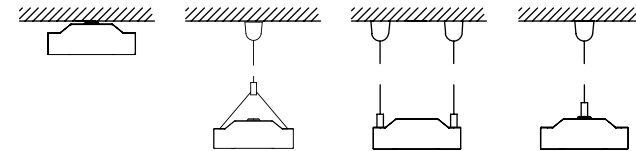
28 / 54 W



35 / 49 / 80 W



**MOUNTING**



**TYPE**

TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE	PAR MAT-V2				1H	3H		
EXE II	•	•	1 x 28	FDH	G5	•	•	A+ / A / B	3.3
EXE II	•	•	1 x 35	FDH	G5	•	•	A+ / A / B	3.8
EXE II	•	•	1 x 49	FDH	G5	•	•	A+ / A / B	3.8
EXE II	•	•	1 x 54	FDH	G5	•	•	A+ / A / B / C	3.4
EXE II	•	•	1 x 80	FDH	G5	•	•	A+ / A / B / C	3.9
EXE II	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	3.5
EXE II	•	•	2 x 35	FDH	G5	•	•	A+ / A / B	4.1
EXE II	•	•	2 x 49	FDH	G5	•	•	A+ / A / B	4.1
EXE II	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	3.6
EXE II	•	•	2 x 80	FDH	G5	•	•	A+ / A / B / C	4.1
EXE II TWIN	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	3.5
EXE II TWIN	•	•	2 x 35	FDH	G5	•	•	A+ / A / B	4.2
EXE II TWIN	•	•	2 x 49	FDH	G5	•	•	A+ / A / B	4.2
EXE II TWIN	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	3.6
EXE II TWIN	•	•	2 x 80	FDH	G5	•	•	A+ / A / B / C	4.3



**EN**  
**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Polished/matt parabolic louvre  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
**Light distribution**  
Direct  
Direct-indirect  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension  
Pull switch

**DE**  
**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Polierter/matter parabolischer Raster  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
**Lichtverteilung**  
Direkt  
Direkt-indirekt  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilaufhängung  
Zugschalter

**FR**  
**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Grille parabolique poli/mat  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
**Distribution de la lumière**  
Directe  
Directe-indirecte  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension  
Interrupteur

**SK**  
**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Leštená/matná parabolická mriežka  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
**Distribúcia svetla**  
Priama  
Priama-nepriama  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Teleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves  
Ťahový vypínač

**ES**  
**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Rejilla parabólica pulida/mate  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
**Distribución de la luz**  
Directa  
Directa-indirecta  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión  
Cable de tracción

**IT**  
**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Griglia parabolica lucida/opaca  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
**Distribuzione della luce**  
Diretta  
Diretta-indiretta  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione  
Interruttore a trazione

**RU**  
**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Шлифованная/матовая параболическая решетка  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
**Распределение света**  
Прямое  
Прямое-косвенный  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный/матовый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес  
Шнуровой выключатель

Comfortable light and stylish design combined with high-performance optics.

OMS PAR-V2 louvres offer unrivalled louvre efficiency thanks to their intricate and digitally optimised design and the highly reflective Alanod MIRO® aluminium used in their construction. Each louvre is made up from many small optical surfaces aligned at various angles in order to provide an ideal light distribution that minimises glare while also maximising overall luminaire effectiveness. The enhanced lamella and side-plate shape means that the optical system is semi-closed without compromise on the amount of light being emitted from the luminaire, which offers great visual comfort and reduces the number of luminaires needed to provide a desired light level. The suspended version of the luminaire can also be equipped with a polished anodised top reflector to direct some of the light onto the ceiling to create a more open and airy atmosphere, ideal for offices, meeting rooms and representative areas.



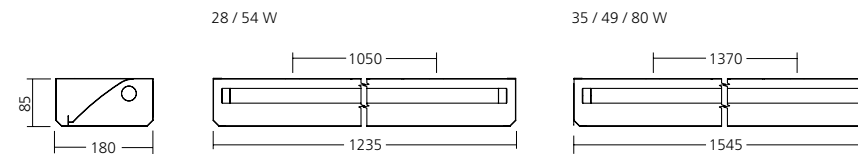
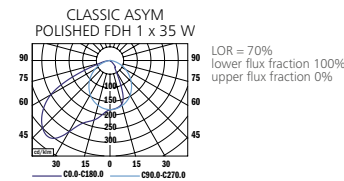


**CLASSIC ASYM**  
POLISHED / MATT  
FDH

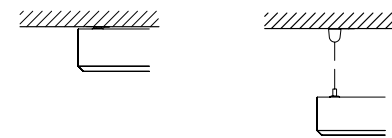


# Classic Asym

## PHOTOMETRY



## MOUNTING



TYPE	REFLECTOR		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	POLISHED	MATT				1H	3H		
CLASSIC ASYM	•	•	1 x 28	FDH	G5	•	•	A+ / A / B	3.9
CLASSIC ASYM	•	•	1 x 35	FDH	G5	•	•	A+ / A / B	4.5
CLASSIC ASYM	•	•	1 x 49	FDH	G5	•	•	A+ / A / B	4.5
CLASSIC ASYM	•	•	1 x 54	FDH	G5	•	•	A+ / A / B / C	3.9
CLASSIC ASYM	•	•	1 x 80	FDH	G5	•	•	A+ / A / B / C	4.5

POLISHED



MATT



SUS 1.35 C0/003 SUSPENSION 03



EN

**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Asymmetric polished/matt reflector (ASP/ASM)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Reflector: polished/matt aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension

DE

**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Asymmetrischer polierter/matter Reflektor (ASP/ASM)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Reflektor: poliertes/mattes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilauflhängung

FR

**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Réflecteur asymétrique poli/mat (ASP/ASM)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Réflecteur: aluminium poli/mat  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension

SK

**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Asymetrický leštený/matný reflektor (ASP/ASM)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Teleso: oceľový plech  
Reflektor: leštený/matný hliník  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves

ES

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Reflector pulido/mate asimétrica (ASP/ASM)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Reflector: aluminio pulido/mate  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión

IT

**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Riflettore asimmetrico lucido/opaco (ASP/ASM)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Riflettore: alluminio lucido/opaco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Асимметричного полированный/матовый отражателя (ASP/ASM)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Отражатель: шлифованный/матовый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес

High-performance, low-glare lighting for walls and wall-mounted surfaces and objects.

Asymmetric light distribution is very useful for highlighting walls and wall-mounted objects as well as for the adequate illumination of blackboards and whiteboards in schools, presentation halls and meeting rooms. Another key application is for the vertical illumination of shelves and other vertical merchandising layouts in stores and supermarkets for the proper highlighting of goods. It is beneficial to choose asymmetric luminaires that maintain the

same aesthetic style as those used for asymmetric general illumination in order to achieve a unified overall appearance in a space.



**CLASSIC DIF**  
OPAL / PRISMA  
FD / FDH



# Classic Dif



220-240V  
50-60Hz

FD  
G13

FDH  
G5

ECG

EMERGENCY

IP 40

**EN**

**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FD/FDH)  
**Optical system**  
Opal/prismatic diffuser (OPD/PRD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Diffuser: opal PMMA/prismatic PS  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension

**DE**

**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FD/FDH)  
**Optisches System**  
Opal/prismatisches Diffusor (OPD/PRD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Diffusor: opal PMMA/mikroprismatisches PS  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilauflhängung

**FR**

**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FD/FDH)  
**Système optique**  
Diffuseur opale/prismatique (OPD/PRD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Diffusor: opale PMMA/prismatique PS  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension

**SK**

**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FD/FDH)  
**Optický systém**  
opálový/prizmatický difúzor (OPD/PRD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: ocelový plech  
Difúzor: opalový PMMA/mikroprizmatický PS  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves

**ES**

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FD/FDH)  
**Sistema óptico**  
Difusor opalescente/prismático (OPD/PRD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: opalo PMMA/prismático PS  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión

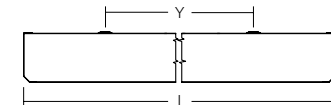
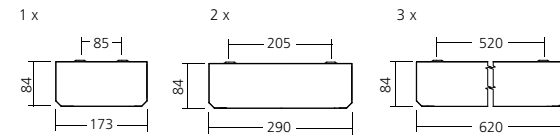
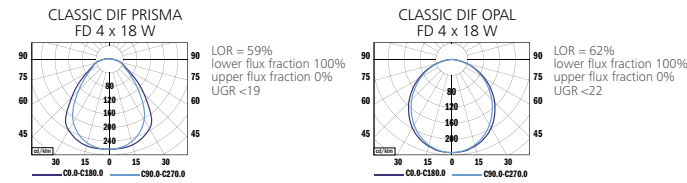
**IT**

**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FD/FDH)  
**Sistema ottico**  
diffusore opale/prismatico (OPD/PRD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: PMMA opale/PS prismatico  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione

**RU**

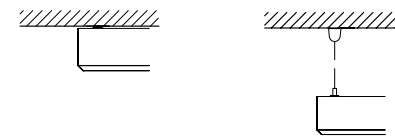
**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FD/FDH)  
**Оптическая система**  
матовый/микроризматический Рассеиватель (OPD/PRD)  
Электронное оснащение  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: матовый полиметилметакрилат/  
призматический полиметилметакрилат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес

**PHOTOMETRY**



	L	Y
2 x 14 / 18 / 24 W	620	510
3 x / 4 x 14 / 18 / 24 W	620	345
28 / 36 / 54 W	1250	1075
35 / 49 / 58 / 80 W	1550	1375

**MOUNTING**



TYPE	OPTICAL SYSTEM DIFFUSER		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	OPAL	PRISMA				1H	3H		
CLASSIC DIF	*	*	1 x 36	FD	G13	*	*	A+ / A / B / C	4.6
CLASSIC DIF	*	*	1 x 58	FD	G13	*	*	A+ / A / B / C	5.7
CLASSIC DIF	*	*	1 x 28	FDH	G5	*	*	A+ / A / B	4.6
CLASSIC DIF	*	*	1 x 35	FDH	G5	*	*	A+ / A / B	5.7
CLASSIC DIF	*	*	1 x 49	FDH	G5	*	*	A+ / A / B	5.7
CLASSIC DIF	*	*	1 x 54	FDH	G5	*	*	A+ / A / B / C	4.6
CLASSIC DIF	*	*	1 x 80	FDH	G5	*	*	A+ / A / B / C	5.7
CLASSIC DIF	*	*	2 x 18	FD	G13	*	*	A / B / C	3.4
CLASSIC DIF	*	*	2 x 36	FD	G13	*	*	A+ / A / B / C	6.1
CLASSIC DIF	*	*	2 x 58	FD	G13	*	*	A+ / A / B / C	7.4
CLASSIC DIF	*	*	2 x 14	FDH	G5	*	*	A+ / A / B	3.4
CLASSIC DIF	*	*	2 x 24	FDH	G5	*	*	A+ / A / B	3.4
CLASSIC DIF	*	*	2 x 28	FDH	G5	*	*	A+ / A / B	6.1
CLASSIC DIF	*	*	2 x 35	FDH	G5	*	*	A+ / A / B	7.3
CLASSIC DIF	*	*	2 x 49	FDH	G5	*	*	A+ / A / B	7.3
CLASSIC DIF	*	*	2 x 54	FDH	G5	*	*	A+ / A / B / C	6.1
CLASSIC DIF	*	*	2 x 80	FDH	G5	*	*	A+ / A / B / C	7.3
CLASSIC DIF	*	*	3 x 18	FD	G13	*	*	A / B / C	5.8
CLASSIC DIF	*	*	3 x 36	FD	G13	*	*	A+ / A / B / C	10.9
CLASSIC DIF	*	*	4 x 18	FD	G13	*	*	A / B / C	5.9
CLASSIC DIF	*	*	4 x 36	FD	G13	*	*	A+ / A / B / C	10.9
CLASSIC DIF	*	*	4 x 14	FDH	G5	*	*	A+ / A / B	5.9
CLASSIC DIF	*	*	4 x 24	FDH	G5	*	*	A+ / A / B	5.9

1 x 36 / 28 / 54 W



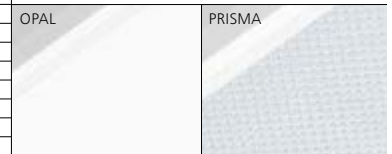
3 x 18 W



2 x 36 / 28 / 54 W



3 x 36 W



SUS 1.35 C0/003 SUSPENSION 03



Diffusers make lighting more uniform and softer as well as adding an extra level of safety.

A decorative clear or opal prismatic diffuser modifies the light distribution to make it wider and more uniform, increasing visual comfort with little compromise to overall luminaire efficiency. Such diffusers also act as a useful barrier below the light sources for luminaires installed at low heights that are vulnerable to ingress by foreign objects or to being tampered with.

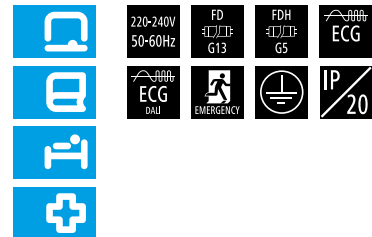




**CLASSIC**  
LA / LB / LAM  
FD / FDH



# Classic LA / LB / LAM

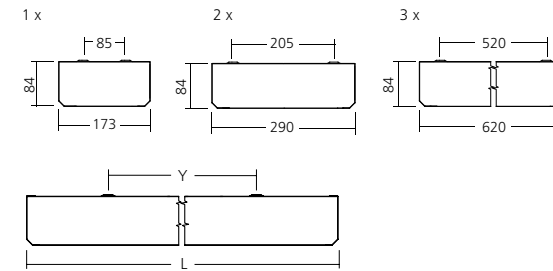
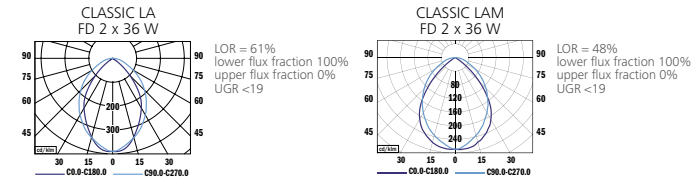


**EN**  
**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FD/FDH)  
**Optical system**  
Polished aluminium louvre (LA)  
White painted aluminium louvre (LB)  
Matt aluminium louvre (LAM)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Louvre: polished/matt/white aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension

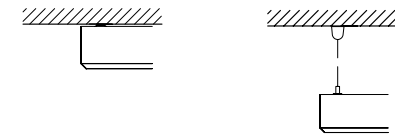
**DE**  
**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FD/FDH)  
**Optisches System**  
Polierter Aluminiumraster (LA)  
Weiss lackierter Aluminiumraster (LB)  
Matter Aluminium-Raster (LAM)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Raster: poliertes/mattes/weisses Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilaufhängung

**FR**  
**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FD/FDH)  
**Système optique**  
Grille en aluminium poli (LA)  
Grille en aluminium blanche (LB)  
Grille en aluminium mat (LAM)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille: aluminium poli/mat/blanc  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension

## PHOTOMETRY



## MOUNTING



TYPE	OPTICAL SYSTEM LOUVRE			POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LA	LAM	LB				1H	3H		
CLASSIC	*	*	*	1 x 36	FD	G13	*	*	A+ / A / B / C	3.8
CLASSIC	*	*	*	1 x 58	FD	G13	*	*	A+ / A / B / C	4.6
CLASSIC	*	*	*	1 x 28	FDH	G5	*	*	A+ / A / B	3.8
CLASSIC	*	*	*	1 x 35	FDH	G5	*	*	A+ / A / B	4.6
CLASSIC	*	*	*	1 x 49	FDH	G5	*	*	A+ / A / B	4.6
CLASSIC	*	*	*	1 x 54	FDH	G5	*	*	A+ / A / B / C	3.8
CLASSIC	*	*	*	1 x 80	FDH	G5	*	*	A+ / A / B / C	4.6
CLASSIC	*	*	*	2 x 18	FD	G13	*	*	A / B / C	2.8
CLASSIC	*	*	*	2 x 36	FD	G13	*	*	A+ / A / B / C	5.1
CLASSIC	*	*	*	2 x 58	FD	G13	*	*	A+ / A / B / C	5.4
CLASSIC	*	*	*	2 x 14	FDH	G5	*	*	A+ / A / B	2.8
CLASSIC	*	*	*	2 x 24	FDH	G5	*	*	A+ / A / B	2.8
CLASSIC	*	*	*	2 x 28	FDH	G5	*	*	A+ / A / B	5.1
CLASSIC	*	*	*	2 x 35	FDH	G5	*	*	A+ / A / B	5.4
CLASSIC	*	*	*	2 x 49	FDH	G5	*	*	A+ / A / B	5.4
CLASSIC	*	*	*	2 x 54	FDH	G5	*	*	A+ / A / B / C	5.1
CLASSIC	*	*	*	2 x 80	FDH	G5	*	*	A+ / A / B / C	5.4
CLASSIC	*	*	*	3 x 18	FD	G13	*	*	A / B / C	4.8
CLASSIC	*	*	*	3 x 36	FD	G13	*	*	A+ / A / B / C	8.3
CLASSIC	*	*	*	4 x 18	FD	G13	*	*	A / B / C	5.0
CLASSIC	*	*	*	4 x 36	FD	G13	*	*	A+ / A / B / C	8.9
CLASSIC	*	*	*	4 x 14	FDH	G5	*	*	A+ / A / B	5.0
CLASSIC	*	*	*	4 x 24	FDH	G5	*	*	A+ / A / B	5.0



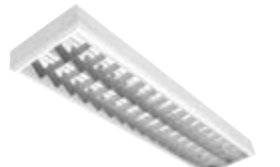
1 x 36 / 28 / 54 W



3 x 18 W



2 x 36 / 28 / 54 W



LA



LAM



LB



SUS 1.35 C0/003 SUSPENSION 03



SURFACED AND SUSPENDED LUMINAIRES

A basic and effective optical system that ensures visual comfort.

Tree-shaped lamella optics are available with polished etched, matt and white painted surface finishes. The polished etched optical system offers good control of the light distribution with an excellent quality to price ratio. The matt optical system ensures a softer light distribution, and the white painted optical system is ideal for use in areas where visual comfort is needed but a specific light distribution not important.



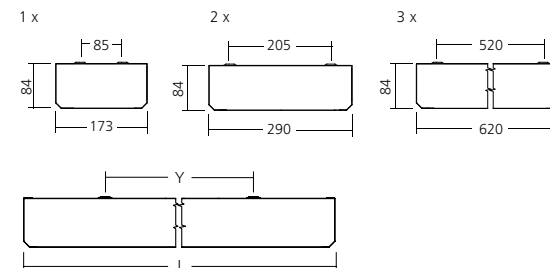
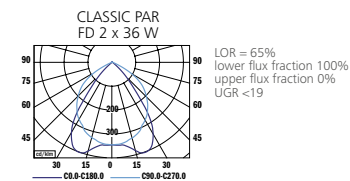
CONVENTIONAL LUMINAIRES

**CLASSIC**  
PAR / PAR MAT  
FD / FDH

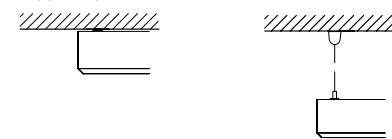


# Classic PAR / PAR MAT

**PHOTOMETRY**



**MOUNTING**



TYPE	OPTICAL SYSTEM LOUVRE		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	PAR	PAR MAT				1H	3H		
CLASSIC	•	•	1 x 36	FD	G13	•	•	A+ / A / B / C	3.8
CLASSIC	•	•	1 x 58	FD	G13	•	•	A+ / A / B / C	4.7
CLASSIC	•	•	1 x 28	FDH	G5	•	•	A+ / A / B	3.8
CLASSIC	•	•	1 x 35	FDH	G5	•	•	A+ / A / B	4.7
CLASSIC	•	•	1 x 49	FDH	G5	•	•	A+ / A / B	4.7
CLASSIC	•	•	1 x 54	FDH	G5	•	•	A+ / A / B / C	3.8
CLASSIC	•	•	1 x 80	FDH	G5	•	•	A+ / A / B / C	4.7
CLASSIC	•	•	2 x 18	FD	G13	•	•	A / B / C	3.0
CLASSIC	•	•	2 x 36	FD	G13	•	•	A+ / A / B / C	5.2
CLASSIC	•	•	2 x 58	FD	G13	•	•	A+ / A / B / C	6.2
CLASSIC	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	3.0
CLASSIC	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	3.0
CLASSIC	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	5.2
CLASSIC	•	•	2 x 35	FDH	G5	•	•	A+ / A / B	6.2
CLASSIC	•	•	2 x 49	FDH	G5	•	•	A+ / A / B	6.2
CLASSIC	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	5.2
CLASSIC	•	•	2 x 80	FDH	G5	•	•	A+ / A / B / C	6.2
CLASSIC	•	•	3 x 18	FD	G13	•	•	A / B / C	5.2
CLASSIC	•	•	3 x 36	FD	G13	•	•	A+ / A / B / C	9.1
CLASSIC	•	•	4 x 18	FD	G13	•	•	A / B / C	5.2
CLASSIC	•	•	4 x 36	FD	G13	•	•	A+ / A / B / C	9.1
CLASSIC	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	5.2
CLASSIC	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	5.2

1 x 36 / 28 / 54 W



3 x 18 W



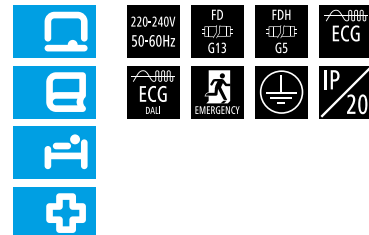
2 x 36 / 28 / 54 W



3 x 36 W



SUS 1.35 C0/003 SUSPENSION 03



**EN**  
**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FD/FDH)  
**Optical system**  
Parabolic louvre PAR/PAR MAT (PLR/MLR)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension

**DE**  
**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FD/FDH)  
**Optisches System**  
Parabolischer Raster PAR/PAR MAT (PLR/MLR)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilauflängung

**FR**  
**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FD/FDH)  
**Système optique**  
Grille parabolique PAR/PAR MAT (PLR/MLR)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension

**SK**  
**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FD/FDH)  
**Optický systém**  
Parabolická mriežka PAR/PAR MAT (PLR/MLR)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: ocelový plech  
Parabolická mriežka: leštený/matný hliník  
**Povrchová úprava**  
Těleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves

**ES**  
**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FD/FDH)  
**Sistema óptico**  
Rejilla parabólica PAR/PAR MAT (PLR/MLR)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión

**IT**  
**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FD/FDH)  
**Sistema ottico**  
Griglia parabolica PAR/PAR MAT (PLR/MLR)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione

**RU**  
**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FD/FDH)  
**Оптическая система**  
Парabolическая решетка PAR/PAR MAT (PLR/MLR)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Парabolическая решетка: шлифованный/матовый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес

A classic minimalist luminaire design that brings performance to the fore.

The efficiency of louvred luminaires can be increased as much as 8 % by the addition of an aluminium top reflector above the light sources. If the reflectors are made from highly reflective Alanod MIRO® aluminium, efficiency is increased by a further 6 %. An overall 15 % increase in efficiency will have a significant impact on a lighting system's energy consumption by reducing the number of light sources needed within each luminaire, or the number of luminaires being needed within each area of application. Reflectors can be used above matt and polished louvres.



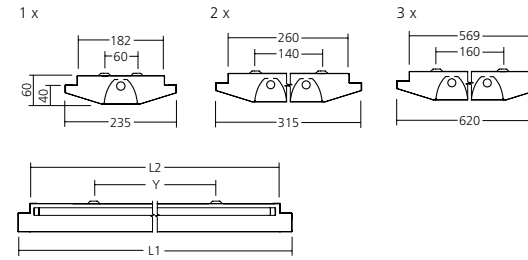
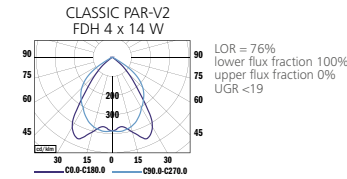


**CLASSIC**  
PAR-V2 / PAR MAT-V2  
FDH



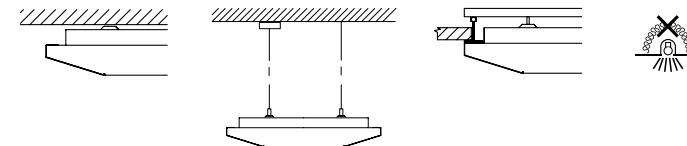
# Classic PAR-V2 / PAR MAT-V2

**PHOTOMETRY**



	L1	L2	Y
1 x / 2 x 14 / 24 W	620	569	373
1 x / 2 x 28 / 54 W	1220	1170	973
1 x / 2 x 35 / 49 / 80 W	1520	1470	1273
4 x 14 / 24 W	620	569	470

**MOUNTING**



TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	PAR-V2	PAR MAT-V2				1H	3H		
CLASSIC	•	•	1 x 14	FDH	G5	•	•	A+ / A / B	2.5
CLASSIC	•	•	1 x 24	FDH	G5	•	•	A+ / A / B	2.5
CLASSIC	•	•	1 x 28	FDH	G5	•	•	A+ / A / B	4.9
CLASSIC	•	•	1 x 35	FDH	G5	•	•	A+ / A / B	6.0
CLASSIC	•	•	1 x 49	FDH	G5	•	•	A+ / A / B	6.0
CLASSIC	•	•	1 x 54	FDH	G5	•	•	A+ / A / B / C	4.9
CLASSIC	•	•	1 x 80	FDH	G5	•	•	A+ / A / B / C	6.0
CLASSIC	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	3.1
CLASSIC	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	3.1
CLASSIC	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	6.2
CLASSIC	•	•	2 x 35	FDH	G5	•	•	A+ / A / B	7.2
CLASSIC	•	•	2 x 49	FDH	G5	•	•	A+ / A / B	7.2
CLASSIC	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	6.2
CLASSIC	•	•	2 x 80	FDH	G5	•	•	A+ / A / B / C	7.2
CLASSIC	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	5.4
CLASSIC	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	5.4

1 x 14 / 24 W



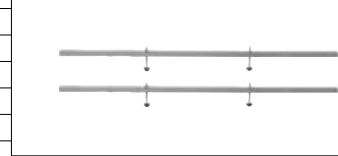
2 x 14 / 24 W



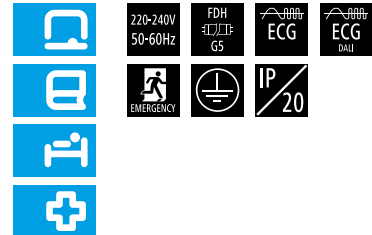
4 X 14 / 24 W



MOUNTING BRACKETS



SUS 1.35 C0/003 SUSPENSION 03



**EN**

**Mounting**  
Ceiling surfaced/suspended/recessed (SSx)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension  
Mounting brackets for T-Bar ceiling grids

**DE**

**Montage**  
Deckenleuchte/Einbauleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilabhängung  
Befestigungsklammern mit den T-Profilen ermöglicht

**FR**

**Montage**  
Plafonnier apparent/suspendu/encastrable (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension  
Supports de montage sur plafonds avec profilés en T

**SK**

**Montáž**  
Prisadené/závesné/vsadené (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Téleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
**Povrchová úprava**  
Téleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Montážne držiaky umožňujúce montáž do stropov s T-profilmi

**ES**

**Montaje**  
Sobrepuestas en el techo/suspendidas/empotradas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión  
Escuadras de montaje en los techos con perfiles T

**IT**

**Installazione**  
A plafone/a sospensione/ad incasso a soffitto (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione  
Supporti per installazione nel soffitto con profili a T

**RU**

**Установка**  
Потолочная накладная/подвесная/встроенная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный/матовый алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес  
Монтажные кронштейны, позволяющая осуществить установку на потолках с Т-Профилями

Parabolic louvres are a staple of optical systems thanks their providing high levels of visual comfort without compromise on effectiveness.

OMS PAR-V2 louvres offer unrivalled efficiency thanks to their intricate and digitally optimised design and the highly reflective Alanod MIRO® aluminium used in their construction. Each louvre is made up from many small optical surfaces aligned at various angles in order to provide an ideal light distribution that minimises glare while also maximising overall luminaire effectiveness. The enhanced lamella and side-plate shape means

that the optical system is semi-closed without compromise on the amount of light being emitted from the luminaire, which offers great visual comfort and reduces the number of luminaires needed to provide a desired light level.



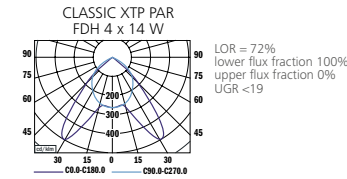
# CLASSIC XTP

PAR / PAR MAT / OPAL / PRISMA  
FDH



# Classic XTP

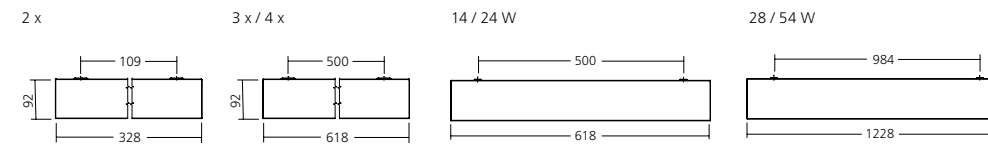
## PHOTOMETRY



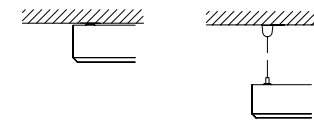
2 x 28 / 54 W



4 x 28 / 54 W



## MOUNTING



3 x 14 / 24 W



4 x 14 / 24 W



PAR



PAR MAT



OPAL



PRISMA



TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	LOUVRE		DIFFUSER					1H	3H		
	PAR	PAR MAT	OPAL	PRISMA							
CLASSIC XTP	•	•	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	8.7
CLASSIC XTP	•	•	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	8.7
CLASSIC XTP	•	•	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	8.8
CLASSIC XTP	•	•	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	8.8
CLASSIC XTP	•	•	•	•	4 x 14	FDH	G5	•	•	A+ / A / B	8.4
CLASSIC XTP	•	•	•	•	4 x 24	FDH	G5	•	•	A+ / A / B	8.4
CLASSIC XTP	•	•	•	•	4 x 28	FDH	G5	•	•	A+ / A / B	15.2
CLASSIC XTP	•	•	•	•	4 x 54	FDH	G5	•	•	A+ / A / B / C	15.2

SUS 1.35 C0/016 SUSPENSION 16



EN

**Mounting**  
Ceiling surfaced/suspended (SSx)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Opal/microprismatic diffuser (OPD/MCD)  
Polished/matt parabolic louvre (PLR/MLR)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Diffuser: Opal/prismatic polycarbonate  
Parabolic louvre: polished/matt aluminium  
Cover: transparent PC / transparent hardened glass  
Frame: elox aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Rope suspension

DE

**Montage**  
Deckenleuchte/Hängend (SSx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Opal/mikroprismatischer Diffusor (OPD/MCD)  
Polierter/matter parabolischer Raster (PLR/MLR)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Diffusor: Opal/prismatisches Polykarbonat  
Parabolischer Raster: poliertes/mattes Aluminium  
Abdeckung: transparentes PC / transparentes Hartglass  
Rahmen: Strangpress-Aluminium  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Seilauflhängung

FR

**Montage**  
Plafonnier apparent/suspendu (SSx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Diffuseur opale/microprisme (OPD/MCD)  
Grille parabolique poli/mat (PLR/MLR)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Diffusor: polycarbonate opale/prismatique  
Grille parabolique: aluminium poli/mat  
Couvercle: transparent PC / verre trempé transparent  
Cadre: aluminium elox  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Câble de suspension

SK

**Montáž**  
Prisadené/závesné (SSx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
Opálový/mikroprizmatický difúzor (OPD/MCD)  
Leštená/matná parabolická mriežka (PLR/MLR)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Téleso: oceľový plech  
Difúzor: opálový/prizmatický polykarbonát  
Parabolická mriežka: leštený/matný hliník  
Kryt: transparentný PC / transparentné tvrdené sklo  
Rám: eloxovaný hliník  
**Povrchová úprava**  
Téleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Lankový záves

ES

**Montaje**  
Sobrepuestas en el techo/suspendidas (SSx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Difusor ópalo/microprismático (OPD/MCD)  
Rejilla parabólica pulida/mate (PLR/MLR)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Difusor: ópalo/polycarbonato prismático  
Rejilla parabólica: aluminio mate/pulido  
Cubierta: transparente PC / vidrio templado transparente  
Marco: aluminio elox  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Cable de suspensión

IT

**Installazione**  
A plafone/A sospensione (SSx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
Diffusore opale/microprismatico (OPD/MCD)  
Griglia parabolica lucida/opaca (PLR/MLR)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Diffusore: polycarbonato prismatico/opale  
Griglia parabolica: alluminio lucido o opaco  
Copertura: trasparente PC / vetro temperato trasparente  
Cornice: di alluminio elox  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Cavo di sospensione

RU

**Установка**  
Потолочная накладная/Подвесная (SSx)  
**Источник света**  
Трубчатая люминесцентная лампа (FDH)  
**Оптическая система**  
Матовый/микроприз. рассеиватель (OPD/MCD)  
Шлиф./матовая параболическая решетка (PLR/MLR)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Рассеиватель: матовый/призматический поликарбонат  
Параболическая решетка: шлифованный/матовый алюминий  
Крышка: прозрачный PC / прозрачное закаленное стекло  
Каркас: протравленный алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Тросовый подвес

High-performance and efficient lighting with a focus on safety and hygiene.

Some areas of application demand much higher levels of luminaire protection than standard. For example, hospitals, laboratories, clean rooms and industrial areas. All of our XTP luminaires meet the requirements for at least IP 54 rating of the whole luminaire, including the housing. This is thanks to the use of fully welded housings and gasket sealed openings as well as high IP rated terminal blocks and fast connectors. Protective hardened glass

covers with integrated seals are used to protect the bottom of the luminaire against ingress by foreign objects, dust and water. In IP 65 rated luminaires, an additional cover is used and secured under high pressure by safety clips.





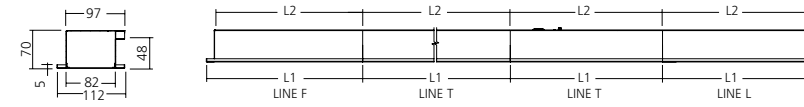
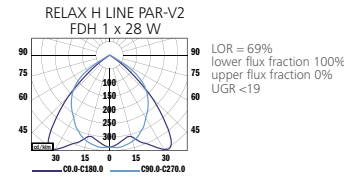
**RELAX H LINE**  
PAR-V2 / PAR MAT-V2 / DIF  
FDH

FASTRUNNER

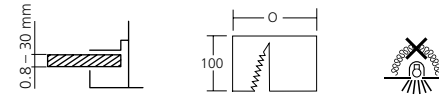


# Relax H Line

**PHOTOMETRY**



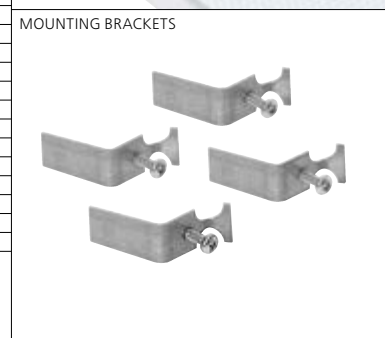
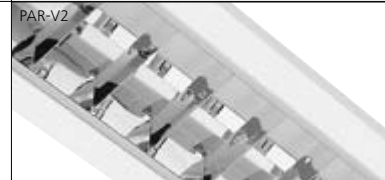
**MOUNTING**



	O
1/2 x 14 / 24 W	F / L 575
1/2 x 14 / 24 W	T 570
1/2 x 28 / 54 W	F / L 1175
1/2 x 28 / 54 W	T 1170
1/2 x 35 / 49 W	F / L 1475
1/2 x 35 / 49 W	T 1470

**TYPE**

TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERG. UNIT	DIMENSIONS			EEC	WEIGHT (kg)
	LOUVRE	DIFFUSER	MICROPRISMA						1H	3H	L1		
RELAX H LINE F / L	•	•	•	•	1 x 14	FDH	G5	•	585	570	575	A+ / A / B	1.5 / 1.4
RELAX H LINE T	•	•	•	•	1 x 14	FDH	G5	•	570	570	570	A+ / A / B	1.3
RELAX H LINE F / L	•	•	•	•	1 x 24	FDH	G5	•	585	570	575	A+ / A / B	1.5 / 1.4
RELAX H LINE T	•	•	•	•	1 x 24	FDH	G5	•	570	570	570	A+ / A / B	1.3
RELAX H LINE F / L	•	•	•	•	1 x 28	FDH	G5	•	1185	1170	1175	A+ / A / B	2.5 / 2.4
RELAX H LINE T	•	•	•	•	1 x 28	FDH	G5	•	1170	1170	1170	A+ / A / B	2.3
RELAX H LINE F / L	•	•	•	•	1 x 35	FDH	G5	•	1485	1470	1475	A+ / A / B	3.2 / 3.1
RELAX H LINE T	•	•	•	•	1 x 35	FDH	G5	•	1470	1470	1470	A+ / A / B	3.0
RELAX H LINE F / L	•	•	•	•	1 x 49	FDH	G5	•	1485	1470	1475	A+ / A / B	3.2 / 3.1
RELAX H LINE T	•	•	•	•	1 x 49	FDH	G5	•	1470	1470	1470	A+ / A / B	3.0
RELAX H LINE F / L	•	•	•	•	1 x 54	FDH	G5	•	1185	1170	1175	A+ / A / B / C	2.5 / 3.4
RELAX H LINE T	•	•	•	•	1 x 54	FDH	G5	•	1170	1170	1170	A+ / A / B / C	2.3
RELAX H LINE F / L	•	•	•	•	1 x 80	FDH	G5	•	1485	1470	1475	A+ / A / B / C	3.2 / 3.1
RELAX H LINE T	•	•	•	•	1 x 80	FDH	G5	•	1470	1470	1470	A+ / A / B / C	3.0
RELAX H LINE F / L	•	•	•	•	2 x 14	FDH	G5	•	585	570	575	A+ / A / B	1.6 / 1.5
RELAX H LINE T	•	•	•	•	2 x 14	FDH	G5	•	570	570	570	A+ / A / B	1.4
RELAX H LINE F / L	•	•	•	•	2 x 24	FDH	G5	•	585	570	575	A+ / A / B	1.6 / 1.5
RELAX H LINE T	•	•	•	•	2 x 24	FDH	G5	•	570	570	570	A+ / A / B	1.4
RELAX H LINE F / L	•	•	•	•	2 x 28	FDH	G5	•	1185	1170	1175	A+ / A / B	2.6 / 2.5
RELAX H LINE T	•	•	•	•	2 x 28	FDH	G5	•	1170	1170	1170	A+ / A / B	2.4
RELAX H LINE F / L	•	•	•	•	2 x 35	FDH	G5	•	1485	1470	1475	A+ / A / B	3.3 / 3.2
RELAX H LINE T	•	•	•	•	2 x 35	FDH	G5	•	1470	1470	1470	A+ / A / B	3.1
RELAX H LINE F / L	•	•	•	•	2 x 49	FDH	G5	•	1485	1470	1475	A+ / A / B	3.3 / 3.2
RELAX H LINE T	•	•	•	•	2 x 49	FDH	G5	•	1470	1470	1470	A+ / A / B	3.1
RELAX H LINE F / L	•	•	•	•	2 x 54	FDH	G5	•	1185	1170	1175	A+ / A / B / C	2.6 / 3.5
RELAX H LINE T	•	•	•	•	2 x 54	FDH	G5	•	1170	1170	1170	A+ / A / B / C	2.4



**EN**  
**Mounting**  
Ceiling recessed-determined for continuous installation  
Plasterboard ceiling (PBx)  
**Light source**  
Linear fluorescent lamp (FDH)  
**Optical system**  
Opal/prismatic diffuser (OPD/PRD)  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Diffuser: opal/prismatic polycarbonate  
**Surface finish**  
Housing: white RAL 9003 (W03)  
**Accessories**  
Mounting brackets  
Safety wire

**DE**  
**Montage**  
Einbauleuchte mit Erweiterungsmöglichkeit  
Rigips Decke (PBx)  
**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)  
**Optisches System**  
Opal/prismatisches Diffusor (OPD/PRD)  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Diffusor: opal/prismatisches Polycarbonat  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
**Zubehör**  
Befestigungsklammern  
Sicherungsseil

**FR**  
**Montage**  
Plafonnier encastrable-conçu pour une installation continue  
Un plafond en plâtre (PBx)  
**Source lumineuse**  
Lampe fluorescente linéaire (FDH)  
**Système optique**  
Diffuseur opale/prismatique (OPD/PRD)  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante à l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Diffuseur: polycarbonate opale/prismatique  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
**Accessoires**  
Supports de montage  
Fil de sécurité

**SK**  
**Montáž**  
Všadené-predčená na montáž do línií  
Sádkrotonový strop (PBx)  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)  
**Optický systém**  
opálový/prizmatický difúzor (OPD/PRD)  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Téleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Difúzor: opalový/prizmatický polykarbonát  
**Povrchová úprava**  
Téleso: biela RAL 9003 (W03)  
**Príslušenstvo**  
Montážne držiaky  
Poistné lanko

**ES**  
**Montaje**  
Empotradas en el techo-especifico para instalaciones continuas  
Techo de escayola (PBx)  
**Fuente luminica**  
Lámpara fluorescente lineal (FDH)  
**Sistema óptico**  
Difusor opalescente/prismático (OPD/PRD)  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Difusor: ópalo/polycarbonato prismático  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
**Accesorios**  
Escuadras de montaje  
Cable de seguridad

**IT**  
**Installazione**  
A incasso-per installazioni in linea  
Struttura cartongesso (PBx)  
**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)  
**Sistema ottico**  
diffusore opale/prismatico (OPD/PRD)  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Diffusore: policarbonato prismatico/opale  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
**Accessori**  
Supporti per installazione  
Cavo di sicurezza

**RU**  
**Установка**  
Потолочная встроенная-рассчитанная на долговременную установку  
Гипсокартонный потолок (PBx)  
**Источник света**  
Трубчатая люминесцентная лампа FD/(FDH)  
**Оптическая система**  
Матовый/микропризматический Рассеиватель (OPD/PRD)  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлифованный/матовый алюминий  
Рассеиватель: матовый/призматический поликарбонат  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
**Аксессуары**  
Монтажные кронштейны  
Контрольная проволока

A classic and effective alternative for general illumination purposes.

General illumination doesn't always need to be provided by luminaires with larger or more uniform dimensions. The use of linear luminaires is an excellent way to ensure proper illumination of areas ranging from stores and work areas to offices and corridors. All OMS linear luminaires that employ a louvre optical system use high quality Alanod MIRO® aluminium to bring the greatest visual comfort and luminaire effectiveness. Alternatively, many linear luminaires can be equipped with a decorative clear or opal prismatic diffuser that modifies the light distribution to reduce glare and add a level of protection for the luminaire against ingress by foreign bodies.



## LAMBDA II LINE

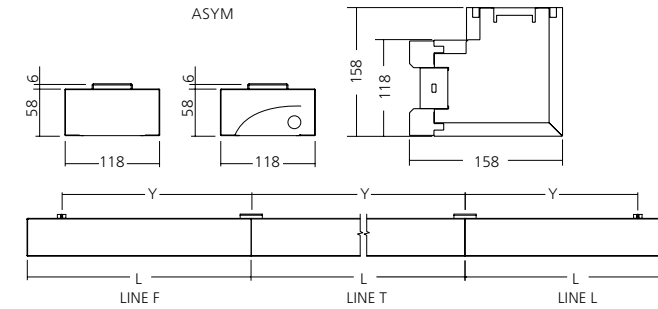
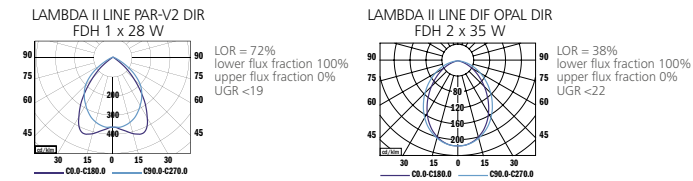
PAR-V2 / PAR MAT-V2 / ASYM / DIF  
FDH

FASTRUNNER

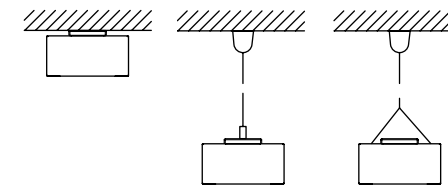


# Lambda II Line

### PHOTOMETRY



### MOUNTING



TYPE	OPTICAL SYSTEM			POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMER. UNIT	DIMENSIONS			EEC	WEIGHT (kg)
	LOUVRE	DIFFUSER	REFLECTOR					1H	3H	L		
LAMBDA II LINE F / L	•	•	•	1 x 28	FDH	G5	•	1187	1134	A+ / A / B	3.3 / 3.0	
LAMBDA II LINE T	•	•	•	1 x 28	FDH	G5	•	1168	1168	A+ / A / B	3.1	
LAMBDA II LINE F / L	•	•	•	1 x 35	FDH	G5	•	1487	1468	A+ / A / B / C	4.0 / 3.6	
LAMBDA II LINE T	•	•	•	1 x 35	FDH	G5	•	1468	1468	A+ / A / B	3.9	
LAMBDA II LINE F / L	•	•	•	1 x 49	FDH	G5	•	1487	1468	A+ / A / B / C	4.0 / 3.6	
LAMBDA II LINE T	•	•	•	1 x 49	FDH	G5	•	1468	1468	A+ / A / B	3.9	
LAMBDA II LINE F / L	•	•	•	1 x 54	FDH	G5	•	1187	1134	A+ / A / B / C	3.3 / 3.0	
LAMBDA II LINE T	•	•	•	1 x 54	FDH	G5	•	1168	1168	A+ / A / B / C	3.1	
LAMBDA II LINE F / L	•	•	•	1 x 80	FDH	G5	•	1487	1468	A+ / A / B / C	4.0 / 3.6	
LAMBDA II LINE T	•	•	•	1 x 80	FDH	G5	•	1468	1468	A+ / A / B / C	3.9	
LAMBDA II LINE F / L	•	•	•	2 x 28	FDH	G5	•	1187	1134	A+ / A / B	3.6 / 3.2	
LAMBDA II LINE T	•	•	•	2 x 28	FDH	G5	•	1168	1168	A+ / A / B	3.3	
LAMBDA II LINE F / L	•	•	•	2 x 35	FDH	G5	•	1487	1468	A+ / A / B	4.4 / 4.0	
LAMBDA II LINE T	•	•	•	2 x 35	FDH	G5	•	1468	1468	A+ / A / B	4.3	
LAMBDA II LINE F / L	•	•	•	2 x 49	FDH	G5	•	1487	1468	A+ / A / B	4.4 / 4.0	
LAMBDA II LINE T	•	•	•	2 x 49	FDH	G5	•	1468	1468	A+ / A / B	4.3	
LAMBDA II LINE F / L	•	•	•	2 x 54	FDH	G5	•	1187	1134	A+ / A / B / C	3.6 / 3.2	
LAMBDA II LINE T	•	•	•	2 x 54	FDH	G5	•	1168	1168	A+ / A / B / C	3.3	
LAMBDA II LINE F / L	•	•	•	2 x 80	FDH	G5	•	1487	1468	A+ / A / B / C	4.4 / 4.0	
LAMBDA II LINE T	•	•	•	2 x 80	FDH	G5	•	1468	1468	A+ / A / B / C	4.3	



### EN

**Mounting**  
Suspended or ceiling surfaced - determined for continuous installation (MDS)

**Light source**  
Linear fluorescent lamp (FDH)

**Optical system**  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Polished/matt parabolic louvre  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
Asymmetric polished reflector (ASP)  
Opal/micropismatic diffuser (OPD/MCD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Through wiring (F, T version)  
Emergency unit variant (1H/3H)

**Material**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Reflector: polished anodised aluminium  
Diffuser: opal/micropismatic polycarbonate

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
Rope suspension  
Corner connection (PL2/ML2)

### DE

**Montage**  
Hänge- oder Deckenleuchte - mit Erweiterungsmöglichkeit (MDS)

**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)

**Optisches System**  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Polierter/matter parabolischer Raster  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
Asymmetrischer polierter Reflektor (ASP)  
Opaler/mikropismatischer Diffusor (OPD/MCD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Laufende Verkabelung (F, T Version)  
Notbeleuchtung Variante (1H/3H)

**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Reflektor: polierte eloxiertes Aluminium  
Diffusor: opal/mikropismatisches Polycarbonat

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Seilabhängung  
Übereckverbindung (PL2/ML2)

### FR

**Montage**  
Plafonnier suspendu ou apparent - conçu pour une installation continue (MDS)

**Source lumineuse**  
Lampe fluorescente linéaire (FDH)

**Système optique**  
Grille parabolique poli/mat  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Grille parabolique poli/mat  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
Réflecteur asymétrique poli (ASP)  
Diffuseur opale/micropismatique (OPD/MCD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Câblage transversant (version F, T)  
Variante de l'unité de secours (1H/3H)

**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Réflecteur: aluminium anodisé poli  
Diffusor: polycarbonate opale/micropismatique

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Câble de suspension  
Connexion d'angle (PL2/ML2)

### SK

**Montáž**  
Závesné alebo prisadené - predurčené na montáž do línie (MDS)

**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)

**Optický systém**  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Leštená/matná parabolická mriežka  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
Asymetrický leštený reflektor (ASP)  
Opalový/mikropriзмatický difúzor (OPD/MCD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Priebežné vnútie (F, T verzia)  
Varianta s núdzovou jednotkou (1H/3H)

**Material**  
Teleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Reflektor: leštený anodizovaný hliník  
Difúzor: opalový/mikropriзмatický polykarbonát

**Povrchová úprava**  
Corpus: šedá RAL 9006 (G06)

**Príslušenstvo**  
Lankový záves  
Rohová spojka (PL2/ML2)

### ES

**Montaje**  
Suspendido o sobrepuesto - específico para instalaciones continuas (MDS)

**Fuente luminica**  
Lámpara fluorescente lineal (FDH)

**Sistema óptico**  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Rejilla parabólica pulida/mate  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
Reflector pulido asimétrico (ASP)  
Difusor ópalo/micropriзмático (OPD/MCD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
A través de devanado (versión F, T)  
Variante unidad de emergencia (1H/3H)

**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Reflector: aluminio anodizado pulido  
Difusor: ópalo/polycarbonato micropriзмático

**Tratamiento de la superficie**  
Cuerpo: gris RAL 9006 (G06)

**Accesorios**  
Cable de suspensión  
Conexión de esquinas (PL2/ML2)

### IT

**Installazione**  
Apparecchi illuminanti a sospensione o a parete - per installazioni in linea (MDS)

**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)

**Sistema ottico**  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Griglia parabolica lucida/opaca  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
Riflettore asimmetrico lucido (ASP)  
Diffusore opale/micropriзмatico (OPD/MCD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Cavi passanti (versioni F, T)  
Variante unità di emergenza (1H/3H)

**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Riflettore: alluminio anodizzato lucido  
Diffusore: policarbonato micropriзмatico/opale

**Finitura**  
Corpus: grigio RAL 9006 (G06)

**Accessori**  
Cavo di sospensione  
Connettere angolare (PL2/ML2)

### RU

**Установка**  
Подвесная или потолочная накладная - рассчитанная на долговременную установку (MDS)

**Источник света**  
Трубчатая люминесцентная лампа (FDH)

**Оптическая система**  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Шлифованная/матовая параболическая решетка  
PAR-V2 TWIN/PAR MAT-V2 TWIN (PW2/MW2)  
Асимметричного полированного отражателя (ASP)  
Матовый/микрпризматический рассеиватель (OPD/MCD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Сквозная проводка (варианты F, T)  
Блок аварийного освещения (1H/3H)

**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлиф./матовый алюминий  
Отражатель: шлифованный анодированный алюминий  
Рассеиватель: матовый/микрпризм. поликарбонат

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Тросовый подвес  
Угловое соединение (PL2/ML2)

Highly-flexible with a minimalist and stylish design that suits any space.

By having luminaires with a wide range of optical systems, it is possible to maintain a unified aesthetic while always using the best optics for each space. Available with highly effective polished or matt Alanod MIRO® aluminium PAR-V2 louvres combined with aluminium top reflectors, the louvre optical system brings great visual comfort and excellent performance. As an alternative, there is the option of a clear or opal micropismatic diffuser, which is ideal for softening

the light and protecting the luminaire against ingress by foreign objects when installed at low heights. And for vertical surfaces, choose the asymmetric reflector optical system to provide optimised light distribution for the illumination of walls, wall-mounted object, blackboards, whiteboards and shelves. Suspended versions can also be equipped with an aluminium top reflector to direct some of the light onto the ceiling to create a more open and airy atmosphere.





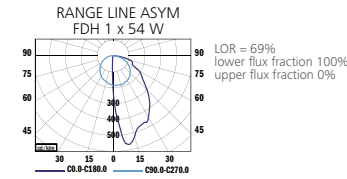
## RANGE LINE RECESSED

PAR-V2 / PAR MAT-V2 / DIF / ASYM  
FDH

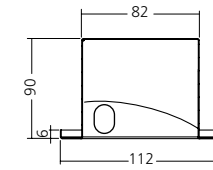


# Range Line Recessed

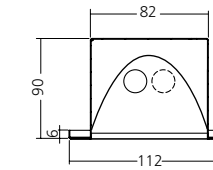
### PHOTOMETRY



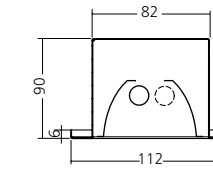
### ASYM



### DIF

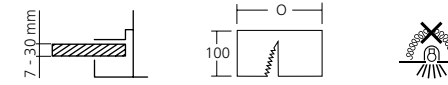


### PAR-V2 / PAR MAT-V2



	L1	L2
1 x 54 W SEAMLESS	F / L 1229	1214
1 x 54 W SEAMLESS	T	1182
1 x 28 / 54 W	F / L 1147	1132
1 x 28 / 54 W	T	1100
1 x 35 / 49 W	F / L 1447	1432
1 x 35 / 49 W	T	1402

### MOUNTING



	O
1 x 54 W SEAMLESS	F / L 1220
1 x 54 W SEAMLESS	T 1182
1 x 28 / 54 W	F / L 1140
1 x 28 / 54 W	T 1100
1 x 35 / 49 W	F / L 1440
1 x 35 / 49 W	T 1402

### TYPE

	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERG. UNIT	EEC	WEIGHT (kg)
	LOUVRE	DIFFUSER	REFLECTOR							
	PAR-V2	PAR MAT-V2	OPAL	MICROPRISMA	ASYM			1H	3H	
RANGE LINE F/T/L RCS	-	-	-	-	1 x 54	FDH SEAMLESS	G5	• •	A+ / A / B / C	3.0 / 2.6 / 3.0
RANGE LINE F/T/L RCS	•	•	-	-	1 x 28	FDH	G5	• •	A+ / A / B	3.0 / 2.6 / 3.0
RANGE LINE F/T/L RCS	•	•	-	-	1 x 35	FDH	G5	• •	A+ / A / B	3.8 / 3.2 / 3.8
RANGE LINE F/T/L RCS	•	•	-	-	1 x 49	FDH	G5	• •	A+ / A / B	3.8 / 3.2 / 3.8
RANGE LINE F/T/L RCS	-	-	•	•	1 x 54	FDH	G5	- -	A+ / A / B / C	3.0 / 2.6 / 3.0
RANGE LINE F/T/L RCS	-	-	•	•	1 x 28	FDH	G5	- -	A+ / A / B	3.0 / 2.6 / 3.0
RANGE LINE F/T/L RCS	-	-	•	•	1 x 35	FDH	G5	- -	A+ / A / B	3.8 / 3.2 / 3.8
RANGE LINE F/T/L RCS	-	-	•	•	1 x 49	FDH	G5	- -	A+ / A / B	3.8 / 3.2 / 3.8
RANGE LINE F/T/L RCS	-	-	•	•	1 x 54	FDH	G5	- -	A+ / A / B / C	3.0 / 2.6 / 3.0

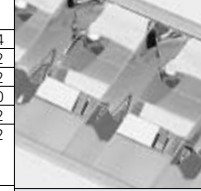
### ASYM



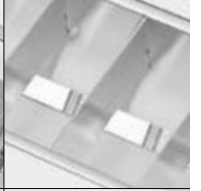
### OVERLAPPING SYSTEM



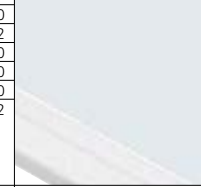
### PAR-V2



### PAR MAT-V2



### DIF OPAL



### DIF MICROPRISMA



### MOUNTING BRACKETS



### MOUNTING BRACKETS FOR ASYM.



### EN

**Mounting**  
Ceiling recessed-determined for continuous installation (RCD)  
PBx - Plasterboard ceiling

**Light source**  
Linear fluorescent lamp (FDH)

**Optical system**  
Polished/matt parabolic louvre PAR-V2/PAR MAT-V2 (PL2/ML2)  
Opal/microprismatic reflector (ASP)  
Opal/microprismatic diffuser (OPD/MCD)

**Wiring**  
Electronic control gear FIX/EDS/DALI (ECG/EDS/EDA)  
Through wiring (F, T version)  
Emergency unit variant (1H/3H)

**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Reflector: polished anodised aluminium  
Diffuser: opal/microprismatic polycarbonate

**Surface finish**  
Housing: white RAL 9003 (W03)

**Accessories**  
Rope suspension

### DE

**Montage**  
Einbauleuchte-mit Erweiterungsmöglichkeit (RCD)  
PBx - Rigips Decke

**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)

**Optisches System**  
Polierter/matter parabolischer Raster PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymmetrischer polierter Reflektor (ASP)  
Opal/mikroprismatischer Diffusor (OPD/MCD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/EDS/DALI (ECG/EDS/EDA)  
Laufende Verkabelung (F, T Version)  
Notbeleuchtung Variante (1H/3H)

**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Reflektor: polierte eloxiertes Aluminium  
Diffusor: opal/mikroprismatisches Polycarbonat

**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)

**Zubehör**  
Seilauflhängung

### FR

**Montage**  
Plafonnier encastrable-conçu pour une installation continue (RCD)  
PBx - Un plafond en plâtre

**Source lumineuse**  
Lampe fluorescente linéaire (FDH)

**Système optique**  
Grille parabolique poli/mat PAR-V2/PAR MAT-V2 (PL2/ML2)  
Réflecteur asymétrique poli (ASP)  
Diffuseur opale/microprismatique (OPD/MCD)

**Équipement électrique**  
Ballast électronique FIX/EDS/DALI (ECG/EDS/EDA)  
Câblage traversant (version F, T)  
Variante de l'unité de secours (1H/3H)

**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/mat  
Réflecteur: aluminium anodisé poli  
Diffusor: polycarbonate opale/microprismatique

**Finition de surface**  
Corps: blanc RAL 9003 (W03)

**Accessoires**  
Câble de suspension

### SK

**Montáž**  
Všadené-predurčená na montáž do línií (RCD)  
PBx - Sádkartonový strop

**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)

**Optický systém**  
Leštená/matná parabolická mriežka PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymetrický leštený reflektor (ASP)  
opálový/mikroprizmatický difúzor (OPD/MCD)

**Elektrická výbava**  
Elektronický predradník FIX/EDS/DALI (ECG/EDS/EDA)  
Priebežné vnútne (F, T verzia)  
Varianta s núdzovou jednotkou (1H/3H)

**Material**  
Teleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Reflektor: leštený anodizovaný hliník  
Difúzor: opalový/mikroprizmatický polykarbonát

**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)

**Príslušenstvo**  
Lankový záves

### ES

**Montaje**  
Empotradas en el techo-especifico para instalaciones continuas (RCD)  
PBx - Techo de escayola

**Fuente luminica**  
Lámpara fluorescente lineal (FDH)

**Sistema óptico**  
Rejilla par. pulida/mate PAR-V2/PAR MAT-V2 (PL2/ML2)  
Reflector pulido asimétrico (ASP)  
Difusor opalescente/microprismático (OPD/MCD)

**Cableado**  
Equipo de control electrónico FIX/EDS/DALI (ECG/EDS/EDA)  
A través de devanado (versión F, T)  
Variante unidad de emergencia (1H/3H)

**Material**  
Cuerpo: lámina de acero  
Rejilla parabolica: aluminio mate/pulido  
Reflector: aluminio anodizado pulido  
Difusor: ópalo/polycarbonato microprismático

**Tratamiento de la superficie**  
Cuerpo: biela RAL 9003 (W03)

**Accesorios**  
Cable de suspensión

### IT

**Installazione**  
A incasso-per installazioni in linea (RCD)  
PBx - Struttura cartongesso

**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)

**Sistema ottico**  
Griglia parabolica lucida/opaca PAR-V2/PAR MAT-V2 (PL2/ML2)  
Riflettore asimmetrico lucido (ASP)  
diffusore opale/microprismatico (OPD/MCD)

**Cablaggio**  
Ballast elettronico FIX/EDS/DALI (ECG/EDS/EDA)  
Cavi passanti (versioni F, T)  
Variante unità di emergenza (1H/3H)

**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Riflettore: alluminio anodizzato lucido  
Diffusore: policarbonato microprismatico/opale

**Finitura**  
Corpo: bianco RAL 9003 (W03)

**Accessori**  
Cavo di sospensione

### RU

**Установка**  
Потолочная встроенная-рассчитанная на долговременную установку (RCD)  
PBx - Гипсокартонный потолок

**Источник света**  
Трубчатая люминесцентная лампа (FDH)

**Оптическая система**  
Шлифованная/матовая параболическая решетка PAR-V2/PAR MAT-V2 (PL2/ML2)  
Асимметричного полированного отражателя (ASP)  
матовый/микроризматический Рассеиватель (OPD/MCD)

**Электрическое оснащение**  
Электронный аппарат FIX/EDS/DALI (ECG/EDS/EDA)  
Сквозная проводка (варианты F, T)  
Блок аварийного освещения (1H/3H)

**Material**  
Корпус: листовая сталь  
Параболическая решетка: шлиф./матовый алюминий  
Отражатель: шлифованный анодированный алюминий  
Рассеиватель: матовый/микрориз. поликарбонат

**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)

**Аксессуары**  
Тросовый подвес

Highly-flexible with a minimalist and stylish design that suits any space.

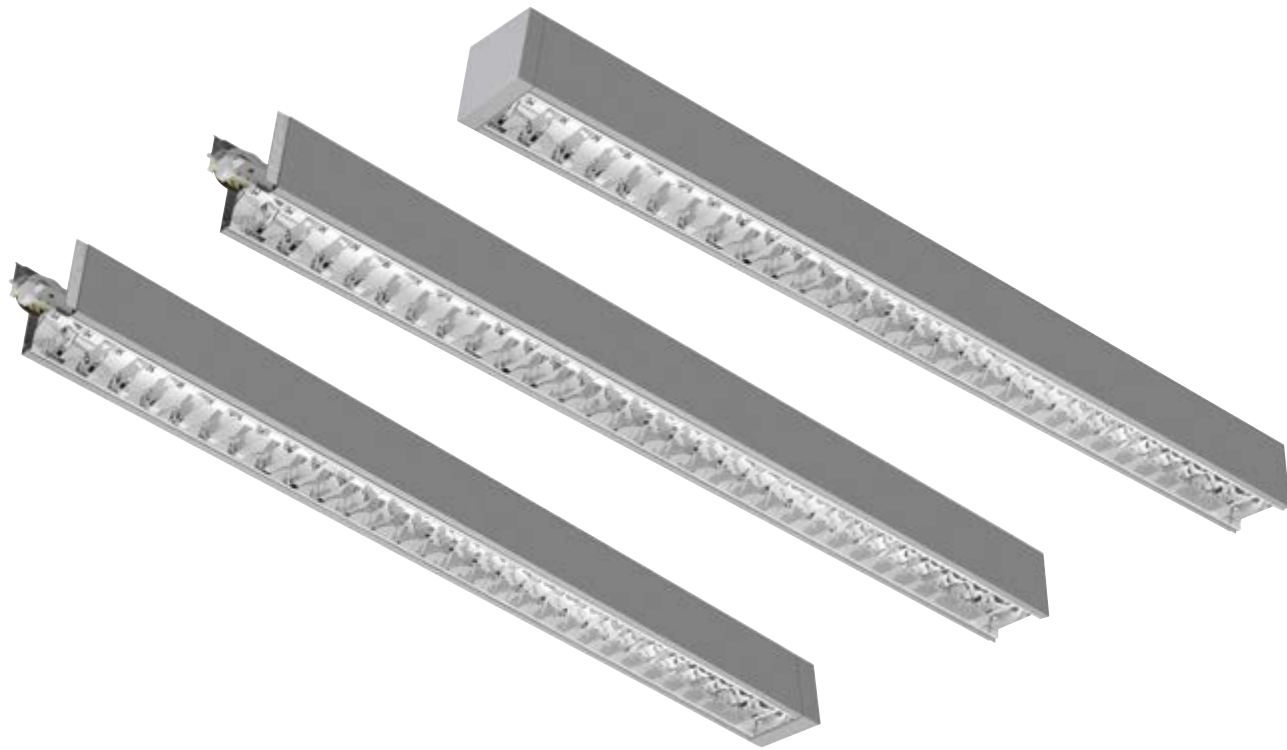
By having luminaires with a wide range of optical systems, it is possible to maintain a unified aesthetic while always using the best optics for each space. Available with highly effective polished or matt Alanod MIRO® aluminium PAR-V2 louvres combined with aluminium top reflectors, the louvre optical system brings great visual comfort and excellent performance. As an alternative, there is the option of a clear or opal microprismatic diffuser, which is ideal for softening

the light and protecting the luminaire against ingress by foreign objects when installed at low heights. And for vertical surfaces, choose the asymmetric reflector optical system to provide optimised light distribution for the illumination of walls, wall-mounted object, blackboards, whiteboards and shelves. Suspended versions can also be equipped with an aluminium top reflector to direct some of the light onto the ceiling to create a more open and airy atmosphere.



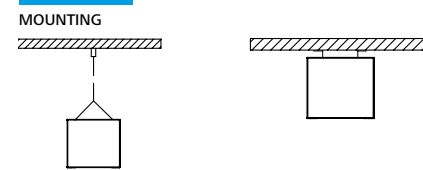
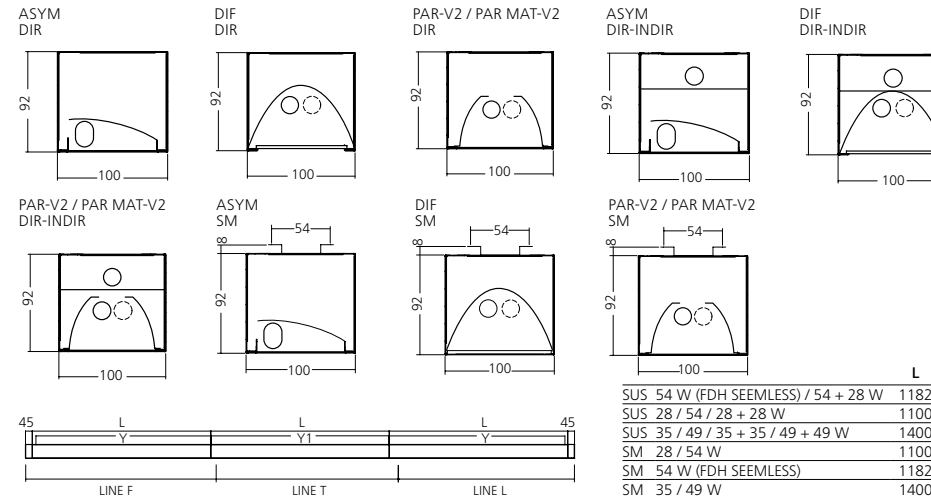
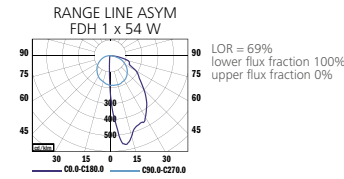
## RANGE LINE SUSPENDED / SURFACED

ASYM / DIF / PAR-V2 / PAR MAT-V2  
FDH

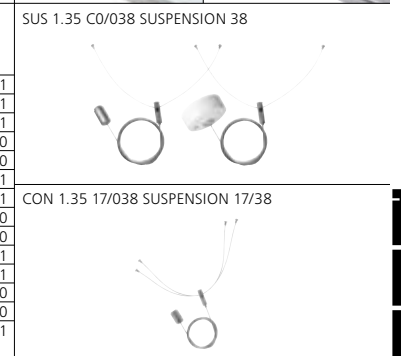
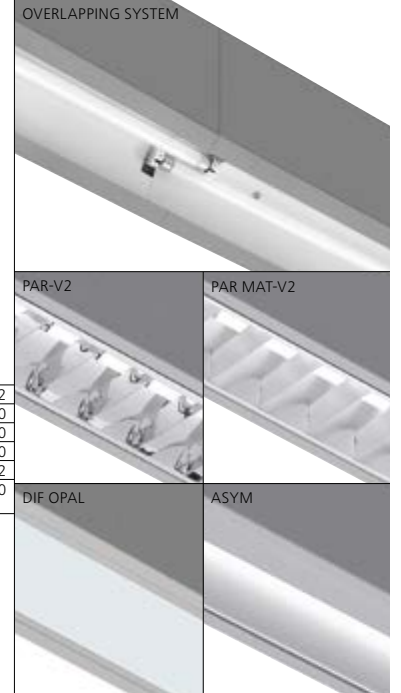


# Range Line Suspended / Surfaced

### PHOTOMETRY



TYPE	OPTICAL SYSTEM				POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERG. UNIT	EEC	WEIGHT (kg)
	LOUVRE	DIFFUSER	REFLECTOR							
RANGE LINE F/T/L SUS	-	-	-	-	1 x 54	FDH SEAMLESS	G5	-	A+ / A / B / C	3.5 / 3.3 / 3.1
RANGE LINE F/T/L SUS	-	-	-	-	1x54+1x28	FDH SEAMLESS+FDH	G5	-	A+ / A / B / C	3.5 / 3.3 / 3.1
RANGE LINE F/T/L SUS	-	-	-	-	1 x 28	FDH	G5	-	A+ / A / B	3.5 / 3.3 / 3.1
RANGE LINE F/T/L SUS	-	-	-	-	1 x 35	FDH	G5	-	A+ / A / B	4.6 / 4.2 / 4.0
RANGE LINE F/T/L SUS	-	-	-	-	1 x 49	FDH	G5	-	A+ / A / B	4.6 / 4.2 / 4.0
RANGE LINE F/T/L SUS	-	-	-	-	1 x 54	FDH	G5	-	A+ / A / B / C	3.5 / 3.3 / 3.1
RANGE LINE F/T/L SUS	-	-	-	-	1x28+1x28	FDH	G5	-	A+ / A / B / C	3.5 / 3.3 / 3.1
RANGE LINE F/T/L SUS	-	-	-	-	1x35+1x35	FDH	G5	-	A+ / A / B	4.6 / 4.2 / 4.0
RANGE LINE F/T/L SUS	-	-	-	-	1x49+1x49	FDH	G5	-	A+ / A / B	4.6 / 4.2 / 4.0
RANGE LINE F/T/L SFD	-	-	-	-	1 x 54	FDH SEAMLESS	G5	-	A+ / A / B / C	3.5 / 3.3 / 3.1
RANGE LINE F/T/L SFD	-	-	-	-	1 x 28	FDH	G5	-	A+ / A / B	3.5 / 3.3 / 3.1
RANGE LINE F/T/L SFD	-	-	-	-	1 x 35	FDH	G5	-	A+ / A / B	4.6 / 4.2 / 4.0
RANGE LINE F/T/L SFD	-	-	-	-	1 x 49	FDH	G5	-	A+ / A / B	4.6 / 4.2 / 4.0
RANGE LINE F/T/L SFD	-	-	-	-	1 x 54	FDH	G5	-	A+ / A / B / C	3.5 / 3.3 / 3.1



### EN

**Mounting**  
Suspended or ceiling surfaced - determined for continuous installation (SFD/SSD)

**Light source**  
Linear fluorescent lamp (FDH)

**Optical system**  
Polished/matt parabolic louvre  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymmetric polished reflector (ASP)  
Opal/microprismatic diffuser (OPD/MCD)

**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Through wiring (F, T version)  
Emergency unit variant (1H/3H)

**Materials**  
Housing: sheet steel  
Parabolic louvre: polished/matt aluminium  
Reflector: polished anodised aluminium  
Diffuser: opal/microprismatic polycarbonate

**Surface finish**  
Housing: grey RAL 9006 (G06)

**Accessories**  
Rope suspension

### DE

**Montage**  
Hänge- oder Deckenleuchte - mit Erweiterungsmöglichkeit (SFD/SSD)

**Lichtquelle**  
Lineare Leuchtstofflampe (FDH)

**Optisches System**  
Polierter/matter parabolischer Raster  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymmetrischer polierter Reflektor (ASP)  
Opal/mikroprismatisches Diffusor (OPD/MCD)

**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Laufende Verkabelung (F, T Version)  
Notbeleuchtung Variante (1H/3H)

**Material**  
Körper: Stahlblech  
Parabolischer Raster: poliertes/mattes Aluminium  
Reflektor: polierte eloxiertes Aluminium  
Diffusor: opal/mikroprismatisches Polycarbonat

**Oberflächenveredelung**  
Körper: grau RAL 9006 (G06)

**Zubehör**  
Seilauflhängung

### FR

**Montage**  
Plafonnier suspendu ou apparent - conçu pour une installation continue (SFD/SSD)

**Source lumineuse**  
Lampe fluorescente linéaire (FDH)

**Système optique**  
Grille parabolique poli/matt  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Réflecteur asymétrique poli (ASP)  
Diffuseur opale/microprismatique (OPD/MCD)

**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Câblage traversant (version F, T)  
Variante de l'unité de secours (1H/3H)

**Matériels**  
Corps: tôle d'acier  
Grille parabolique: aluminium poli/matt  
Réflecteur: aluminium anodisé poli  
Diffusor: opalopolycarbonate microprismatique

**Finition de surface**  
Corps: gris RAL 9006 (G06)

**Accessoires**  
Câble de suspension

### SK

**Montáž**  
Závěsné alebo prísadené - predurčené na montáž do línií (SFD/SSD)

**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FDH)

**Optický systém**  
Leštená/matná parabolická mriežka  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Asymetrický leštený reflektor (ASP)  
Opálový/mikroprizmatický difúzor (OPD/MCD)

**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Prieběžné vlnutie (F, T verzia)  
Varianta s núdzovou jednotkou (1H/3H)

**Material**  
Teleso: oceľový plech  
Parabolická mriežka: leštený/matný hliník  
Reflektor: leštený anodizovaný hliník  
Difúzor: opalopolycarbonat mikroprizmatický

**Povrchová úprava**  
Corpus: sedá RAL 9006 (G06)

**Príslušenstvo**  
Lankový záves

### ES

**Montaje**  
Závesado o sobrepuesto - específico para instalaciones continuas (SFD/SSD)

**Fuente luminica**  
Lámpara fluorescente lineal (FDH)

**Sistema óptico**  
Rejilla parabólica pulida/mate  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Reflector pulido asimétrica (ASP)  
Difusor opalescente/microprismático (OPD/MCD)

**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
A través de devanado (versión F, T)  
Variante unidad de emergencia (1H/3H)

**Material**  
Cuerpo: lámina de acero  
Rejilla parabólica: aluminio mate/pulido  
Reflector: aluminio anodizado pulido  
Difusor: opalo/polycarbonato microprismático

**Tratamiento de la superficie**  
Corpo: gris RAL 9006 (G06)

**Accesorios**  
Cable de suspensión

### IT

**Installazione**  
Apparecchi illuminanti a sospensione o a plafone - per installazioni in linea (SFD/SSD)

**Sorgente luminosa**  
Lampada fluorescente lineare (FDH)

**Sistema ottico**  
Griglia parabolica lucida/opaca  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Riflettore asimmetrico lucido (ASP)  
diffusore opale/microprismatico (OPD/MCD)

**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Cavi passanti (versioni F, T)  
Variante unità di emergenza (1H/3H)

**Materiali**  
Corpo: lamina d'acciaio  
Griglia parabolica: alluminio lucido o opaco  
Riflettore: alluminio anodizzato lucido  
Diffusore: policarbonato microprismatico/opale

**Finitura**  
Corpo: grigio RAL 9006 (G06)

**Accessori**  
Cavo di sospensione

### RU

**Установка**  
Подвесная или потолочная накладная - рассчитанная на долговременную установку (SFD/SSD)

**Источник света**  
Трубчатая люминесцентная лампа (FDH)

**Оптическая система**  
Шлифованная/матовая параболическая решетка  
PAR-V2/PAR MAT-V2 (PL2/ML2)  
Асимметричного полированный отражателя (ASP)  
матовый/микроризматический Рассеиватель (OPD/MCD)

**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Сквозная проводка (варианты F, T)  
Блок аварийного освещения (1H/3H)

**Материал**  
Корпус: листовая сталь  
Параболическая решетка: шлиф./матовый алюминий  
Отражатель: шлифованный анодированный алюминий  
Рассеиватель: матовый/микроризм. поликарбонат

**Отделка поверхности**  
Корпус: серый RAL 9006 (G06)

**Аксессуары**  
Тросовый подвес

Highly-flexible with a minimalist and stylish design that suits any space.

By having luminaires with a wide range of optical systems, it is possible to maintain a unified aesthetic while always using the best optics for each space. Available with highly effective polished or matt Alanod MIRO® aluminium PAR-V2 louvres combined with aluminium top reflectors, the louvre optical system brings great visual comfort and excellent performance. As an alternative, there is the option of a clear or opal microprismatic diffuser, which is ideal for softening

the light and protecting the luminaire against ingress by foreign objects when installed at low heights. And for vertical surfaces, choose the asymmetric reflector optical system to provide optimised light distribution for the illumination of walls, wall-mounted object, blackboards, whiteboards and shelves. Suspended versions can also be equipped with an aluminium top reflector to direct some of the light onto the ceiling to create a more open and airy atmosphere.



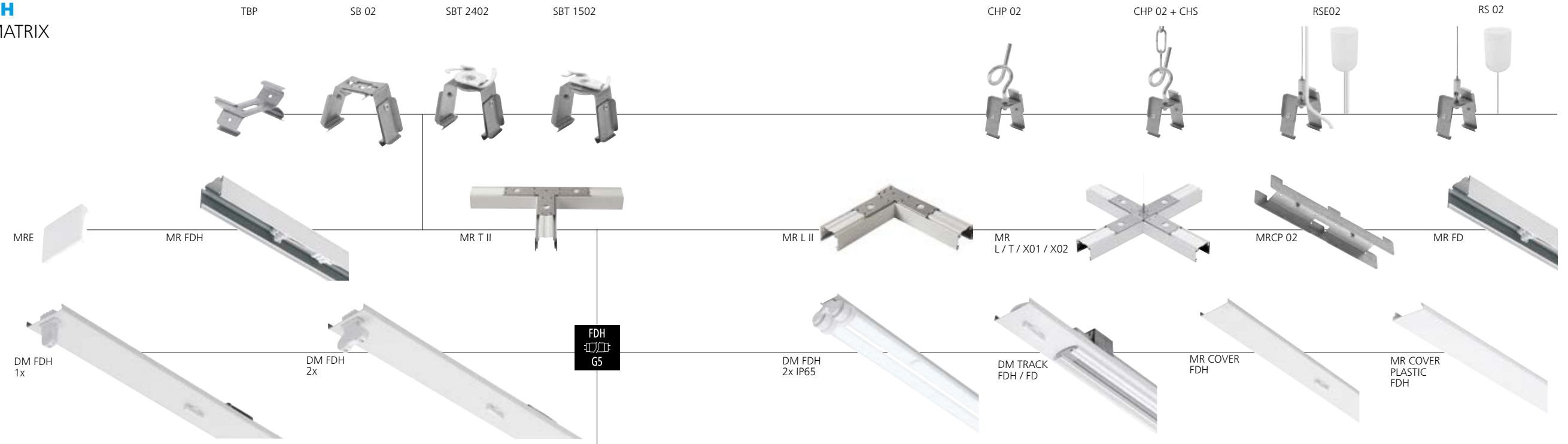




Prestige

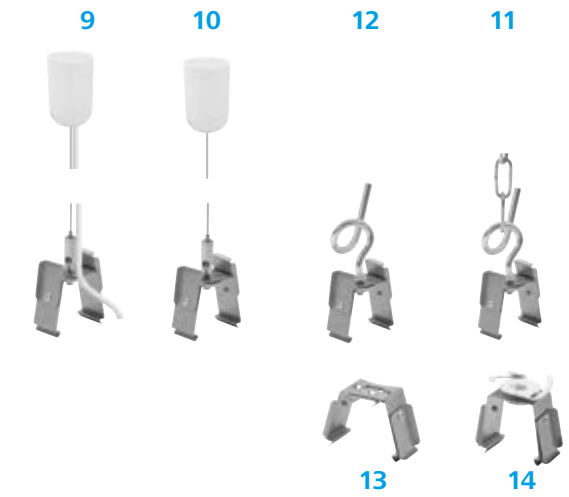
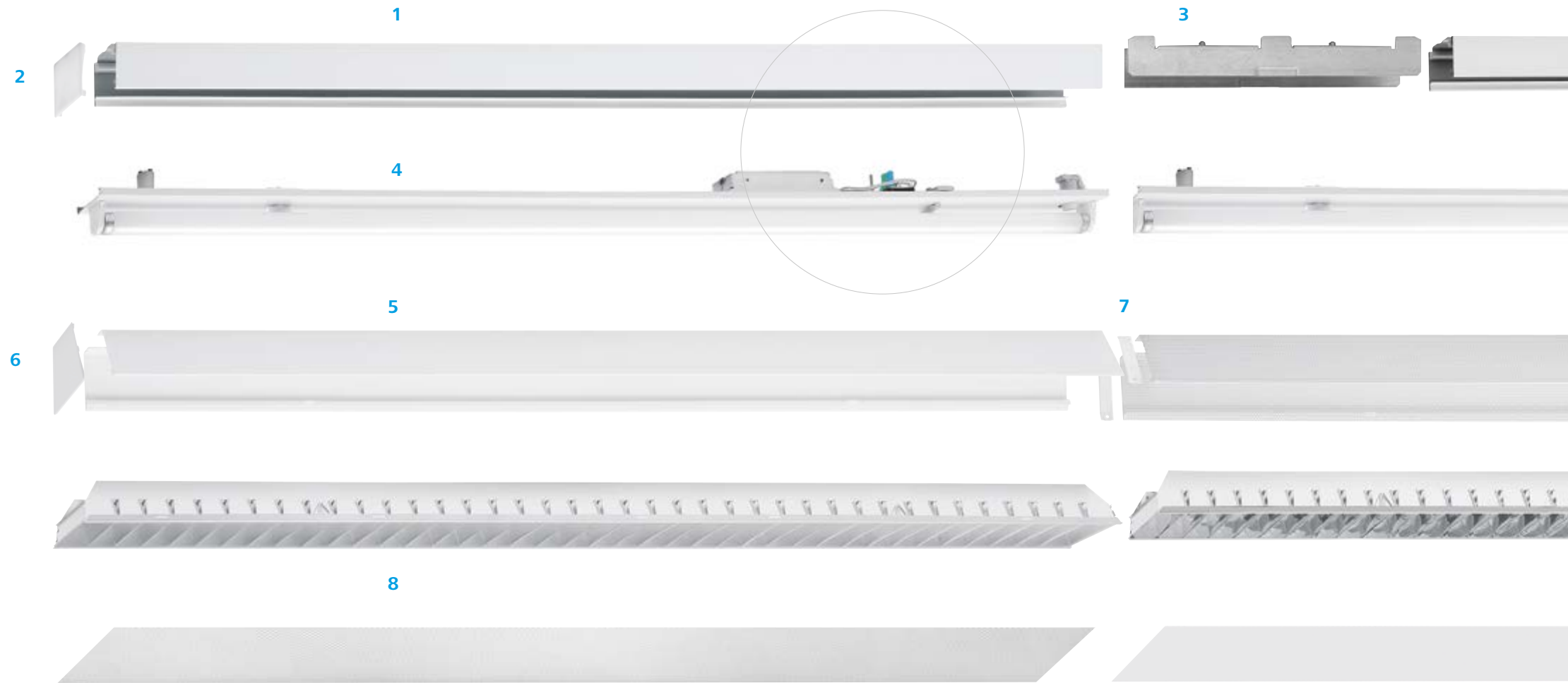


**PRESTIGE FDH**  
COMPONENT MATRIX





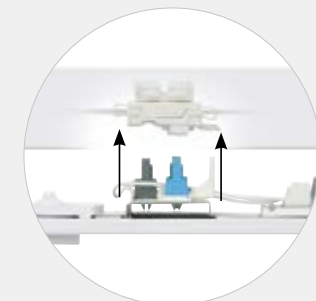
**PRESTIGE SYSTEM FDH**  
ACCESSORIES



- |  |                 |
|--|-----------------|
| 1 Mounting Rail FDH I                            | MR FDH I        |
| Mounting Rail FDH II                             | MR FDH II       |
| Mounting Rail FDH III                            | MR FDH III      |
| 2 Mounting rail end piece                        | MRE             |
| 3 Mounting rail connecting piece                 | MRCP 02         |
| 4 Device Mount FDH                               | DM FDH          |
|  | MR COVER FDH    |
|  | DM FDH Track    |
|  | DM FDH Track    |
|  | (length 300 mm) |
|  | (length 300 mm) |
| 5 Reflector FDH                                  |                 |
| 6 Reflector end piece R12                        | REP R12         |
| 7 Reflector R12 connecting piece                 | RCP R12         |
| 8 Louvre FDH                                     |                 |
| Diffuser FDH                                     |                 |
| 9 Rope suspension with electrical connection     | RSE 02          |
| 10 Rope suspension without electrical connection | RS 02           |
| 11 Chain suspension                              | CHS             |
| 12 Chain pendant                                 | CHP 02          |
| 13 Bracket for ceiling mounting                  | SB 02           |
| 14 Bracket for ceiling mounting                  | SBT 1502        |
|  | SBT 2402        |

LENGTH (m)		MOUNTING RAIL		SUSPENSION BRACKET		MOUNTING RAIL CONNECTING PIECE	MOUNTING RAIL END PIECE	DEVICE MOUNT	REFLECTOR	REFLECTOR CONNECTING PIECE	REFLECTOR END PIECE	LOUVRE / DIFFUSER
28/54 W LED 1.2	35/49/80 W LED 1.5	MR FDH II	MR FDH III	28/54 W LED 1.2	35/49/80 W LED 1.5	MRCP 02	MRE (2 pcs per set)	DM FDH PRESTIGE LED MR COVER FDH		RCP R12 (2 pcs per set)	REP R12 (2 pcs per set)	
2.37	2.97	1	-	2	2	-	1	2	2	1	1	2
3.55	4.45	-	1	2	2	-	1	3	3	2	1	3
4.74	5.94	2	-	3	3	1	1	4	4	3	1	4
5.92	7.42	1	1	3	4	1	1	5	5	4	1	5
7.10	8.90	-	2	4	4	1	1	6	6	5	1	6
8.29	10.39	2	1	4	5	2	1	7	7	6	1	7
9.47	11.87	1	2	5	6	2	1	8	8	7	1	8
10.65	13.35	-	3	5	6	2	1	9	9	8	1	9
11.84	14.84	2	2	6	7	3	1	10	10	9	1	10
13.02	16.32	1	3	6	8	3	1	11	11	10	1	11
14.20	17.80	-	4	7	8	3	1	12	12	11	1	12
15.39	19.29	2	3	7	9	4	1	13	13	12	1	13
16.57	20.77	1	4	8	10	4	1	14	14	13	1	14
17.76	22.26	-	5	8	10	4	1	15	15	14	1	15
18.94	23.74	2	4	9	11	5	1	16	16	15	1	16
20.12	25.22	1	5	9	11	5	1	17	17	16	1	17
21.31	26.71	-	6	10	12	5	1	18	18	17	1	18
22.49	28.19	2	5	10	13	6	1	19	19	18	1	19
23.67	29.67	1	6	11	13	6	1	20	20	19	1	20
24.86	31.16	-	7	11	14	6	1	21	21	20	1	21
26.04	32.64	2	6	12	15	7	1	22	22	21	1	22
27.23	34.13	1	7	12	15	7	1	23	23	22	1	23
28.41	35.61	-	8	13	16	7	1	24	24	23	1	24
29.59	37.09	2	7	13	17	8	1	25	25	24	1	25
30.78	38.58	1	8	14	17	8	1	26	26	25	1	26
31.96	40.06	-	9	14	18	8	1	27	27	26	1	27
33.14	41.54	2	8	15	19	9	1	28	28	27	1	28
34.33	43.03	1	9	15	19	9	1	29	29	28	1	29
35.51	44.51	-	10	16	20	9	1	30	30	29	1	30

TYPE	LENGTH (mm)	
MR FDH I	28/54 W, 1.2	1184
MR FDH II	28/54 W, 1.2	2368
MR FDH III	28/54 W, 1.2	3551
MR FDH I	35/49/80 W, 1.5	1484
MR FDH II	35/49/80 W, 1.5	2968
MR FDH III	35/49/80 W, 1.5	4451
<b>DIMENSIONS (mm)</b>		
MR L/T/X01/X02	540 x 540	
MR L II	315 x 304	
MR T II	540 x 304	



**PRESTIGE**  
DEVICE MOUNT

**FDH device mount**

The fluorescent light source device mount is standardly attached directly to the mounting rail using two built-in clamps, which allow for simple installation without additional tools as well as the addition of reflectors. Device mounts are available for single and double light source modules.

The connector located on the control gear tray allows for simple electrical connection of the fluorescent light source device to the mounting rail. It also enables phase selection (5- and 7-pole connection) by means of positioning a movable contact. Any free contacts can be used for the configuration of the device for dimming or emergency lighting.

**Luminaire without reflector**

Luminaires without optics have exposed light sources and so allow for an almost 360° distribution of the emitted light. This version is ideal for areas with basic lighting requirements.



**Emergency**

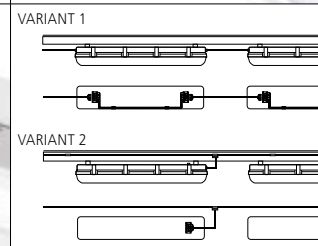
For emergency lighting in the case of a power cut, Prestige is supplied with an inverter that provides power for light sources for a period of 1 or 3 hours.

This option is available for FDH and LED (DM approx. 1.5 m for variants 28/54 W or 36 W).



**Combination of Prestige + Tornado**

If dust-sealed and water resistant lighting is required, it is possible to use the high-IP tornado luminaire with the Prestige mounting rail system to provide the advantages of Prestige in more demanding areas of application.



**PRESTIGE**  
REFLECTORS

**IP65 (FDH)**

The Prestige system allows for the use of special safety fluorescent light sources protected by a polycarbonate tube with IP65 enclosure that prevent the dispersal of dangerous particles if the light source is broken. Such light sources are widely used in the food and chemical industries but are also useful in other spaces where there is a higher chance of breakage or where special care needs to be taken to minimise risk involved in breakage.



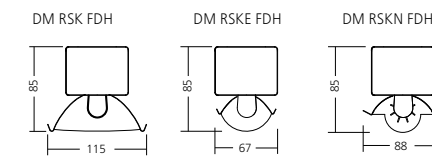
**REFLECTOR – DUO ASYM REF (FDH)**

A specially designed double asymmetric reflector for use in supermarkets.



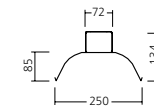
**RSK / RSKE / RSKN**

Reflector accessories available with three different lighting characteristics.



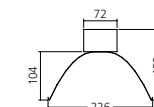
**R12 (FDH) AL DEEP**

This narrow aluminium reflector makes it possible to provide suitable illumination of aisles in high-bay storage facilities and production areas even when mounted at heights of 6–10 m. Made from anodised polished aluminium and in versions suitable for single and double light source modules, the reflector provides direct narrow beam light distribution.



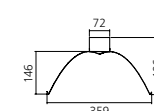
**R12 (FDH) AL DEEP 02**

This narrow aluminium reflector makes it possible to provide suitable illumination of aisles in high-bay storage facilities and production areas even when mounted at heights of 6–10 m. Made from anodised polished aluminium and in versions suitable for single and double light source modules, the reflector provides direct narrow beam light distribution.



**R2 FDH AL DEEP 03**

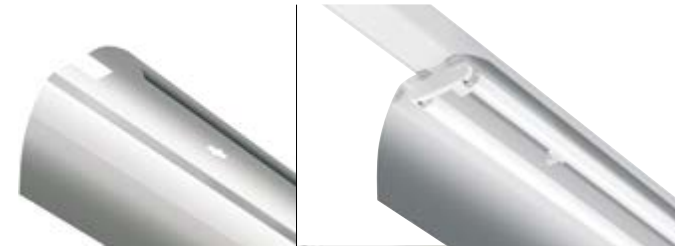
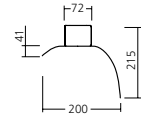
This narrow aluminium reflector makes it possible to provide suitable illumination of aisles in high-bay storage facilities and production areas even when mounted at heights of 6–10 m. Made from anodised polished aluminium and in versions suitable for single and double light source modules, the reflector provides direct narrow beam light distribution.



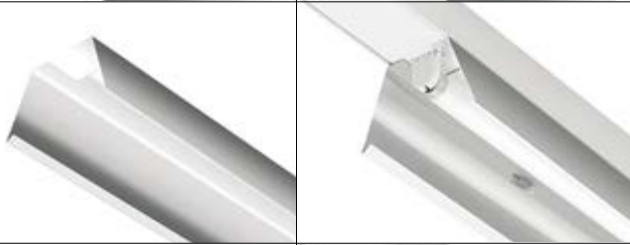
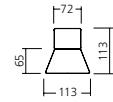


**R12 (FDH) AL ASYMMETRIC**

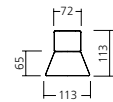
This asymmetric reflector allows for the illumination of walls and displays while maintaining a uniform appearance with standard luminaires. Suitable for use in schools, offices, production areas and workshops, it is used mainly for the lighting of walls, boards and shelving. It is available in versions suitable for single and double light source modules

**R12 FDH AL**

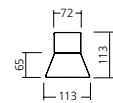
A wide reflector suitable for use in mid-height installations where high illumination levels and low energy consumption are required. Made from anodised polished aluminium and in versions suitable for single and double light source modules, the reflector provides direct wide beam light distribution.

**R12 FDH L1**

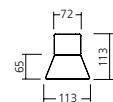
A wide reflector suitable for use in installations where high illumination levels and low energy consumption are required. Made from 0.6 mm sheet steel with a white power coating and in versions suitable for single and double light source modules, the reflector provides direct wide beam light distribution.

**R12 FDH L2**

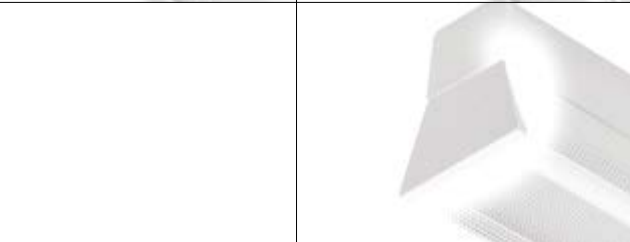
A perforated wide reflector suitable for use in representative areas where high illumination levels and low energy consumption are required. The perforations enable illumination also of the ceiling with a decorative effect to create a pleasant atmosphere.

**R12 FDH L4**

A perforated wide reflector suitable for use in representative areas where high illumination levels and low energy consumption are required. The perforations enable illumination also of the ceiling with a decorative effect to create a pleasant atmosphere.

**REP R12 – reflector end piece**

A self-extinguishing ABS plastic cover used to finish open ends of R12 FDH L1, R12 FDH L2 reflectors. End pieces must be ordered separately.

**RCP R12 AL – R12 AL reflector connector**

Reflector connectors must be ordered separately.

RCP R12 AL – R12 AL REFLECTOR CONNECTOR

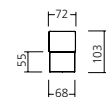
RCP R12 – R12 AL REFLECTOR CONNECTOR

**RCP R12 – R12 L1, R12 L2, R12 L4 reflector connectors**

Reflector connectors must be ordered separately.

**R1 FDH L1**

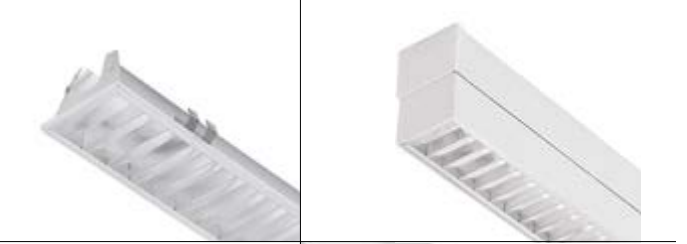
A reflector designed for use with a single FDH light source. Made from 0.6 mm sheet steel with a white power coating, the reflector provides direct wide beam light distribution.

**PRESTIGE**  
LOUVRES / DIFFUSERS**R1 FDH PAR-Vm**

A parabolic micro louvre designed for use with a single FDH light source. Its double-curved parabola construction makes it ideal for use in areas with high requirements for visual comfort and where display screen equipment is used. Made of anodised polished MIRO 4 aluminium, the louvre can be used in combination with the R1 FDH L1 reflector.

**R1 FDH PAR MAT-Vm**

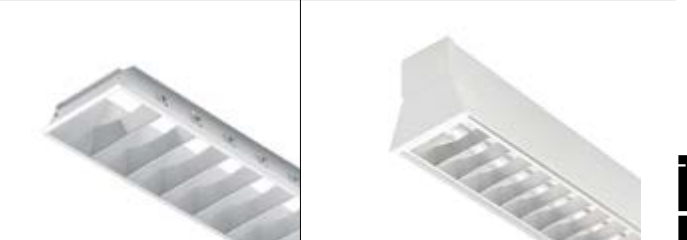
A parabolic micro louvre designed for use with a single FDH light source. Its double-curved parabola construction makes it ideal for use in areas with high requirements for visual comfort and where display screen equipment is used. Made of anodised matt MIRO 5 aluminium, the louvre can be used in combination with the R1 FDH L1 reflector.

**R12 FDH PAR-V**

A parabolic louvre designed for use with one or two FDH light sources. Its double-curved parabola construction makes it ideal for use in areas with high requirements for visual comfort and where display screen equipment is used. Made of anodised polished aluminium, the louvre can be used in combination with the R12 FDH L1, R12 FDH L2 and R12 FDH L4 reflectors.

**R12 FDH PAR MAT-V**

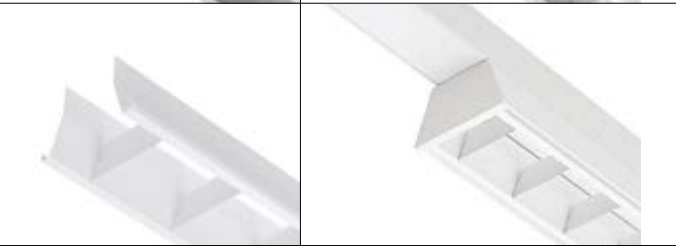
A parabolic louvre designed for use with one or two FDH light sources. Its double-curved parabola construction makes it ideal for use in areas with high requirements for visual comfort and where display screen equipment is used. Made of anodised matt aluminium, the louvre can be used in combination with the R12 FDH L1, R12 FDH L2 and R12 FDH L4 reflectors.

**R12 FDH LA**

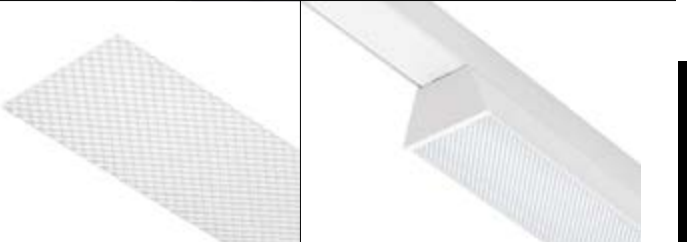
A parabolic louvre designed for use with one or two FDH light sources. It offers an excellent quality to price ratio by providing good control of the light and higher luminous efficacy, making it ideal for use in production areas and workshops. Made of anodised polished aluminium with matt scored cross blades, the louvre can be used in combination with the R12 FDH L1, R12 FDH L2 and R12 FDH L4 reflectors.

**R12 FDH LB**

A parabolic louvre designed for use with one or two FDH light sources. Made of white painted aluminium with scored cross blades, the louvre can be used in combination with the R12 FDH L1, R12 FDH L2 and R12 FDH L4 reflectors.

**R12 FDH PRISMATIC**

A decorative prismatic closed optical part suitable for use with one or two FDH light sources. It provides a wider beam spread making it suitable for use in rooms where mechanical protection of light sources is required. The PMMA diffuser is suitable for combination with the R12 FDH L1, R12 FDH L2 and R12 FDH L4 reflectors.



**PRESTIGE**  
PHOTOMETRY

<p>PRESTIGE FDH DM + R12 AL DEEP 03 IP65 2 x 35 W</p> <p>LOR = 88% lower flux fraction 100% upper flux fraction 0% UGR 12/20</p>	<p>PRESTIGE FDH DM + R12 AL DEEP 02 2 x 35 W</p> <p>LOR = 95% lower flux fraction 100% upper flux fraction 0% UGR 12/20</p>	<p>PRESTIGE FDH DM + R12 AL DEEP 02 1 x 35 W</p> <p>LOR = 91% lower flux fraction 100% upper flux fraction 0% UGR 8/18</p>	<p>PRESTIGE FDH DM 2 x 49 W</p> <p>LOR = 89.6% lower flux fraction 77% upper flux fraction 23% UGR 19/30</p>	<p>PRESTIGE FDH DM + R12 AL DEEP 2 x 49 W</p> <p>LOR = 98.2% lower flux fraction 100% upper flux fraction 0% UGR 19/23</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 PAR MAT-V 2 x 49 W</p> <p>LOR = 59.7% lower flux fraction 100% upper flux fraction 0% UGR 19/23</p>
<p>PRESTIGE FDH DM 1 x 35 W</p> <p>LOR = 95.4% lower flux fraction 77% upper flux fraction 23% UGR 24/30</p>	<p>PRESTIGE FDH DM + R12 AL DEEP 1 x 35 W</p> <p>LOR = 87.5% lower flux fraction 100% upper flux fraction 0% UGR 16/19</p>	<p>PRESTIGE FDH DM + R12 AL 1 x 35 W</p> <p>LOR = 73.8% lower flux fraction 100% upper flux fraction 0% UGR 22</p>	<p>PRESTIGE FDH DM + R12 L1 1 x 35 W</p> <p>LOR = 76.1% lower flux fraction 100% upper flux fraction 0% UGR 22</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 PAR MAT-V 1 x 35 W</p> <p>LOR = 57.8% lower flux fraction 100% upper flux fraction 0% UGR 17/22</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 PAR-V 1 x 35 W</p> <p>LOR = 64.7% lower flux fraction 100% upper flux fraction 0% UGR 17/23</p>
<p>PRESTIGE FDH DM + R12 L2 1 x 35 W</p> <p>LOR = 78.6% lower flux fraction 90% upper flux fraction 10% UGR 19</p>	<p>PRESTIGE FDH DM + R12 L2 + R12 PAR MAT-V 1 x 35 W</p> <p>LOR = 57.8% lower flux fraction 93% upper flux fraction 7% UGR 17/21</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 PAR-V 2 x 35 W</p> <p>LOR = 58.2% lower flux fraction 100% upper flux fraction 0% UGR 19/24</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 OPAL 1 x 35 W</p> <p>LOR = 65.9% lower flux fraction 100% upper flux fraction 0% UGR 22</p>	<p>PRESTIGE FDH DM 1 x 49 W</p> <p>LOR = 98% lower flux fraction 77% upper flux fraction 23% UGR 22/30</p>	<p>PRESTIGE FDH DM + R12 AL DEEP 1 x 80 W</p> <p>LOR = 87.5% lower flux fraction 100% upper flux fraction 0% UGR 17/20</p>
<p>PRESTIGE FDH DM + R12 L1 1 x 49 W</p> <p>LOR = 90.4% lower flux fraction 100% upper flux fraction 0% UGR 23</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 PAR MAT-V 1 x 35 W</p> <p>LOR = 67.4% lower flux fraction 100% upper flux fraction 0% UGR 17/21</p>	<p>PRESTIGE FDH DM + R12 L2 + R12 PAR-V 2 x 35 W</p> <p>LOR = 56.1% lower flux fraction 93% upper flux fraction 7% UGR 18</p>	<p>PRESTIGE FDH DM + R12 L2 1 x 49 W</p> <p>LOR = 88.4% lower flux fraction 90% upper flux fraction 10% UGR 25</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 OPAL 1 x 49 W</p> <p>LOR = 80.9% lower flux fraction 100% upper flux fraction 0% UGR 23</p>	<p>PRESTIGE FDH DM 1 x 80 W</p> <p>LOR = 93.2% lower flux fraction 78% upper flux fraction 22% UGR 26/32</p>
<p>PRESTIGE FDH DM + R12 AL ASYMMETRIC 1 x 80 W</p> <p>LOR = 89.1% lower flux fraction 100% upper flux fraction 0% UGR 25</p>	<p>PRESTIGE FDH DM + R12 L1 1 x 80 W</p> <p>LOR = 79% lower flux fraction 100% upper flux fraction 0% UGR 25</p>	<p>PRESTIGE FDH DM + R12 L1 2 x 80 W</p> <p>LOR = 69% lower flux fraction 100% upper flux fraction 0% UGR 27</p>	<p>PRESTIGE FDH DM + R12 L1 + R12 PAR-V 2 x 80 W</p> <p>LOR = 52.7% lower flux fraction 100% upper flux fraction 0% UGR 20/25</p>	<p>PRESTIGE FDH DM + RSK 1 x 35 W</p> <p>LOR = 86% lower flux fraction 100% upper flux fraction 0% UGR 17/21</p>	<p>PRESTIGE FDH DM + RSK 1 x 35 W</p> <p>LOR = 91% lower flux fraction 100% upper flux fraction 0% UGR 22/25</p>
<p>PRESTIGE FDH DM 2 x 35 W</p> <p>LOR = 71.2% lower flux fraction 76% upper flux fraction 24% UGR 28</p>	<p>PRESTIGE FDH DM + R12 AL DEEP 2 x 35 W</p> <p>LOR = 91.1% lower flux fraction 100% upper flux fraction 0% UGR 18/22</p>	<p>PRESTIGE FDH DM + R12 L2 + R12 PAR MAT-V 2 x 35 W</p> <p>LOR = 50.7% lower flux fraction 92% upper flux fraction 8% UGR 18</p>			



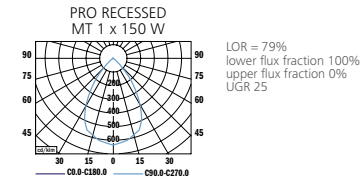
**PRO RECESSED**

MATT  
MT



# Pro Recessed

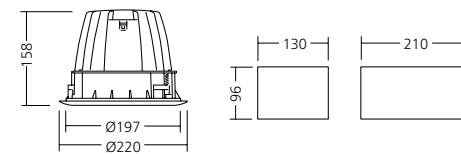
**PHOTOMETRY**



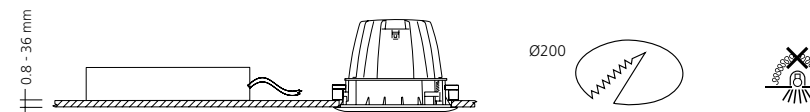
SEPARATE GEAR BOX



SEPARATE GEAR BOX



**MOUNTING**



TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EEC	WEIGHT (kg)
	REFLECTOR	COVER					
PRO RECESSED	•	•	1 x 35	MT	G12	A	2.0
PRO RECESSED	•	•	1 x 70	MT	G12	A+	2.0
PRO RECESSED	•	•	1 x 150	MT	G12	A+	2.0



**EN**  
**Mounting**  
 Ceiling recessed  
**Light source**  
 High-pressure metal-halide lamp (MT)  
**Optical system**  
 Matt reflector + opal cover (MRO)  
**Wiring**  
 Electronic control gear FIX (ECG)  
 Conventional control gear, standardly compensated (CCG)  
**Materials**  
 Housing: die-cast aluminium  
 Reflector: matt anodised aluminium  
 Reflector cover: sandblasted hardened glass  
 Trim: die-cast aluminium  
**Surface finish**  
 Trim: white RAL 9003 (W03)

**DE**  
**Montage**  
 Einbauleuchte  
**Lichtquelle**  
 Hochdruckmetaldampfladungslampe (MT)  
**Optisches System**  
 Matter Reflektor + opale Abdeckung (MRO)  
**Vorschaltgerät**  
 Elektronisches Vorschaltgerät FIX (ECG)  
 Konventionelles magnetisches Vorschaltgerät, standardmäßig kompensiert (CCG)  
**Material**  
 Körper: Aluminiumdruckguss  
 Reflektor: mattes eloxiertes Aluminium  
 Reflektorabdeckung: sandgestrahtes Hartglas  
 Einfassung: Aluminiumdruckguss  
**Oberflächenveredelung**  
 Einfassung: weiss RAL 9003 (W03)

**FR**  
**Montage**  
 Plafonnier encastrable  
**Source lumineuse**  
 Lampe aux halogénures métalliques à haute pression (MT)  
**Système optique**  
 Réflecteur mat + couvercle opale (MRO)  
**Équipement électrique**  
 Ballast électronique FIX (ECG)  
 Ballast magnétique conventionnel, généralement compensé (CCG)  
**Matériels**  
 Corps: aluminium moulé sous pression  
 Réflecteur: aluminium mat anodisé  
 Protection du réflecteur: verre trempé sablé  
 Moulure: aluminium moulé sous pression  
**Finition de surface**  
 Moulure: blanc RAL 9003 (W03)

**SK**  
**Montáž**  
 Vsadené  
**Svetelný zdroj**  
 Vysokotlaková metalhalogenidová výbojka (MT)  
**Optický systém**  
 Matný reflektor + opalový kryt (MRO)  
**Elektrická výbava**  
 Elektronický predradník FIX (ECG)  
 Konvenčný magnetický predradník, štandardne kompenzovaný (CCG)  
**Material**  
 Teleso: hliníkový odliatok  
 Reflektor: matný anodizovaný hliník  
 Kryt reflektora: pieskované kalené sklo  
 Obrnuč: hliníkový odliatok  
**Povrchová úprava**  
 Obrnuč: biela RAL 9003 (W03)

**ES**  
**Montaje**  
 Empotradas en el techo  
**Fuente lumínica**  
 Lámpara de halogenuro metálico a alta presión (MT)  
**Sistema óptico**  
 Reflector mate + cubierta ópala (MRO)  
**Cableado**  
 Equipo de control electrónico FIX (ECG)  
 Equipo de control convencional, compensados en forma estándar (CCG)  
**Material**  
 Cuerpo: aluminio moldeado  
 Reflector: aluminio mate anodizado  
 Cubierta del reflector: Vidrio templado soplado  
 Borde: aluminio presofundido  
**Tratamiento de la superficie**  
 Borde: blanco RAL 9003 (W03)

**IT**  
**Installazione**  
 Ad incasso a soffitto  
**Sorgente luminosa**  
 Lampada a scarica ad alogenuri metallici ad alta pressione (MT)  
**Sistema ottico**  
 Riflettore opaco + copertura opale (MRO)  
**Cablaggio**  
 Ballast elettronico FIX (ECG)  
 Ballast magnetico convenzionale, rifasato standard (CCG)  
**Materiali**  
 Corpo: pressofusione di alluminio  
 Riflettore: alluminio opaco anodizzato  
 Copertura del riflettore: vetro sabbato  
 Profilo: pressofusione di alluminio  
**Finitura**  
 Profilo: bianco RAL 9003 (W03)

**RU**  
**Установка**  
 Потолочная встраиваемая  
**Источник света**  
 Металлогалогенная лампа высокого давления (MT)  
**Оптическая система**  
 матовый отражатель + чистая крышка (MRO)  
**Электрическое оснащение**  
 Электронный пускорегулирующий аппарат FIX (ECG)  
 Типовой компенсированный пускорегулирующий аппарат (CCG)  
**Материал**  
 Корпус: литой алюминий  
 Отражатель: анодированный матовый алюминий  
 Крышка отражателя: закаленное стекло с пескоструйной  
 Накладка: литой алюминий  
**Отделка поверхности**  
 Накладка: белый RAL 9003 (W03)

Highly flexible plastics production means we can do everything easily, quickly and with minimal losses.

We use a range of KRAUSS MAFFEI injection molding machines with pressing forces from 500 to 27,000 kN. The machines are very fast, which is further enhanced by automated unloading of parts by six-axis robots. All of the machines allow for easy and quick mold changes and modification to operative parameters, resulting in streamlined production. The machines, along with our use of the best quality plastics, result in a very low defect rate, meaning parts are consistently of a very high quality and finish. For the production of extruded plastic parts such as diffusers, we use a Fruil Filere OMEGA S45 extrusion line. We also have a Sonderhoff EDF 'mold'n'seal' gasketing machine that produces sealed parts suitable for use in outdoor and waterproof interior luminaires.



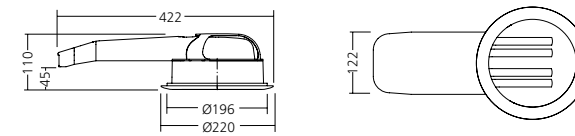
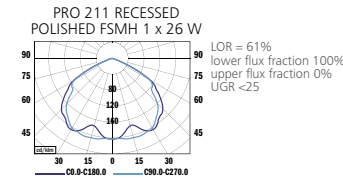
**PRO 211 RECESSED**  
POLISHED / MATT / FACET  
FSQ / FSMH

FASTRUNNER



# Pro 211 Recessed

**PHOTOMETRY**



**MOUNTING**



TYPE	OPTICAL SYSTEM REFLECTOR			POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	POLISHED	MATT	FACET				1H	3H		
PRO 211 RECESSED	•	•	•	1 x 13	FSQ	G24q-1	•	•	A	1.1
PRO 211 RECESSED	•	•	•	1 x 18	FSQ	G24q-2	•	•	A / B	1.1
PRO 211 RECESSED	•	•	•	1 x 13	FSMH	GX24q-1	•	•	A	1.1
PRO 211 RECESSED	•	•	•	1 x 18	FSMH	GX24q-2	•	•	A / B	1.1
PRO 211 RECESSED	•	•	•	1 x 26	FSMH	GX24q-3	•	•	A	1.1
PRO 211 RECESSED	•	•	•	1 x 32	FSMH	GX24q-3	•	•	A	1.1
PRO 211 RECESSED	•	•	•	2 x 13	FSQ	G24q-1	•	•	A	1.1
PRO 211 RECESSED	•	•	•	2 x 18	FSQ	G24q-2	•	•	A / B	1.1
PRO 211 RECESSED	•	•	•	2 x 13	FSMH	GX24q-1	•	•	A	1.1
PRO 211 RECESSED	•	•	•	2 x 18	FSMH	GX24q-2	•	•	A / B	1.1
PRO 211 RECESSED	•	•	•	2 x 26	FSMH	GX24q-3	•	•	A	1.1



POLISHED



MATT



FACET



**EN**

**Mounting**  
Ceiling recessed  
**Light source**  
Compact fluorescent lamp (FSMH/FSQ)  
**Optical system**  
Polished/matt/facet reflector (PRE/MRE/FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: polycarbonate  
Reflector: polished/matt/facet aluminium  
Trim: die-cast aluminium  
Installation plate: galvanised sheet steel  
**Surface finish**  
Trim: white RAL 9003 (W03)

**DE**

**Montage**  
Einbauleuchte  
**Lichtquelle**  
Kompakte Leuchtstofflampe (FSMH/FSQ)  
**Optisches System**  
Polierter/matter/facettierter Reflektor (PRE/MRE/FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Polycarbonat  
Reflektor: poliertes/mattes/facettiertes Aluminium  
Einfassung: Aluminiumdruckguss  
Installationsplatte: verzinktes Blech  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)

**FR**

**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
Lampe fluorescente compacte (FSMH/FSQ)  
**Système optique**  
Réflecteur poli/mat/facetté (PRE/MRE/FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: polycarbonate  
Réflecteur: aluminium à l'aspect poli/mat  
Moulure: aluminium moulé sous pression  
Plaque d'installation: tôle d'acier galvanisée  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)

**SK**

**Montáž**  
Vsaďené  
**Svetelný zdroj**  
Kompaktná fluorescenčná žiarivka (FSMH/FSQ)  
**Optický systém**  
Leštený/matný/fazetový reflektor (PRE/MRE/FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: polykarbonát  
Reflektor: leštený/matný/fazetový hliník  
Obruč: hliníkový odliatok  
Inštalčná doska: galvanizovaný plech  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)

**ES**

**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
Lámpara fluorescente compacta (FSMH/FSQ)  
**Sistema óptico**  
Reflector pulido/mate/facettato (PRE/MRE/FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: policarbonato  
Reflector: aluminio pulido/mate/faceteado  
Reborde: aluminio presofundido  
Placa de instalación: lámina de acero galvanizado  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)

**IT**

**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
Lampada fluorescente compatta (FSMH/FSQ)  
**Sistema ottico**  
Riflettore lucido/opaco/sfaccettato (PRE/MRE/FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: polycarbonato  
Riflettore: alluminio lucido/opaco/sfaccettato  
Profilo: pressofusione di alluminio  
Plastra di supporto: lamina in acciaio zincato  
**Finitura**  
Profilo: bianco RAL 9003 (W03)

**RU**

**Установка**  
Потолочная встраиваемая  
**Источник света**  
Компактная люминесцентная лампа (FSMH/FSQ)  
**Оптическая система**  
Шлифованный/матовый/рифленый отражатель (PRE/MRE/FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: поликарбонат  
Отражатель: шлифованный/матовый/рифленый алюминий  
Накладка: литой алюминий  
Монтажная пластина: гальванизированная листовая сталь  
**Отделка поверхности**  
Накладка: белый RAL 9003 (W03)

Effective and discreet illumination suitable for more demanding environments.

Downlights are often required to have higher IP ratings for use in more demanding interior areas or covered exterior spaces. For this reason, some downlights can be additionally equipped with glass or polycarbonate covers that lift the IP rating to 44, making the luminaires ideal for application where they may get wet or are more likely to get damaged by objects. Both the glass and polycarbonate covers available can be clear

or have an opal finish. The opal finish reduces the luminosity of the light source, thereby increasing visual comfort. All covers are easily removable for cleaning, ensuring that the luminaire function optimally at all times.





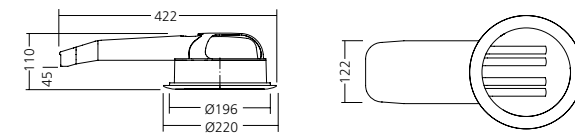
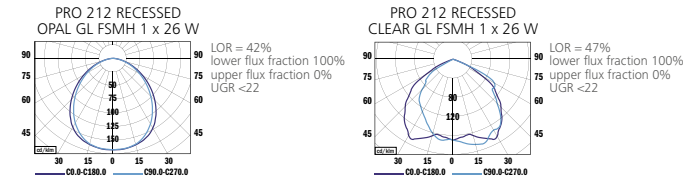
**PRO 212 RECESSED**  
CLEAR / OPAL / PRISMA  
FSQ / FSMH

FASTRUNNER

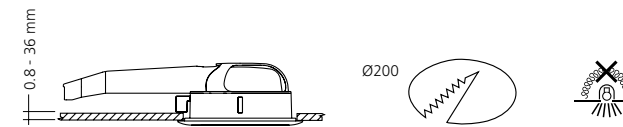


# Pro 212 Recessed

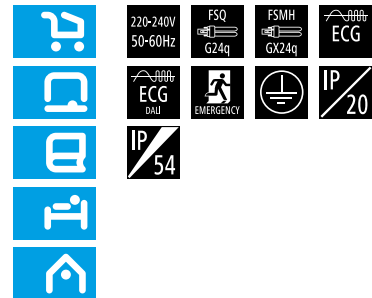
**PHOTOMETRY**



**MOUNTING**



TYPE	OPTICAL SYSTEM						POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	REFLECTOR			COVER						1H	3H		
	POLISHED	MATT	FACET	TRANSP.	OPAL	PRISMA							
PRO 212 RECESSED	*	*	*	*	*	*	1 x 13	FSQ	G24q-1	*	*	A	1.3
PRO 212 RECESSED	*	*	*	*	*	*	1 x 18	FSQ	G24q-2	*	*	A / B	1.3
PRO 212 RECESSED	*	*	*	*	*	*	1 x 13	FSMH	GX24q-1	*	*	A	1.3
PRO 212 RECESSED	*	*	*	*	*	*	1 x 18	FSMH	GX24q-2	*	*	A / B	1.3
PRO 212 RECESSED	*	*	*	*	*	*	1 x 26	FSMH	GX24q-3	*	*	A	1.3
PRO 212 RECESSED	*	*	*	*	*	*	1 x 32	FSMH	GX24q-3	*	*	A	1.3
PRO 212 RECESSED	*	*	*	*	*	*	2 x 13	FSQ	G24q-1	*	*	A	1.3
PRO 212 RECESSED	*	*	*	*	*	*	2 x 18	FSQ	G24q-2	*	*	A / B	1.3
PRO 212 RECESSED	*	*	*	*	*	*	2 x 13	FSMH	GX24q-1	*	*	A	1.3
PRO 212 RECESSED	*	*	*	*	*	*	2 x 18	FSMH	GX24q-2	*	*	A / B	1.3
PRO 212 RECESSED	*	*	*	*	*	*	2 x 26	FSMH	GX24q-3	*	*	A	1.3



**EN**  
**Mounting**  
Ceiling recessed  
**Light source**  
Compact fluorescent lamp (FSMH/FSQ)  
**Optical system**  
Polished/matt/facet reflector (PRE/MRE/FRE)  
Opal/prismatic/transparent diffuser (OPD/PRD/TRD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: polycarbonate  
Reflector: polished/matt/facet aluminium  
Reflector cover: hardened glass (sandblasted/transparent), polycarbonate (transparent)  
Trim: die-cast aluminium  
Installation plate: galvanised sheet steel  
**Surface finish**  
Trim: white RAL 9003 (W03)  
**Accessories**  
Decorative elements and glasses

**DE**  
**Montage**  
Einbauleuchte  
**Lichtquelle**  
Kompakte Leuchtstofflampe (FSMH/FSQ)  
**Optisches System**  
Polierter/matt/facetierter Reflektor (PRE/MRE/FRE)  
Opal/prismatisch/durchsichtig Diffusor (OPD/PRD/TRD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Polycarbonat  
Reflektor: poliertes/mattes/facetiertes Aluminium  
Reflektorabdeckung: gehärtetes Glas (sandgestrahlt/transparent), Polycarbonat (transparent)  
Einfassung: Aluminiumdruckguss  
Installationsplatte: verzinktes Blech  
**Oberflächenveredelung**  
Einfassung: weiss RAL 9003 (W03)  
**Zubehör**  
Dekorelemente und Glasvarianten

**FR**  
**Montage**  
Plafonnier encastrable  
**Source lumineuse**  
Lampe fluorescente compacte (FSMH/FSQ)  
**Système optique**  
Réflecteur poli/mat/facetté (PRE/MRE/FRE)  
Diffuseur opale/prismatique/transparente (OPD/PRD/TRD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: polycarbonate  
Réflecteur: aluminium à l'aspect/poli/mat  
Protection du réflecteur: verre trempé (sablé/transparent), polycarbonate (transparent)  
Moulure: aluminium moulé sous pression  
Plaque d'installation: tôle d'acier galvanisée  
**Finition de surface**  
Moulure: blanc RAL 9003 (W03)  
**Accessoires**  
Éléments décoratifs et verrerie

**SK**  
**Montáž**  
Vsađenje  
**Svetelný zdroj**  
Kompaktná fluorescenčná žiarivka (FSMH/FSQ)  
**Optický systém**  
Leštený/matný/facetový reflektor (PRE/MRE/FRE)  
opáľový/prizmatický/transparentný difúzor (OPD/PRD/TRD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: polycarbonát  
Reflektor: leštený/matný/facetový hliník  
Kryt reflektora: tvrdené sklo (pieskované/círe), polycarbonát (transparentný)  
Obruč: hliníkový odliatok  
Inštalčná doska: galvanizovaný plech  
**Povrchová úprava**  
Obruč: biela RAL 9003 (W03)  
**Príslušenstvo**  
Dekorativné prvky a sklá

**ES**  
**Montaje**  
Empotradas en el techo  
**Fuente luminica**  
Lámpara fluorescente compacta (FSMH/FSQ)  
**Sistema óptico**  
Reflector pulido/mate/facetado (PRE/MRE/FRE)  
Difusor opalescente/prismático/transparente (OPD/PRD/TRD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: policarbonato  
Reflector: aluminio pulido/mate/faceteado  
Cubierta del reflector: vidrio endurecido (pulido con arena/transparente), policarbonato (transparente)  
Reborde: aluminio presofundido  
Placa de instalación: lámina de acero galvanizado  
**Tratamiento de la superficie**  
Reborde: blanco RAL 9003 (W03)  
**Accesorios**  
Elementos y vidrios decorativos

**IT**  
**Installazione**  
Ad incasso a soffitto  
**Sorgente luminosa**  
Lampada fluorescente compatta (FSMH/FSQ)  
**Sistema ottico**  
Riflettore lucido/opaco/sfaccettato (PRE/MRE/FRE)  
Diffusore opale/prismatico/transparente (OPD/PRD/TRD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: polycarbonato  
Riflettore: alluminio lucido/opaco/sfaccettato  
Copertura del riflettore: vetro temperato (sabbato/transparente), policarbonato (transparente)  
Profilo: pressofusione di alluminio  
Plastra di supporto: lamina in acciaio zincato  
**Finitura**  
Profilo: bianco RAL 9003 (W03)  
**Accessori**  
Elementi e vetri decorativi

**RU**  
**Установка**  
Потолочная встроенная  
**Источник света**  
Компактная люминесцентная лампа (FSMH/FSQ)  
**Оптическая система**  
Шлифованный/матовый/рифленый отражатель (PRE/MRE/FRE)  
матовый/микропризматический Рассеиватель (OPD/PRD/TRD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: поликарбонат  
Отражатель: шлифованный/матовый/рифленый алюминий  
Крышка отражателя: закаленное стекло (обработанное пескоструйным аппаратом/прозрачные), поликарбонат (прозрачные)  
Накладка: литой алюминий  
Монтажная пластина: гальванизированная листовая сталь  
**Отделка поверхности**  
Накладка: Белый RAL 9003 (W03)  
**Аксессуары**  
Декоративные элементы и стекла

A classic and simple downlight that offers efficiency, performance and comfort.

Downlights are particularly popular due to their aesthetic minimalism and effectiveness. Recessed into the ceiling, they project a controlled beam of light with light distributions ranging from narrow to wide depending on the chosen optical system. This allows them to have relatively high efficacies as little light is lost within the optical system. All downlights use some kind of reflector to provide the desired light distribution, with the most common options being polished, matt or faceted aluminium, or white painted aluminium.



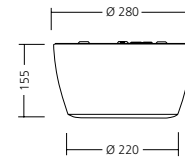
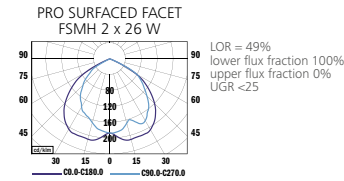
PRO SURFACED

FACET  
FSMH

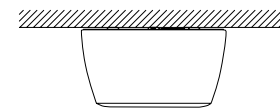


# Pro Surfaced

PHOTOMETRY



MOUNTING



TYPE	OPTICAL SYSTEM REFLECTOR FACET	POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
					1H	3H		
PRO SURFACED	•	1 x 18	FSMH	GX24q-2	•	•	A	1.8
PRO SURFACED	•	1 x 26	FSMH	GX24q-3	-	-	A	1.8
PRO SURFACED	•	1 x 32	FSMH	GX24q-3	-	-	A	1.8
PRO SURFACED	•	2 x 18	FSMH	GX24q-2	•	•	A	1.8
PRO SURFACED	•	2 x 26	FSMH	GX24q-3	-	-	A	1.8



OPAL PC COVER



PRO GLASKON



PRO RINGLET



EN

**Mounting**  
Ceiling surfaced (SFD)  
**Light source**  
Compact fluorescent lamp (FSMH)  
**Optical system**  
Facet reflector (FRE)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: sheet steel  
Installation plate: galvanised sheet steel  
Reflector: facet anodised aluminium  
Reflector cover: hardened glass (sandblasted/transparent), PC (opal/transparent/prismatic)  
Trim: die-cast aluminium  
**Surface finish**  
Housing: white RAL 9003 (W03)  
Trim: white RAL 9003 (W03)  
**Accessories**  
Decorative elements and glasses

DE

**Montage**  
Deckenleuchte (SFD)  
**Lichtquelle**  
Kompakte Leuchtstofflampe (FSMH)  
**Optisches System**  
Facettierter Reflektor (FRE)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: Stahlblech  
Installationsplatte: verzinktes Blech  
Reflektor: facettiertes eloxiertes Aluminium  
Reflektorabdeckung: gehärtetes Glas (sandgestrahl/transparent), PC (opal/transparent/prismatisch)  
**Einfassung**  
Aluminiumdruckguss  
**Oberflächenveredelung**  
Körper: Weiss RAL 9003 (W03)  
Moulure: weiss RAL 9003 (W03)  
**Zubehör**  
Dekorelemente und Glasvarianten

FR

**Montage**  
Plafonnier apparent (SFD)  
**Source lumineuse**  
Lampe fluorescente compacte (FSMH)  
**Système optique**  
Facetté réflecteur (FRE)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: tôle d'acier  
Plaque d'installation: tôle d'acier galvanisée  
Réflecteur: aluminium à l'aspect anodisé  
Protection du réflecteur: verre trempé (sablé/transparent), PC (opal/transparent/prismatique)  
Obruc: aluminium moulé sous pression  
**Finition de surface**  
Corps: blanc RAL 9003 (W03)  
Obruc: blanc RAL 9003 (W03)  
**Accessoires**  
Éléments décoratifs et verrerie

SK

**Montáž**  
Prisadené (SFD)  
**Svetelný zdroj**  
Kompaktná fluorescenčná žiarivka (FSMH)  
**Optický systém**  
Fazetový reflektor (FRE)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Teleso: oceľový plech  
Inštalčná doska: galvanizovaný plech  
Reflektor: anodizovaný fazetový hliník  
Kryt reflektora: tvrdené sklo (pieskované/transparenčné), PC (opáľový/transparentný/prizmatický)  
Obruč: hliníkový odliatok  
**Povrchová úprava**  
Teleso: biela RAL 9003 (W03)  
Obruč: biela RAL 9003 (W03)  
**Príslušenstvo**  
Dekoratívne prvky a sklá

ES

**Montaje**  
Sobrepuestas en el techo (SFD)  
**Fuente lumínica**  
Lámpara fluorescente compacta (FSMH)  
**Sistema óptico**  
Reflector facetado (FRE)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: lámina de acero  
Placa de instalación: lámina de acero galvanizado  
Reflector: aluminio anodizado facetado  
Cubierta del reflector: vidrio endurecido (pulido con arena/transparente), PC (ópalo/transparente/prismático)  
**Tratamiento de la superficie**  
Cuerpo: blanco RAL 9003 (W03)  
Reborde: blanco RAL 9003 (W03)  
**Accesorios**  
Elementos y vidrios decorativos

IT

**Installazione**  
A plafone (SFD)  
**Sorgente luminosa**  
Lampada fluorescente compatta (FSMH)  
**Sistema ottico**  
Riflettore sfaccettato (FRE)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: lamina d'acciaio  
Piastra di supporto: lamina in acciaio zincato  
Riflettore: alluminio anodizzato sfaccettato  
Copertura del riflettore: vetro temperato (sabbato/transparente), PC (opale/transparente/prismatico)  
**Finitura**  
Corpo: bianco RAL 9003 (W03)  
Profilo: bianco RAL 9003 (W03)  
**Accessori**  
Elementi e vetri decorativi

RU

**Установка**  
Потолочная накладная (SFD)  
**Источник света**  
Компактная люминесцентная лампа (FSMH)  
**Оптическая система**  
Рифленый отражатель (FRE)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: листовая сталь  
Монтажная пластина: гальванизированная листовая сталь  
Отражатель: рифленый анодированный алюминий  
Крышка отражателя: закаленное стекло (обработанное пескоструйным аппаратом/прозрачные), ПЦ (матовый/прозрачные/призматический)  
Накладка: литой алюминий  
**Отделка поверхности**  
Корпус: белый RAL 9003 (W03)  
Накладка: белый RAL 9003 (W03)  
**Аксессуары**  
Декоративные элементы и стекла

A very useful and complementary machine that does everything the others can't.

Our high-performance MiltiCam 3000 CNC Router can cut various materials that cannot be processed by any of the other automated machines in operation in our production facilities. The space-saving 2 x 3 m dimensions in combination with maximum cutting depth of 20 cm, automatic tool exchange and calibration and user-friendly interface, enables the production of anything from reflectors and diffusers to the cutting of cardboard and foil. This useful machine streamlines many processes and saves manpower, costs and time.





**TORNADO PC**  
PRISMA  
FD / FDH

FASTRUNNER



# Tornado PC



EN

**Mounting**  
Surfaced/Suspended (S/S)  
Wall mounted  
**Light source**  
Linear fluorescent lamp (FD/FDH)  
**Optical system**  
Transparent diffuser (TRD)  
**Wiring**  
Electronic control gear FIX/DALI (ECG/EDA)  
Through wiring  
Emergency unit variant (1H/3H)  
**Materials**  
Housing: grey injected polycarbonate  
Diffuser: transparent injected polycarbonate  
Clips: polycarbonate  
Installation plate: white painted sheet steel  
**Accessories**  
Holders  
Rope suspension  
Connectors  
Clips: stainless steel (INOX)  
Additional top reflector

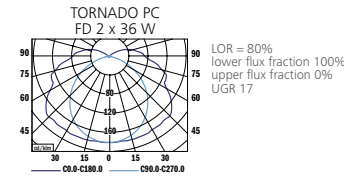
DE

**Montage**  
Deckenleuchte/Hängend (S/S)  
Wandleuchte  
**Lichtquelle**  
Lineare Leuchtstofflampe (FD/FDH)  
**Optisches System**  
durchsichtig Diffusor (TRD)  
**Vorschaltgerät**  
Elektronisches Vorschaltgerät FIX/DALI (ECG/EDA)  
Laufende Verkabelung  
Notbeleuchtung Variante (1H/3H)  
**Material**  
Körper: grau Spritzguss-Polykarbonat  
Diffusor: transparentes Spritzguss-Polykarbonat  
Klips: Polykarbonat  
Installationsplatte: weissbeschichtetes Stahlblech  
**Zubehör**  
Halter  
Seilaufhängung  
Stecker  
Klips: rostfreier Stahl (INOX)  
Zusätzlicher Top-Reflektor

FR

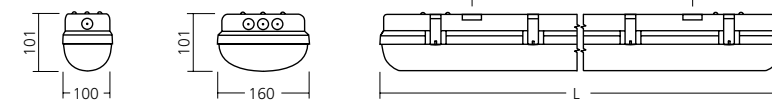
**Montage**  
Plafonnier apparent/Suspendu (S/S)  
Applique murale  
**Source lumineuse**  
Lampe fluorescente linéaire (FD/FDH)  
**Système optique**  
Diffuseur transparente (TRD)  
**Équipement électrique**  
Ballast électronique FIX/DALI (ECG/EDA)  
Câblage traversant  
Variante de l'unité de secours (1H/3H)  
**Matériels**  
Corps: polycarbonate gris injecté  
Diffusor: injecté transparent polycarbonate  
Barrette: polycarbonate  
Plaque d'installation: tôle d'acier peint en blanc  
**Accessoires**  
Supports  
Câble de suspension  
Connecteurs  
Barrette: tôle d'acier (INOX)  
Haut réflecteur supplémentaire

PHOTOMETRY



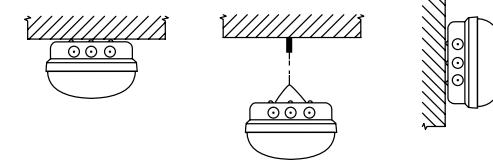
1 x

2 x



	L	Y
14 / 18 / 24 W	660	366
28 / 36 / 54 W	1270	918
35 / 49 / 58 / 80 W	1570	1220
70 W	1840	1380

MOUNTING



TYPE	OPTICAL SYSTEM		POWER (W)	LIGHT SOURCE	LAMP HOLDER	EMERGENCY UNIT		EEC	WEIGHT (kg)
	DIFFUSER	REFLECTOR				1H	3H		
TORNADO PC	•	•	1 x 18	FD	G3	•	•	A / B / C	1.3
TORNADO PC	•	•	1 x 36	FD	G3	•	•	A+ / A / B / C	2.3
TORNADO PC	•	•	1 x 58	FD	G3	•	•	A+ / A / B / C	2.6
TORNADO PC	•	•	1 x 70	FD	G3	•	•	A+ / A / B / C	3.1
TORNADO PC	•	•	1 x 14	FDH	G5	•	•	A+ / A / B	1.3
TORNADO PC	•	•	1 x 24	FDH	G5	•	•	A+ / A / B	1.3
TORNADO PC	•	•	1 x 28	FDH	G5	•	•	A+ / A / B	2.2
TORNADO PC	•	•	1 x 35	FDH	G5	•	•	A+ / A / B	2.7
TORNADO PC	•	•	1 x 49	FDH	G5	•	•	A+ / A / B	2.7
TORNADO PC	•	•	1 x 54	FDH	G5	•	•	A+ / A / B / C	2.2
TORNADO PC	•	•	1 x 80	FDH	G5	•	•	A+ / A / B / C	2.7
TORNADO PC	•	•	2 x 18	FD	G3	•	•	A / B / C	1.8
TORNADO PC	•	•	2 x 36	FD	G3	•	•	A+ / A / B / C	3.0
TORNADO PC	•	•	2 x 58	FD	G3	•	•	A+ / A / B / C	3.9
TORNADO PC	•	•	2 x 70	FD	G3	•	•	A+ / A / B / C	4.3
TORNADO PC	•	•	2 x 14	FDH	G5	•	•	A+ / A / B	1.8
TORNADO PC	•	•	2 x 24	FDH	G5	•	•	A+ / A / B	1.8
TORNADO PC	•	•	2 x 28	FDH	G5	•	•	A+ / A / B	3.1
TORNADO PC	•	•	2 x 35	FDH	G5	•	•	A+ / A / B	3.9
TORNADO PC	•	•	2 x 49	FDH	G5	•	•	A+ / A / B	3.9
TORNADO PC	•	•	2 x 54	FDH	G5	•	•	A+ / A / B / C	3.1
TORNADO PC	•	•	3 x 36	FD	G3	•	•	A+ / A / B / C	3.1
TORNADO PC	•	•	3 x 14	FDH	G5	•	•	A+ / A / B	2.0
TORNADO PC	•	•	3 x 24	FDH	G5	•	•	A+ / A / B	2.0
TORNADO PC	•	•	3 x 28	FDH	G5	•	•	A+ / A / B	3.4
TORNADO PC	•	•	3 x 35	FDH	G5	•	•	A+ / A / B	4.3

REF SYMMETRIC



REF ASYMMETRIC



POLYCARBONATE CLIP



INOX CLIP



SUS 1.25 C0/020 SUSPENSION 20



SK

**Montáž**  
Prisadené/Závesné (S/S)  
Montáž na stenu  
**Svetelný zdroj**  
Lineárna fluorescenčná žiarivka (FD/FDH)  
**Optický systém**  
Transparentný difúzor (TRD)  
**Elektrická výbava**  
Elektronický predradník FIX/DALI (ECG/EDA)  
Prieběžné vinutie  
Varianta s núdzovou jednotkou (1H/3H)  
**Material**  
Těleso: vstrekovaný šedý polykarbonát  
Diffusor: transparentný vstrekovaný polykarbonát  
Držáky: polykarbonát  
Instalačná doska: nabelo lakovaný ocelový plech  
**Príslušenstvo**  
Držáky  
Lankový záves  
Konektory  
Držáky: nerezová oceľ (INOX)  
Prídavný vrchný Reflektor

ES

**Montaje**  
Sobrepuestas en el techo/Suspendidas (S/S)  
Montaje en pared  
**Fuente luminica**  
Lámpara fluorescente lineal (FD/FDH)  
**Sistema óptico**  
Difusor transparente (TRD)  
**Cableado**  
Equipo de control electrónico FIX/DALI (ECG/EDA)  
A través de devanado  
Variante unidad de emergencia (1H/3H)  
**Material**  
Cuerpo: polycarbonato gris inyectado  
Difusor: polycarbonato inyectado transparente  
Enganches: polycarbonato  
Placa de instalación: blanco lámina de acero pintada  
**Accesorios**  
Soportes  
Cable de suspensión  
Conectores  
Enganches: acero Inoxidable (INOX)  
Reflector superior adicional

IT

**Installazione**  
A plafone/A sospensione(S/S)  
A parete  
**Sorgente luminosa**  
Lampada fluorescente lineare (FD/FDH)  
**Sistema ottico**  
Diffusore trasparente (TRD)  
**Cablaggio**  
Ballast elettronico FIX/DALI (ECG/EDA)  
Cavi passanti  
Variante unità di emergenza (1H/3H)  
**Materiali**  
Corpo: polycarbonato grigio a iniezione  
Diffusore: polycarbonato a iniettato trasparente  
Clip: polycarbonato  
Plastra di supporto: bianco lamina in acciaio verniciata  
**Accessori**  
Supporti  
Cavo di sospensione  
Connettori  
Clip: acciaio inossidabile (INOX)  
Riflettore superiore addizionale

RU

**Установка**  
Потолочная накладная/Подвесная (S/S)  
Настенная  
**Источник света**  
Трубчатая люминесцентная лампа (FD/FDH)  
**Оптическая система**  
Чистый рассеиватель (TRD)  
**Электрическое оснащение**  
Электронный аппарат FIX/DALI (ECG/EDA)  
Сквозная проводка  
блок аварийного освещения (1H/3H)  
**Материал**  
Корпус: инжектированный серый поликарбонат  
Рассеиватель: прозрачные вводы  
Защитные поликарбонат  
Монтажная пластина: окрашенная в белый цвет листовая сталь  
**Аксессуары**  
Крепления  
Тросовый подвес  
Соединители  
Защитные: нержавеющая сталь (INOX)  
Дополнительный верхний отражатель

Fast, reliable, powerful and flexible – mass production without compromise.

We have three SALVAGNINI production lines, each comprising two separate sections that communicate over a network and are interlinked with conveyors. The first sections of the production lines are the punching centres, where holes are cut in the sheet metal using any of 60 readily available punching tools. From there, the semi-finished parts are automatically passed to the second sections of the lines, the bending centres.

Here the sheet metal parts are bent according to preset programmes. Once this is done, only welding is needed to complete the housing construction, or in the case of some luminaires, the construction is completed with the folding operation of the SALVAGNINI lines.



## INSTALLATION TYPES AND DIMENSIONS OVERVIEW

MARK	RCS	PB	PV, PR, PA, PF	RCD	RCB
description	RECESSED as part of product name	determined for plasterboard ceiling	determined for T-ceiling	determined for special type of T-ceiling	determined for plasterboard ceiling
holders	yes	yes	no	no / yes	yes
dimensions	-	within tolerance	within tolerance	out of tolerance	out of tolerance
installation type	RCB	RCB	RCD	RCD	RCB
ceiling type	plasterboard	plasterboard	certain type	defined or undefined type	plasterboard

PB		tolerance comparing to basic dimensions +/- 2 mm (luminaire frame)				
mark	standard (mm)	X min.	X max.	Y min.	Y max.	dimension range
PB1	622 x 622	620	624	620	624	(620-624) x (620-624)
PB2	1222 x 622	1220	1224	620	624	(1220-1224) x (620-624)
PB3	622 x 322	620	624	320	324	(620-624) x (320-324)
PB4	1222 x 322	1220	1224	320	324	(1220-1224) x (320-324)
PB5	322 x 322	320	324	320	324	(320-324) x (320-324)
PB6	922 x 322	920	924	320	324	(920-924) x (320-324)
PB7	1522 x 322	1520	1524	320	324	(1520-1524) x (320-324)
PB8	1822 x 322	1820	1824	320	324	(1820-1824) x (320-324)

PV		tolerance comparing to basic dimensions from -2 to -5 mm (T-ceiling frame)				
mark	standard (mm)	X min.	X max.	Y min.	Y max.	dimension range
PV1	595 x 595	595	598	595	598	(595-598) x (595-598)
PV2	1195 x 595	1195	1198	595	598	(1195-1198) x (595-598)
PV3	595 x 295	595	598	295	298	(595-598) x (295-298)
PV4	1195 x 295	1195	1198	295	298	(1195-1198) x (295-298)
PV5	295 x 295	295	298	295	298	(295-298) x (295-298)
PV6	895 x 295	895	898	295	298	(895-898) x (295-298)
PV7	1495 x 295	1495	1498	295	298	(1495-1498) x (295-298)
PV8	1795 x 295	1795	1798	295	298	(1795-1798) x (295-298)

PA		tolerance comparing to basic dimensions from -2 to -5 mm (T-ceiling frame)				
mark	standard (mm)	X min.	X max.	Y min.	Y max.	dimension range
PA1	605 x 605	605	608	605	608	(605-608) x (605-608)
PA2	1215 x 605	1215	1218	605	608	(1215-1218) x (605-608)
PA3	605 x 303	605	608	300	303	(605-608) x (300-303)
PA4	1215 x 303	1215	1218	300	303	(1215-1218) x (300-303)
PA5	302,5 x 303	300	303	300	303	(300-303) x (300-303)
PA6	910 x 303	910	913	300	303	(910-913) x (300-303)
PA7	1520 x 303	1520	1523	300	303	(1520-1523) x (300-303)
PA8	1825 x 303	1825	1828	300	303	(1825-1828) x (300-303)

PR		tolerance comparing to basic dimensions from -2 to -5 mm (T-ceiling frame)				
mark	standard (mm)	X min.	X max.	Y min.	Y max.	dimension range
PR1	622 x 622	620	623	620	623	(620-623) x (620-623)
PR2	1245 x 622	1245	1248	620	623	(1245-1248) x (620-623)
PR3	622 x 310	620	623	307,5	310,5	(620-623) x (307,5-310,5)
PR4	1245 x 310	1245	1248	307,5	310,5	(1245-1248) x (307,5-310,5)
PR5	310 x 310	307,5	310,5	307,5	310,5	(307,5-310,5) x (307,5-310,5)
PR6	933 x 310	932,5	935,5	307,5	310,5	(932,5-935,5) x (307,5-310,5)
PR7	1558 x 310	1557,5	1560,5	307,5	310,5	(1557,5-1560,5) x (307,5-310,5)
PR8	1870 x 310	1870	1873	307,5	310,5	(1870-1873) x (307,5-310,5)

PF		tolerance comparing to basic dimensions from -2 to -5 mm (T-ceiling frame)				
mark	standard (mm)	X min.	X max.	Y min.	Y max.	dimension range
PF1	670 x 670	670	673	670	673	(670-673) x (670-673)
PF2	1345 x 670	1345	1348	670	673	(1345-1348) x (670-673)
PF3	670 x 333	670	673	332,5	335,5	(670-673) x (332,5-335,5)
PF4	1345 x 333	1345	1348	332,5	335,5	(1345-1348) x (332,5-335,5)
PF5	333 x 333	332,5	335,5	332,5	335,5	(332,5-335,5) x (332,5-335,5)
PF6	1008 x 333	1007,5	1010,5	332,5	335,5	(1007,5-1010,5) x (332,5-335,5)
PF7	1683 x 333	1682,5	1685,5	332,5	335,5	(1682,5-1685,5) x (332,5-335,5)
PF8	2020 x 333	2020	2023	332,5	335,5	(2020-2023) x (332,5-335,5)

The manufacturer reserves all rights to make changes in materials and components used in production of lighting fittings.

Graphic design: © Milan Mikula, Jozef Jagušák, RECO s.r.o., Prepress: RECO s.r.o., Photo: Milan Noga, RECO s.r.o.