

ASM[®]



Clever Light

For your safety.



ASM Security Ltd. started its operation in the Hungarian safety and security market in 1997. Since coming to existence the company improved continuously its products, as a result it has a wide range of products and services to offer the customers. It started to manufacture, in 2013, at its Hungarian premises, the own developed emergency Clever Light system.

Lights equipped with LEDs are energy efficient, and in case of power failure, they can provide the necessary light for people in emergency to escape for up to 3 hours. Lights can be installed variably to sidewall, ceiling and suspended ceiling, and for request, can be furnished with unique pictograms. Available with stand-alone built-in, and remote central batteries with traditional and addressable lights.

Installation of our traditional lights equipped with stand-alone batteries (Ni-Mh) hugely cost-efficient because they can be attached to the mains existing in the building. Due to their low consumption they will not induce great load to the mains. Their charging is done with a microchip, as a result quick and capacity-optimized charging can be attained that allows to fully utilize the batteries' life-term (5-6 yrs.).

Addressable systems receive power, communicate with the main unit through a one cable, (230 V AC). Due to the two-way data stream, lights can be controlled separately, or in groups, with a tablet of either an Android or a Windows 8 OS. Installation and maintenance cost can be hugely reduced and kept low due to the unique twin wire power supply, communication and control. The addressed system automatically records safety light events, and automatically controls and logs the state of devices.

The main unit (panel) of addressable lights can handle a maximum of 396 devices (99 per lines); of these panels 32 can be attached to the same system. The main unit (panel) is provided with a touch screen and capable of recording 10,000 incidents. In case of traditional lights with central batteries, maintenance is assisted with circuit monitoring. Lights can work continuous and stand-by modes, as needed.

Existing normal light systems can be transformed into intelligent ones with the aid of our addressing modules. Eulumdat type photometric data files for using with light building software (e.g. Dialux) also available. ASM Security Ltd. provides full technical assistance from design to implementation, as requested.

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Abbreviations and how to interpret codes

AM..... addressing module

CB..... central battery

MB..... main battery

AC..... alternating current control

C..... concealable

R..... circular emitting lens

F..... for corridors

Mid numbers refer to lights

0..... traditional with stand-alone battery

1..... addressable with stand-alone battery

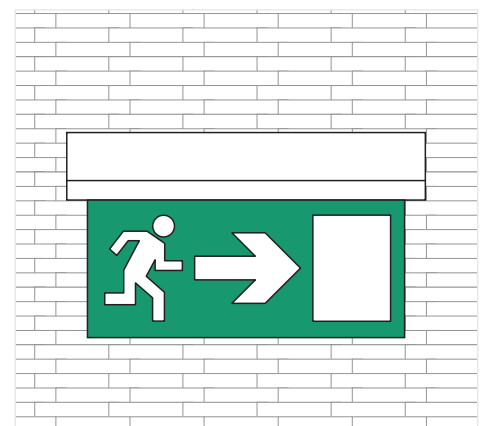
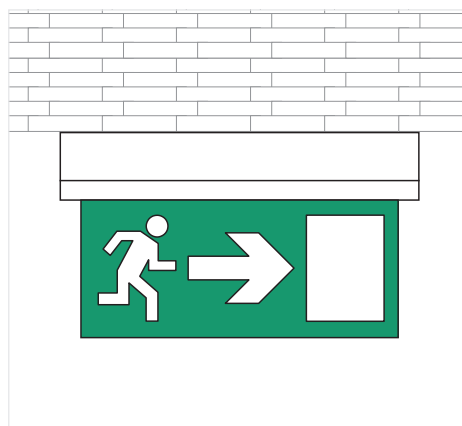
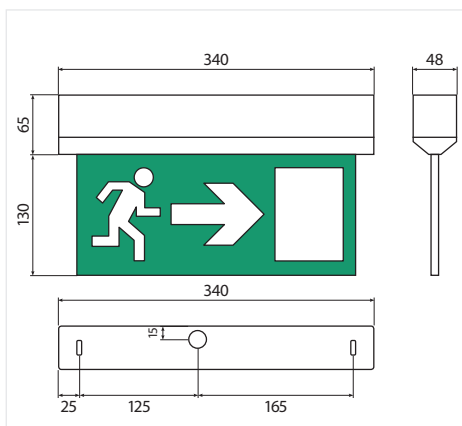
2..... addressable with central battery

3..... traditional with central battery

ASM® Clever Light CL-505/515/525/535



Traditional light is the most economical double-sided exit showing light. In view of usage they are the most versatile, recommended to be mounted both on ceilings and side-walls. With an additional rust-proof link they can be hung in larger rooms. Visually aesthetic so they can be placed almost everywhere. Due to their 25-meter recognizability range, they can be mounted on the sidewalls of works with big floor areas.



SPECIFICATIONS CL-505								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.5	25 meters	Polycarbonate/ White	Manual

SPECIFICATIONS CL-515								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.6	25 meters	Polycarbonate/ White	Automatic

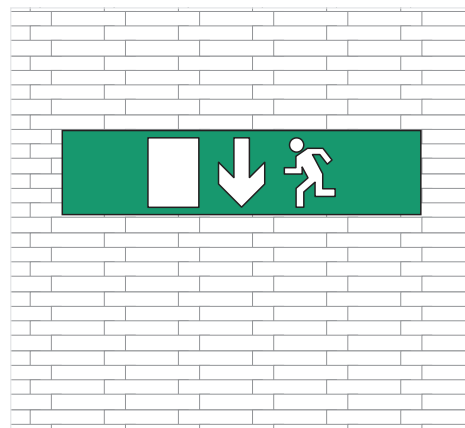
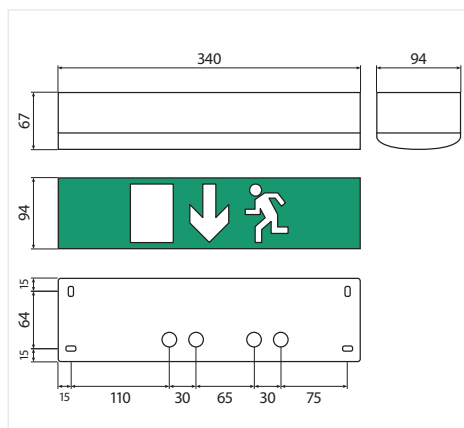
SPECIFICATIONS CL-525								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	16mA/15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.5	25 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-535								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.5	25 meters	Polycarbonate/ White	Manual

ASM[®] Clever Light CL-604/614/624/634



In its traditional form it is the cheapest light. Recommended mainly to be mounted on sidewalls. It has a smaller size pictogram, thus it is an exit showing light with a higher light emission that is primarily recommended to be used in small rooms, turns and above doors. Its IP42 protection makes applicable to industrial buildings, and engineering rooms.



SPECIFICATIONS CL-604								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.6	18 meters	Polycarbonate/ White	Manual

SPECIFICATIONS CL-614								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	18 meters	Polycarbonate/ White	Automatic

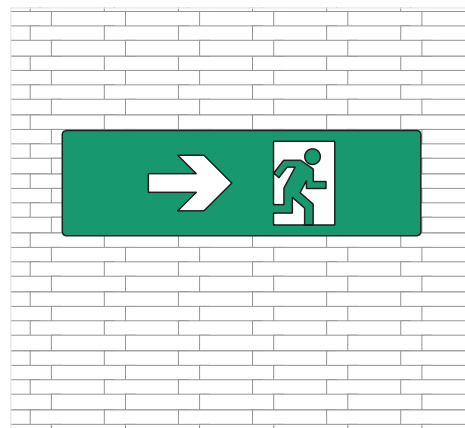
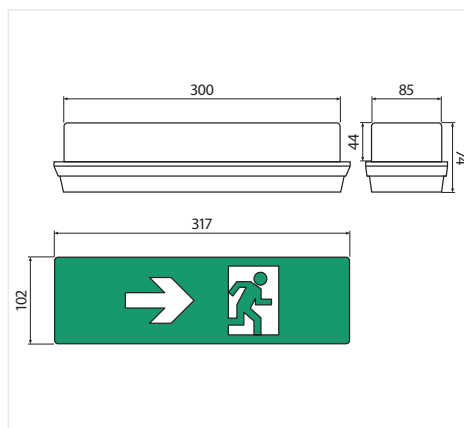
SPECIFICATIONS CL-624								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	16mA/15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.6	18 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-634								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.7	18 meters	Polycarbonate/ White	Manual

ASM[®] Clever Light CL-607/617/627/637



It can be mounted on sidewalls, protected against dust and water-spray that makes it useful for industrial surroundings and outdoors. Despite its high degree of protection, it is one of the cheapest products of its kind.



SPECIFICATIONS CL-607								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.7	17 meters	Polycarbonate/ White	Manual

SPECIFICATIONS CL-617								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	17 meters	Polycarbonate/ White	Automatic

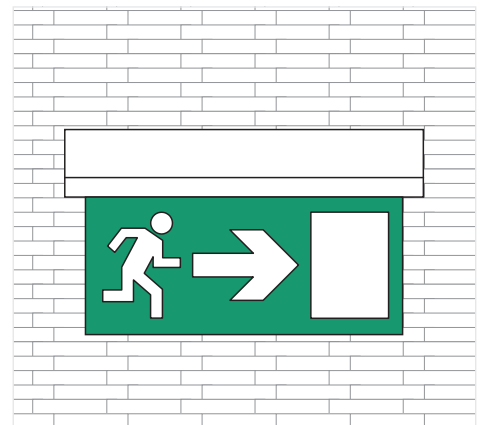
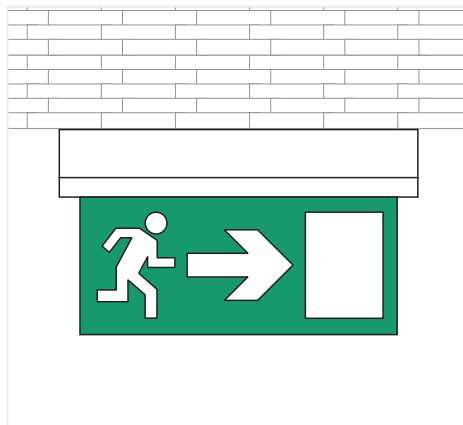
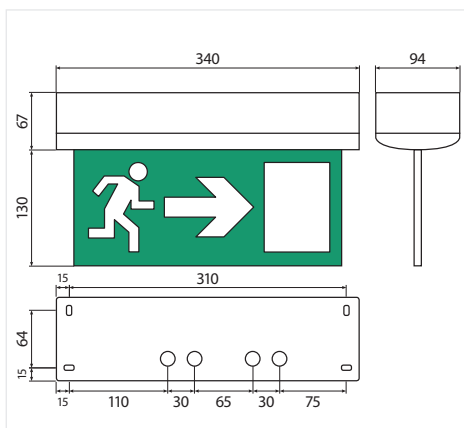
SPECIFICATIONS CL-627								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	16mA/15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	17 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-637								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	17 meters	Polycarbonate/ White	Manual

ASM[®] Clever Light CL-704/714/724/734



Double-sided exit showing light mountable on ceilings and sidewalls. Due to their 25-meter recognizability range, they can be mounted on the sidewalls of works with big floor areas.



SPECIFICATIONS CL-704								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.6	25 meters	Polycarbonate/ White	Manual

SPECIFICATIONS CL-714								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	25 meters	Polycarbonate/ White	Automatic

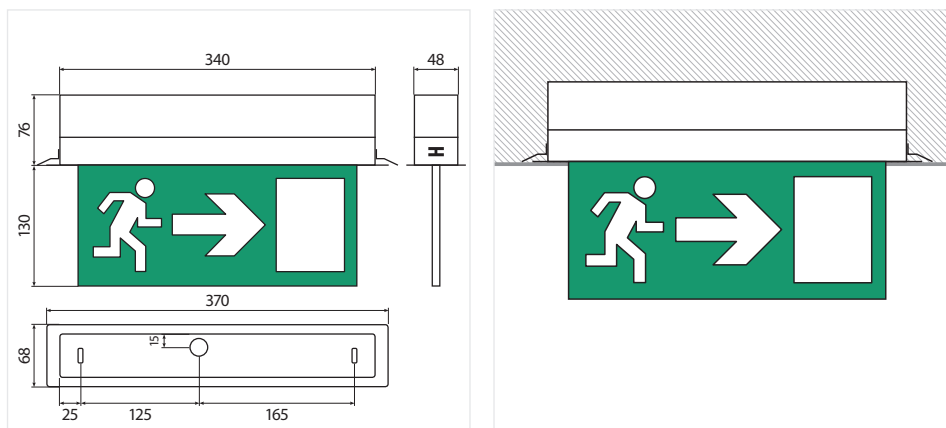
SPECIFICATIONS CL-724								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	16mA/15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.7	25 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-734								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.7	25 meters	Polycarbonate/ White	Manual

ASM[®] Clever Light CL-805/815/825/835



Exit showing light that can be mounted on fix and removable suspended ceilings. It is the least visually disturbing one, because only a thin line can be seen from the light. It can be used in any areas, even in splendid ones. It can be bought and maintained cost efficiently, it is reliable and has long life-term.



SPECIFICATIONS CL-805								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.5	25 meters	Polycarbonate/ White	Manual

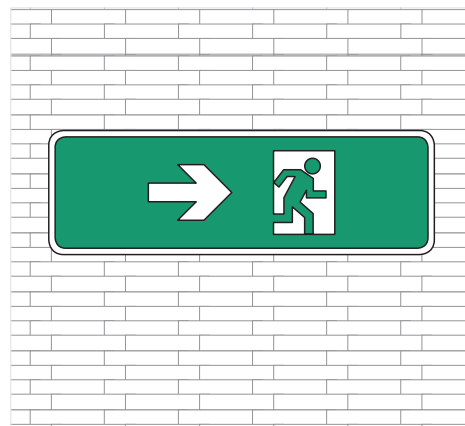
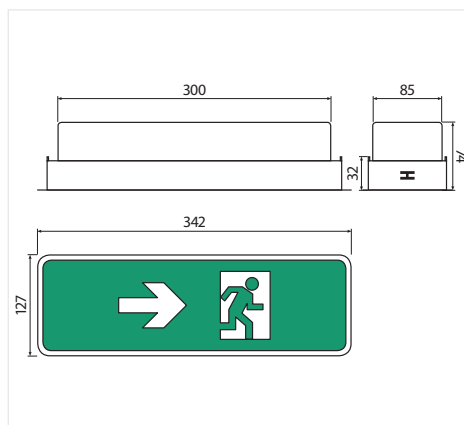
SPECIFICATIONS CL-815								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	1.1	25 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-825								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Central battery	16mA/15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.4	25 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-835								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.5	25 meters	Polycarbonate/ White	Manual



Exit showing light concealable into sidewalls and protected against dust and water spray that makes it useful for industrial surroundings and outdoors but it can be used in any areas, even in splendid ones.



SPECIFICATIONS CL-807								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.7	25 meters	Polycarbonate/ White	Manual

SPECIFICATIONS CL-817								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.9	25 meters	Polycarbonate/ White	Automatic

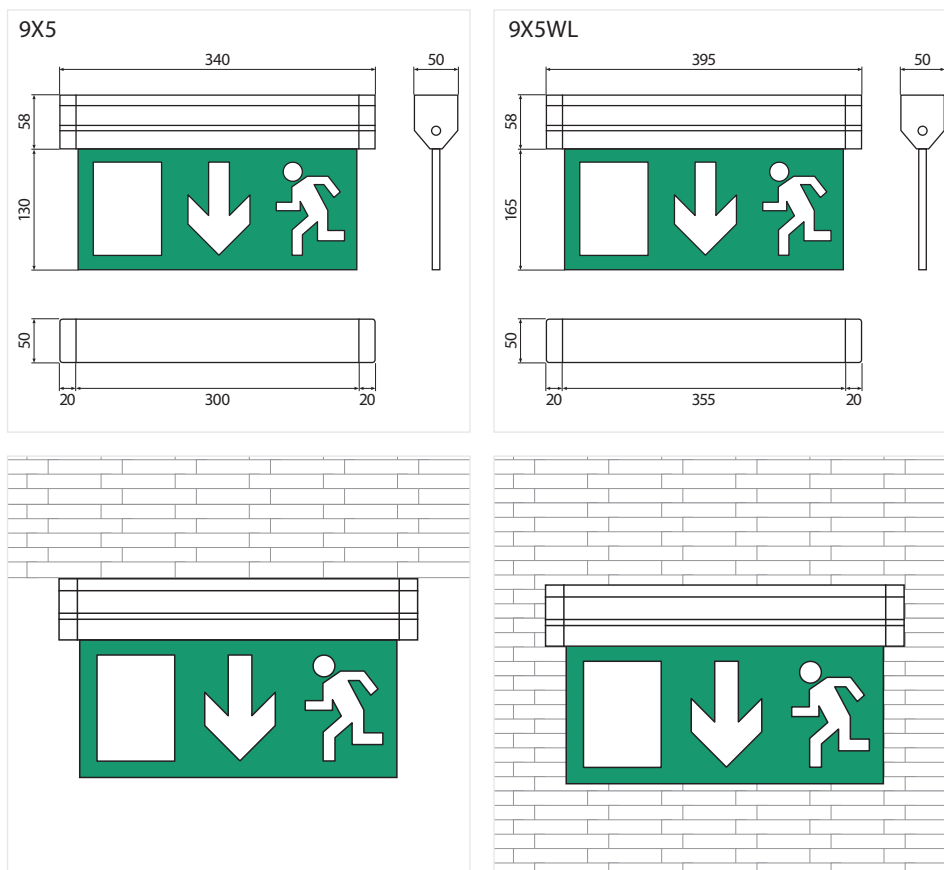
SPECIFICATIONS CL-827								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Central battery	16mA/15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	25 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-837								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	1W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	25 meters	Polycarbonate/ White	Manual

ASM® Clever Light CL-905/915/925/935



Double-sided exit showing light that can be mounted on ceilings and sidewalls. Recommended primarily for buildings with splendid interiors (hotels, offices). Available in 3 basic colors, and can be obtained in any color for surcharge. Also available in White-color and very big size: CL-9X5WL



SPECIFICATIONS CL-905								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	1.5	25 meters	Polycarbonate/ Brown/White/Gray	Manual

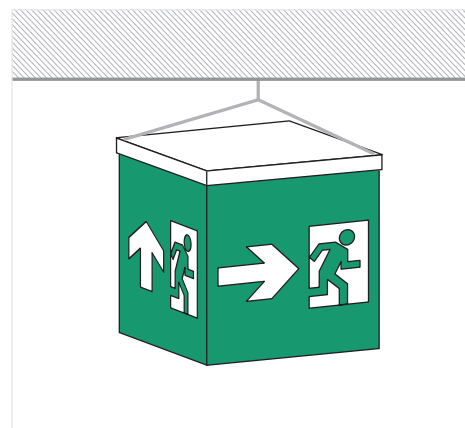
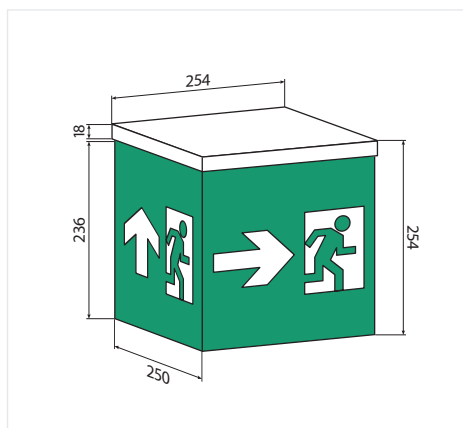
SPECIFICATIONS CL-915								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	1.6	25 meters	Polycarbonate/ Brown/White/Gray	Automatic

SPECIFICATIONS CL-925								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	16mA/15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	1.0	25 meters	Polycarbonate/ Brown/White/Gray	Automatic

SPECIFICATIONS CL-935								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	1W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	1.0	25 meters	Polycarbonate/ Brown/White/Gray	Manual



Four-sided light that can be mounted on ceilings, or be hung in areas with great ceiling heights. Due to its excellent visibility, and great recognizability range (46 m), it can be used in airports and shopping-malls. Since it can be equipped with any kind of pictogram, it can not only be used for showing exit, but for marking a gathering point, or showing other information.



SPECIFICATIONS CL-004								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Hanging	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP44	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	1.8	46 meters	Polycarbonate/ White	Manual

SPECIFICATIONS CL-014								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Hanging	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP44	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	2.0	46 meters	Polycarbonate/ White	Automatic

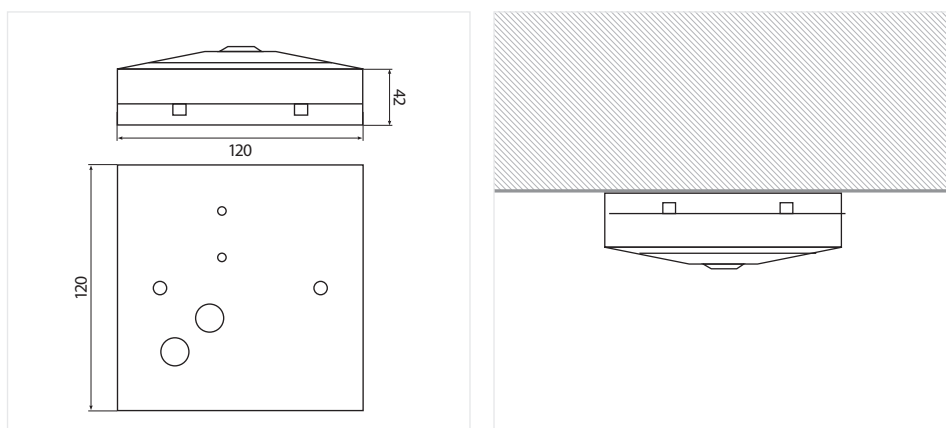
SPECIFICATIONS CL-024								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Hanging	LED/50 000 h	7W	230 VAC 50Hz	Central battery	16mA/32mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP44	CE	0°C-40°C	Yes	No	1.9	46 meters	Polycarbonate/ White	Automatic

SPECIFICATIONS CL-034								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Hanging	LED/50 000 h	7W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP44	CE	0°C-40°C	Yes	No	1.9	46 meters	Polycarbonate/ White	Manual

ASM[®] Clever Light CL-303R/F/313R/F/ 323R/F/333R/F



Safety light that can be mounted on ceilings. Can be ordered with a lens applicable for corridors, and a circular emitting lens, as needed.



SPECIFICATIONS CL-303R/F								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	15mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	Touch button	0.4	See on page 22	Polycarbonate/White	Manual

SPECIFICATIONS CL-313R/F								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	25mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.5	See on page 22	Polycarbonate/White	Automatic

SPECIFICATIONS CL-323R/F								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling	LED/50 000 h	3W	230 VAC 50Hz	Central battery	15mA/30mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.4	See on page 22	Polycarbonate/White	Automatic

SPECIFICATIONS CL-333R/F								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling	LED/50 000 h	3W	230 VAC 50Hz	Central battery	15mA/30mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.4	See on page 22	Polycarbonate/White	Manual

CL-303R/CL-313R		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	3.1	14.5	3.1	14.5	7.1	17.4	7.1	17.4	
3	3.1	13.5	3.1	13.5	6.7	19.3	6.7	19.3	
4	3.1	8.6	3.1	8.6	4.4	19.5	4.4	19.5	
5	2.2	7.9	2.2	7.9	4.6	12.6	4.6	12.6	

CL-303F/CL-313F		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	2.8	7.1	4.6	11.4	3.6	8.7	5.7	13.2	
3	2.9	7.6	5.1	12.5	3.8	9.4	6.3	15	
4	3	8.1	5.8	14	4.1	10.6	7.1	17.4	
5	3	8.3	6.4	15.6	4.2	11.2	7.8	19.2	

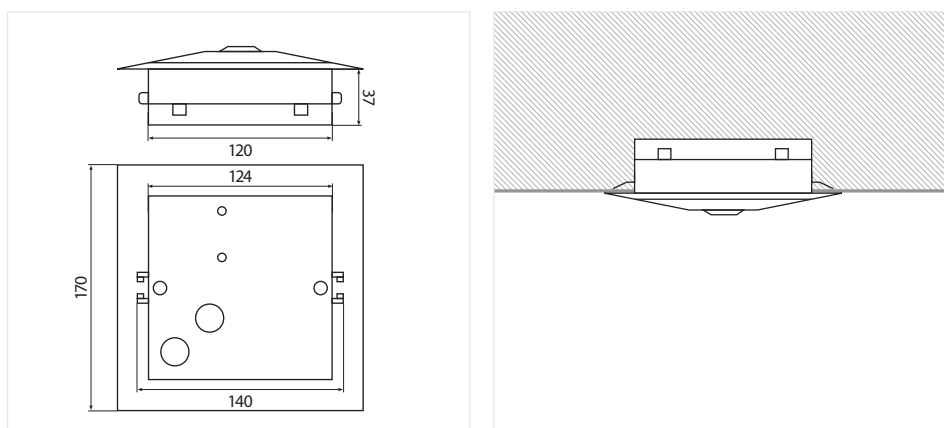
CL-323R/CL-333R		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	4.9	13	4.9	13	6.6	15.9	6.6	15.9	
3	5	13.4	5	13.4	6.8	17.2	6.8	17.2	
4	4.9	14	4.9	14	7.1	19	7.1	19	
5	3.4	14	3.4	14	7.2	19.3	7.2	19.3	

CL-323F/CL-333F		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	3.1	7.8	5.5	12.6	3.9	9.1	6.3	14.1	
3	3.3	8.3	6.2	14.2	4.2	10.2	7.1	16.2	
4	3.4	9.1	7.4	17.2	4.6	11.6	8.6	19.4	
5	3.7	9.5	8.4	19.7	4.8	12.4	9.8	22.4	

Clever Light 303RC/FC/313RC/FC/ 323RC/FC/333RC/FC



Safety light concealable to ceilings. It can be used in any areas, even in splendid ones. Can be ordered with a lens applicable for corridors, and a circular emitting lens, as needed.



SPECIFICATIONS CL-303RC/FC

Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	15mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	Touch button	0.4	See on page 25	Polycarbonate/ White	Manual

SPECIFICATIONS CL-313RC/FC









Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	25mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.6	See on page 25	Polycarbonate/ White	Automatic









SPECIFICATIONS CL-323RC/FC









Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	3W	230 VAC 50Hz	Central battery	15mA/30mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.4	See on page 25	Polycarbonate/ White	Automatic









SPECIFICATIONS CL-333RC/FC

Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	3W	230 VAC 50Hz	Central battery	15mA/30mA	Standby	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.4	See on page 25	Polycarbonate/ White	Manual

CL-303RC/CL-313RC		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	3.1	14.5	3.1	14.5	7.1	17.4	7.1	17.4	
3	3.1	13.5	3.1	13.5	6.7	19.3	6.7	19.3	
4	3.1	8.6	3.1	8.6	4.4	19.5	4.4	19.5	
5	2.2	7.9	2.2	7.9	4.6	12.6	4.6	12.6	

CL-303FC/CL-313FC		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	2.8	7.1	4.6	11.4	3.6	8.7	5.7	13.2	
3	2.9	7.6	5.1	12.5	3.8	9.4	6.3	15	
4	3	8.1	5.8	14	4.1	10.6	7.1	17.4	
5	3	8.3	6.4	15.6	4.2	11.2	7.8	19.2	

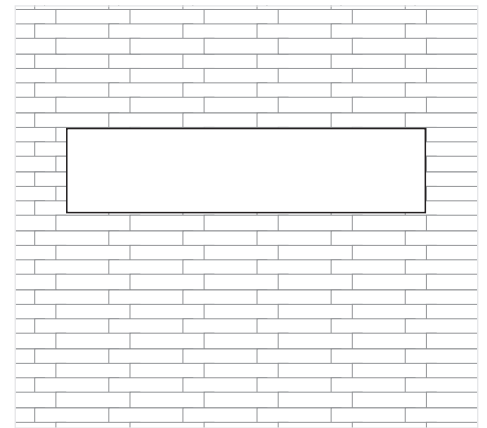
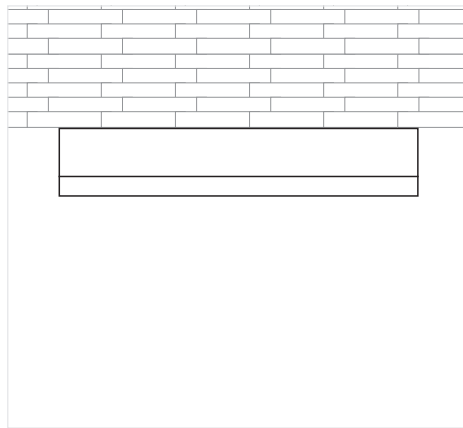
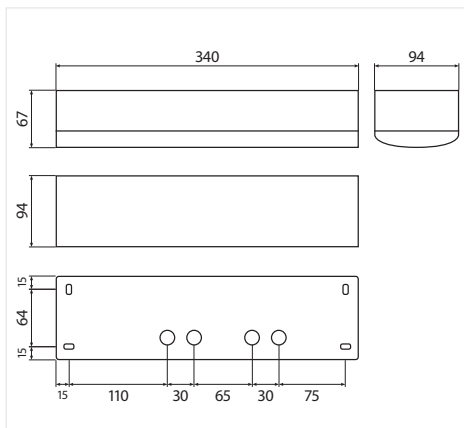
CL-323RC/CL-333RC		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	4.9	13	4.9	13	6.6	15.9	6.6	15.9	
3	5	13.4	5	13.4	6.8	17.2	6.8	17.2	
4	4.9	14	4.9	14	7.1	19	7.1	19	
5	3.4	14	3.4	14	7.2	19.3	7.2	19.3	

CL-323FC/CL-333FC		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	3.1	7.8	5.5	12.6	3.9	9.1	6.3	14.1	
3	3.3	8.3	6.2	14.2	4.2	10.2	7.1	16.2	
4	3.4	9.1	7.4	17.2	4.6	11.6	8.6	19.4	
5	3.7	9.5	8.4	19.7	4.8	12.4	9.8	22.4	









ASM[®] Clever Light CL-605/615/625/635



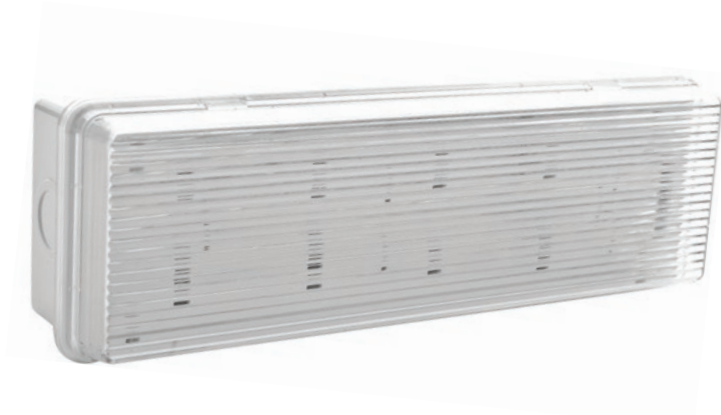
Safety light mountable on ceilings and sidewalls. Its fixed-focus lens variety can be bought with a stand-alone battery that can be used to 15-meter height: CL-605/F-15M and CL-615/F-15M.



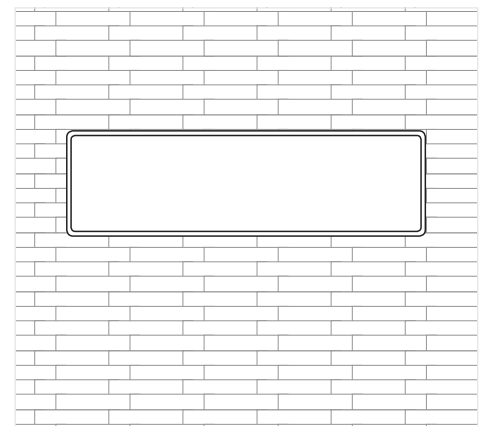
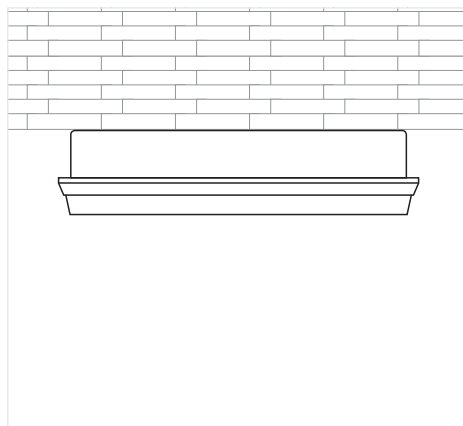
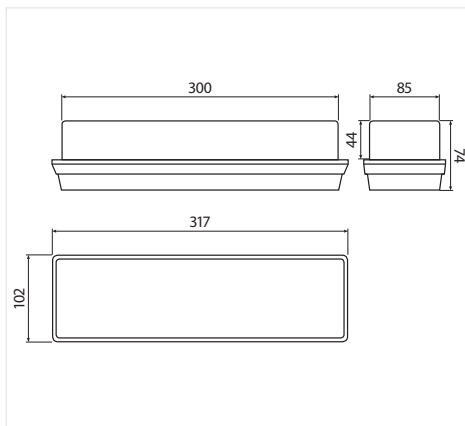
CL-605/CL-615	Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	5	12.15	4.85	11.75	6.15	14.5	5.95	14
3	5.35	13.1	5.25	12.8	6.65	16.1	6.45	15.55
4	5.8	14.6	5.7	14.4	7.4	18.2	7.25	17.75
6	6.1	16.4	6.1	16.5	8.3	21.4	8.35	20.75
8	5.8	17	5.8	17.1	8.6	22.8	8.75	22.75
10	4.6	16.7	4.6	16.9	8.6	23.6	8.75	23.75

SPECIFICATIONS CL-605								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Conventional	On ceiling or sidewall	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	15mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.6	See on page 26	Polycarbonate/gray	Manual
SPECIFICATIONS CL-615								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	See on page 26	Polycarbonate/gray	Automatic
SPECIFICATIONS CL-625								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	7W	230 VAC 50Hz	Central battery	16mA/32mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.7	See on page 27	Polycarbonate/gray	Automatic
SPECIFICATIONS CL-635								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Conventional	On ceiling or sidewall	LED/50 000 h	7W	230 VAC 50Hz	Central battery	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP20	CE	0°C-40°C	Yes	No	0.7	See on page 27	Polycarbonate/gray	Manual
CL-625/CL-635		Escape route 2 m wide 1 lux min			Open (anti-panic) area 0.5 lux min			
Mounting height (m)								
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
3	5.8	14	5.6	13.4	7	16.6	6.8	16
6	7.5	19	7.5	18.6	9.7	23.2	9.5	22.6
10	7.9	22	7.8	21.8	10.9	28.4	10.8	27.8
15	4.6	20.8	4.5	20.8	4.6	30.4	10.5	30.8

ASM[®] Clever Light CL-602/612/632



Safety light mountable on ceilings and sidewalls, protected against dust and water spray that makes it useful for industrial surroundings and outdoors.



Mounting height (m)	CL-602/CL-612				CL-632			
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	3.4	8.7	2.85	7.15	4.4	10	3.65	8.75
3	3.55	9.25	3.1	7.6	4.7	11.7	3.85	9.55
4	3.6	10	3.15	8.2	5	13	4.15	10.55
6	3.15	9.85	3.2	8.8	4.95	14.35	4.45	11.65
8	1.4	8.75	1.2	8.9	4.6	14.25	4.6	12.4
10	1	4	0.3	5.4	3.4	13	3.3	12.4

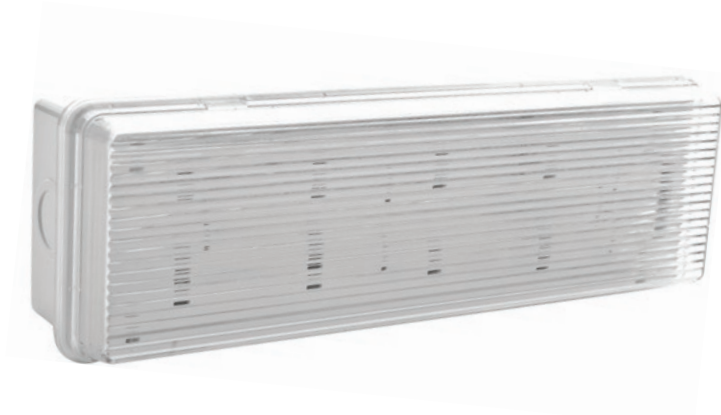
SPECIFICATIONS CL-602								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	2W	230 VAC 50Hz	Ni-Mh	15mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.7	See on page 28	Polycarbonate/White	Manual

SPECIFICATIONS CL-612								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	2W	230 VAC 50Hz	Ni-Mh	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	See on page 28	Polycarbonate/White	Automatic

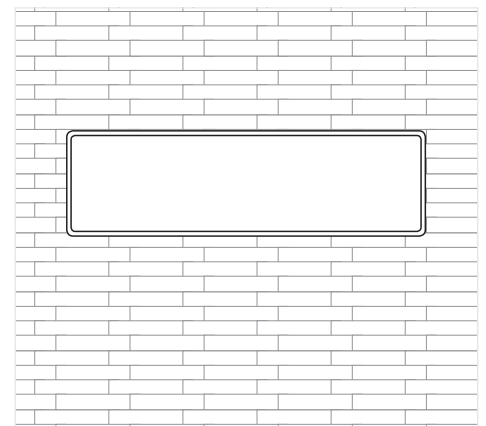
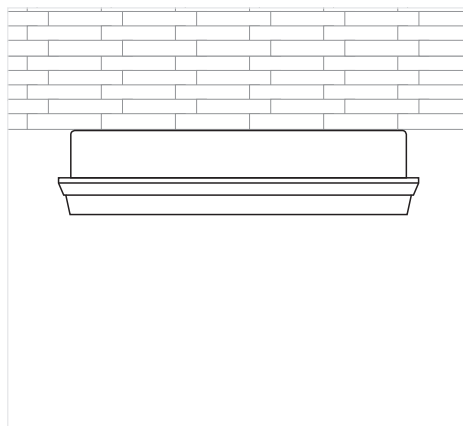
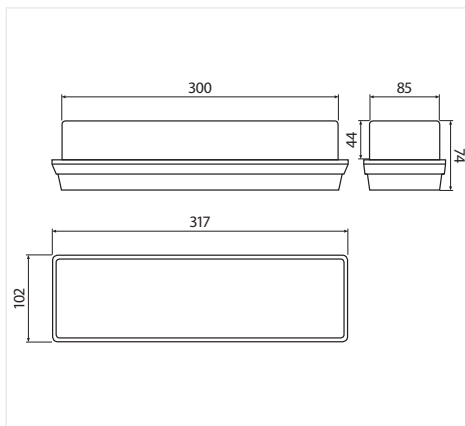
SPECIFICATIONS CL-632								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	2W	230 VAC 50Hz	Central battery	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	See on page 29	Polycarbonate/White	Manual

CL-632	Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)								
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial

ASM[®] Clever Light CL-603/613/633



Safety light mountable on ceilings and sidewalls, protected against dust and water spray that makes it useful for industrial surroundings and outdoors.



Mounting height (m)	CL-603/CL-613				CL-633			
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	3.8	9.55	3.25	7.9	4.8	11.8	4	9.65
3	4.05	10.3	3.5	8.5	5.2	12.8	4.3	10.55
4	4.25	11.3	3.7	9.3	5.75	14.5	4.75	11.8
6	4.1	12	3.85	10.3	6.1	16.5	5.25	13.3
8	3.2	11.8	3.3	10.7	6	17.2	5.5	14.3
10	1.2	10	0.7	10.5	5.2	17	5.5	17.7

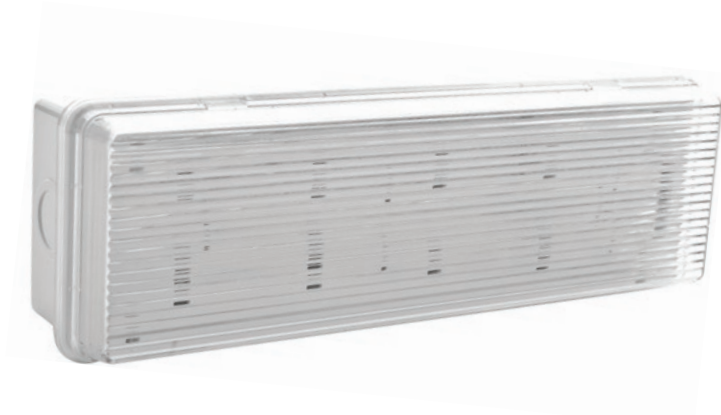
SPECIFICATIONS CL-603								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	15mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.7	See on page 30	Polycarbonate/White	Manual

SPECIFICATIONS CL-613								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	See on page 30	Polycarbonate/White	Automatic

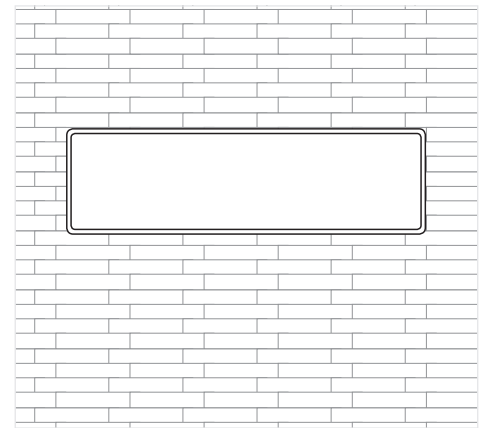
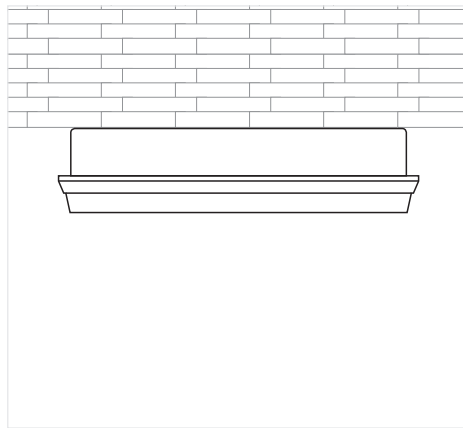
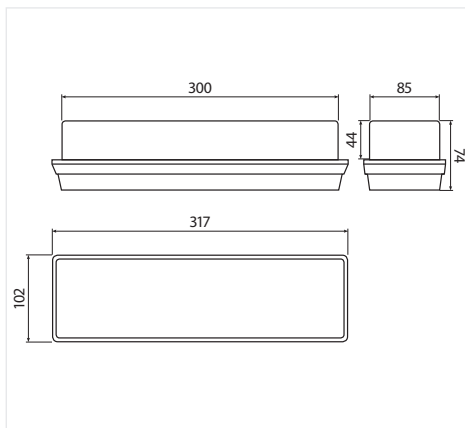
SPECIFICATIONS CL-633								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	3W	230 VAC 50Hz	Central battery	15mA/30mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.6	See on page 31	Polycarbonate/White	Manual

Mounting height (m)	CL-633				Open (anti-panic) area 0.5 lux min			
	Escape route 2 m wide 1 lux min							
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial









ASM[®] Clever Light CL-606/616/626/636



Safety light mountable on ceilings and sidewalls, protected against dust and water spray that makes it useful for industrial surroundings and outdoors.



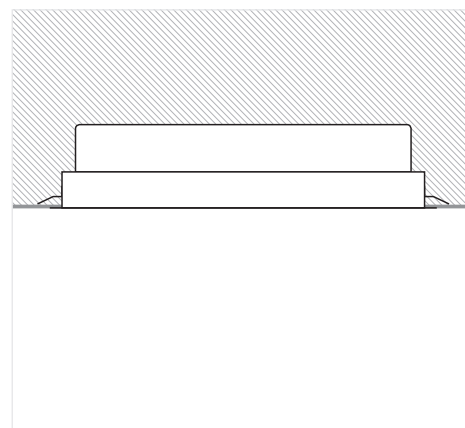
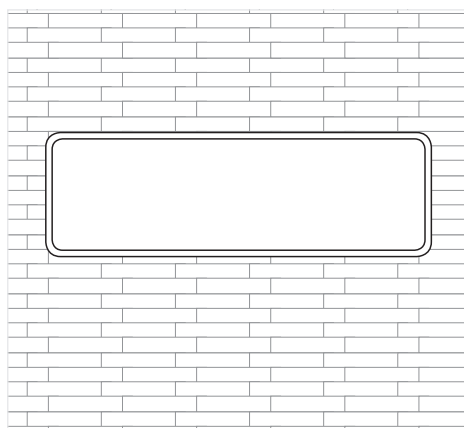
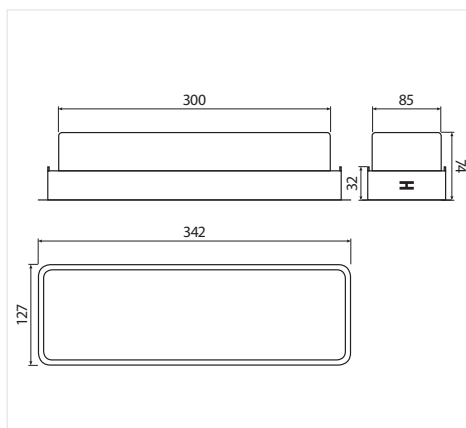
Mounting height (m)	CL-606/CL-616				CL-626/CL-636			
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	5	12	4.4	10.8	6.05	15.75	5.5	13.25
3	5.4	13	4.6	11.4	6.55	16	5.8	14.2
4	5.9	14.65	5	12.65	7.4	17.95	6.4	16
6	5.55	15.9	5.4	14.15	8.4	21.45	7.2	18
8	5.8	15.2	5.5	14.9	7.8	23	7.7	19.8
10	3.8	16	5	15.6	8.5	21	8	20.6

SPECIFICATIONS CL-606								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	15mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.7	See on page 32	Polycarbonate/White	Manual
SPECIFICATIONS CL-616								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	See on page 32	Polycarbonate/White	Automatic
SPECIFICATIONS CL-626								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	7W	230 VAC 50Hz	Central battery	16mA/32mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	See on page 33	Polycarbonate/White	Automatic
SPECIFICATIONS CL-636								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	7W	230 VAC 50Hz	Central battery	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	See on page 33	Polycarbonate/White	Manual
CL-626/CL-636		Escape route 2 m wide 1 lux min			Open (anti-panic) area 0.5 lux min			
Mounting height (m)								
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
3	5.5	13.6	4.7	11.2	6.9	18.6	5.6	13.6
6	7.9	19	5.9	14.8	9.6	22.2	7.5	18.6
10	7.5	17.6	6.4	17	9	29.6	8.6	22
15	5.3	14.6	2	18	8.7	25.8	9.2	24.2

ASM[®] Clever Light CL-802/812/832



Safety light concealable to ceilings and sidewalls, protected against dust and water spray that makes it useful for industrial surroundings and outdoors but it can be used in any areas, even in splendid ones.











CL-802/CL-812	Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	3.4	8.7	2.85	7.15	4.4	10	3.65	8.75
3	3.55	9.25	3.1	7.6	4.7	11.7	3.85	9.55
4	3.6	10	3.15	8.2	5	13	4.15	10.55
6	3.15	9.85	3.2	8.8	4.95	14.35	4.45	11.65
8	1.4	8.75	1.2	8.9	4.6	14.25	4.6	12.4
10	1	4	0.3	5.4	3.4	13	3.3	12.4

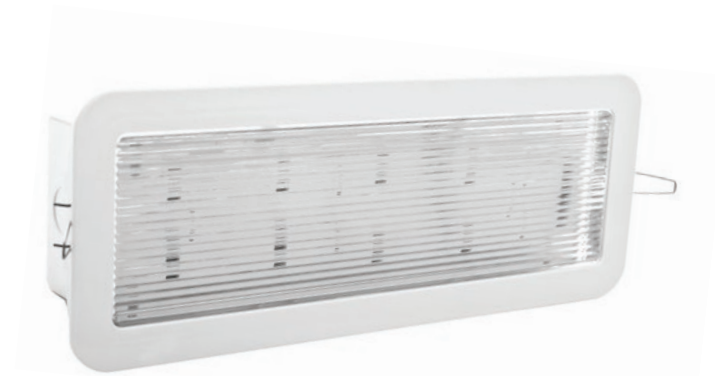
SPECIFICATIONS CL-802								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	2W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.7	See on page 34	Polycarbonate/ White	Manual

SPECIFICATIONS CL-812								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	2W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.9	See on page 34	Polycarbonate/ White	Automatic

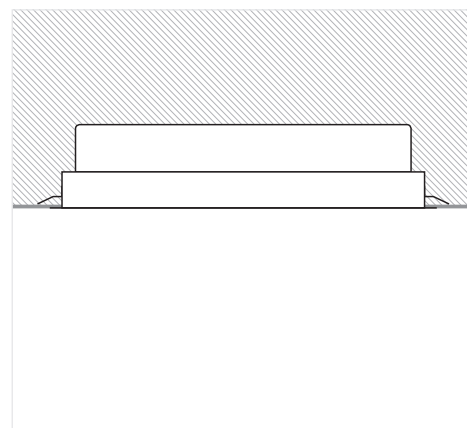
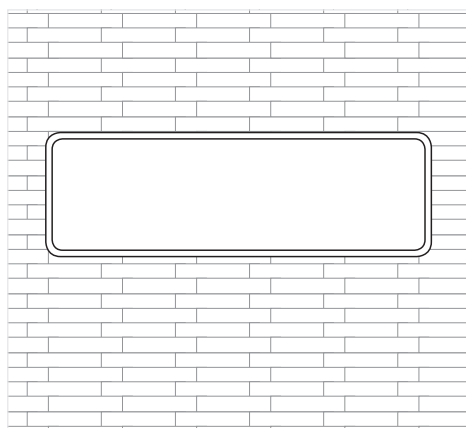
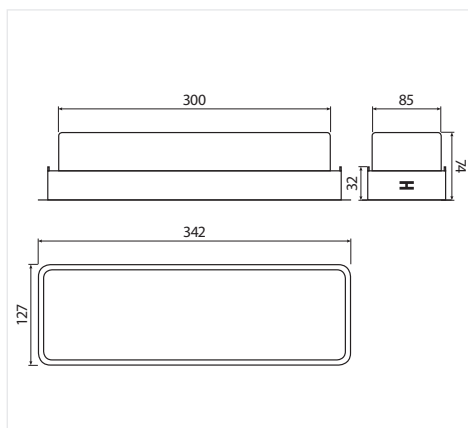
SPECIFICATIONS CL-832								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	2W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	See on page 35	Polycarbonate/ White	Manual

CL-832	Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)								
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial

ASM[®] Clever Light CL-803/813/833



Safety light concealable to ceilings and sidewalls, protected against dust and water spray that makes it useful for industrial surroundings and outdoors but it can be used in any areas, even in splendid ones.











Mounting height (m)	CL-803/CL-813				CL-833			
	Escape route 2 m wide 1 lux min		Escape route 2 m wide 1 lux min		Open (anti-panic) area 0.5 lux min		Open (anti-panic) area 0.5 lux min	
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	3.8	9.55	3.25	7.9	4.8	11.8	4	9.65
3	4.05	10.3	3.5	8.5	5.2	12.8	4.3	10.55
4	4.25	11.3	3.7	9.3	5.75	14.5	4.75	11.8
6	4.1	12	3.85	10.3	6.1	16.5	5.25	13.3
8	3.2	11.8	3.3	10.7	6	17.2	5.5	14.3
10	1.2	10	0.7	10.5	5.2	17	5.5	17.7

SPECIFICATIONS CL-803								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.7	See on page 36	Polycarbonate/ White	Manual

SPECIFICATIONS CL-813								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI- TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.9	See on page 36	Polycarbonate/ White	Automatic

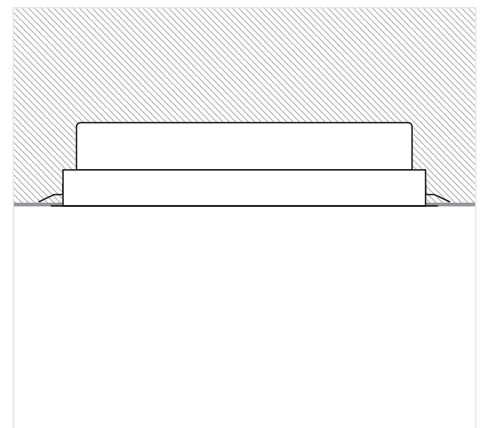
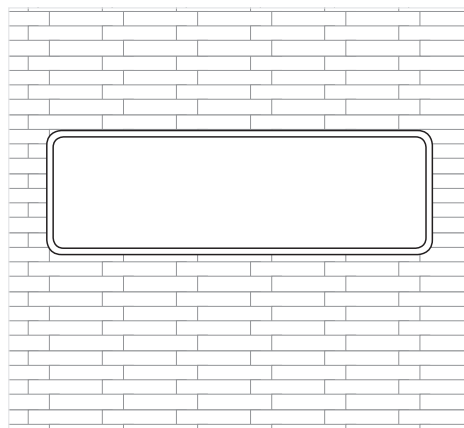
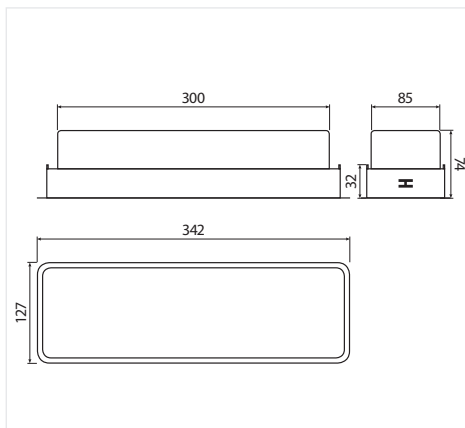
SPECIFICATIONS CL-833								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	3W	230 VAC 50Hz	Central battery	15mA/30mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	See on page 37	Polycarbonate/ White	Manual

CL-833	Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)								
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial









ASM[®] Clever Light CL-806/816/826/836



Safety light concealable to ceilings and sidewalls, protected against dust and water spray that makes it useful for industrial surroundings and outdoors but it can be used in any areas, even in splendid ones.



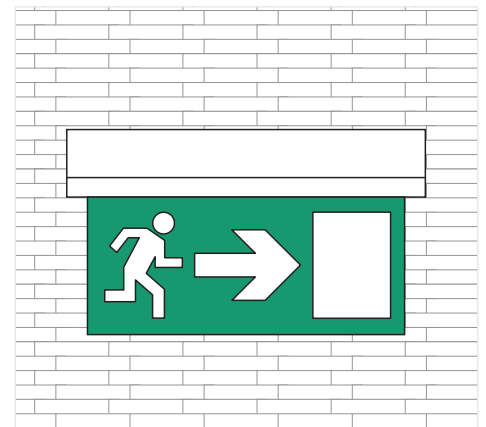
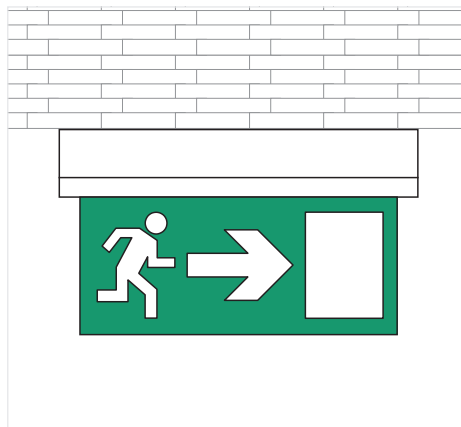
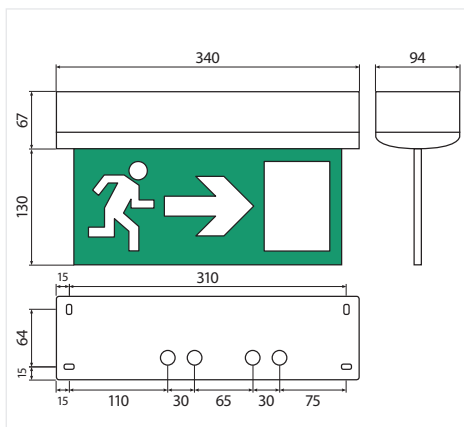
CL-806/CL-816	Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	5	12	4.4	10.8	6.05	15.75	5.5	13.25
3	5.4	13	4.6	11.4	6.55	16	5.8	14.2
4	5.9	14.65	5	12.65	7.4	17.95	6.4	16
6	5.55	15.9	5.4	14.15	8.4	21.45	7.2	18
8	5.8	15.2	5.5	14.9	7.8	23	7.7	19.8
10	3.8	16	5	15.6	8.5	21	8	20.6

SPECIFICATIONS CL-806								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	15mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.8	See on page 38	Polycarbonate/ White	Manual
SPECIFICATIONS CL-816								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.9	See on page 38	Polycarbonate/ White	Automatic
SPECIFICATIONS CL-826								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	Concealable	LED/50 000 h	7W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	See on page 39	Polycarbonate/ White	Automatic
SPECIFICATIONS CL-836								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	Concealable	LED/50 000 h	7W	230 VAC 50Hz	Central battery	25mA	Standby/ Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP65	CE	0°C-40°C	Yes	No	0.7	See on page 39	Polycarbonate/ White	Manual
CL-826/CL-836		Escape route 2 m wide 1 lux min			Open (anti-panic) area 0.5 lux min			
Mounting height (m)								
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
3	5.5	13.6	4.7	11.2	6.9	18.6	5.6	13.6
6	7.9	19	5.9	14.8	9.6	22.2	7.5	18.6
10	7.5	17.6	6.4	17	9	29.6	8.6	22
15	5.3	14.6	2	18	8.7	25.8	9.2	24.2

ASM® Clever Light CL-702/712/732



Double-sided exit showing safety light that can be mounted on ceilings and sidewalls. Beside lighting pictogram, it is also illuminating escape route, thus it combine the functions of an exit showing sign and safety light.



CL-702/CL-712		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	3.5	8.8	3.55	8.7	4.5	11.4	4.45	10.55	
3	3.6	9.3	3.8	0.6	4.7	12.1	4.75	11.5	
4	3.6	9.8	4	10.5	5	13	5.35	13.1	
6	2.5	9.6	3.4	11.2	5	14	5.75	15.1	
8	0.9	7.1	-	-	3.75	13.6	5.25	16.1	
10	0.3	2.3	-	-	2.15	11.8	3.75	15.1	

SPECIFICATIONS CL-702								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	2W	230 VAC 50Hz	Ni-Mh	15mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.9	25 meters	Polycarbonate/White	Manual

SPECIFICATIONS CL-712								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	2W	230 VAC 50Hz	Ni-Mh	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	1.1	25 meters	Polycarbonate/White	Automatic

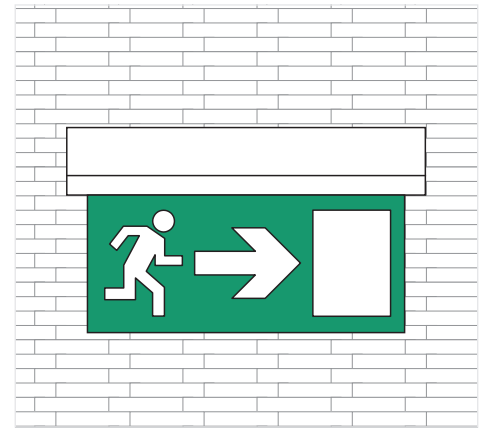
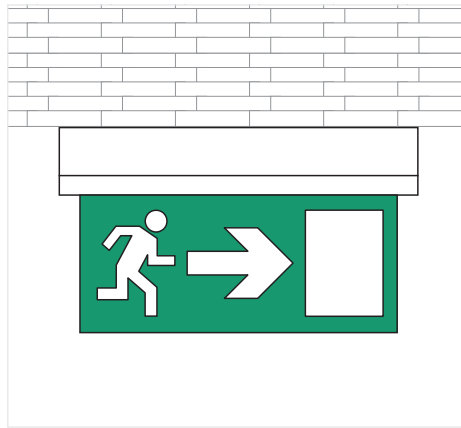
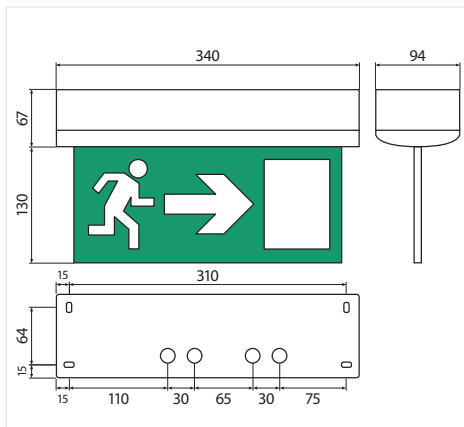
SPECIFICATIONS CL-732								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	2W	230 VAC 50Hz	Central battery	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.5	25 meters	Polycarbonate/White	Manual

Mounting height (m)	CL-732				Open (anti-panic) area 0.5 lux min			
	Escape route 2 m wide 1 lux min							
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial

ASM[®] Clever Light CL-703/713/733



Double-sided exit showing safety light that can be mounted on ceilings and sidewalls. Beside lighting pictogram, it is also illuminating escape route, thus it combine the functions of an exit showing sign and safety light.



CL-703/CL-713		Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
Mounting height (m)									
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	
2.5	4	9.9	4	9.7	5.1	12.5	4.9	11.7	
3	4.2	10.5	4.3	10.6	5.4	13.4	5.3	12.7	
4	4.2	11.3	4.75	11.9	5.8	14.5	6	14.7	
6	3.6	11.6	4.7	13.5	6	15.9	6.8	17.4	
8	1.9	10.1	3.7	13.4	5.5	16.3	6.82	19	
10	0.8	6.6	-	-	4	15.3	6	19.6	

SPECIFICATIONS CL-703								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	15mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.9	25 meters	Polycarbonate/White	Manual

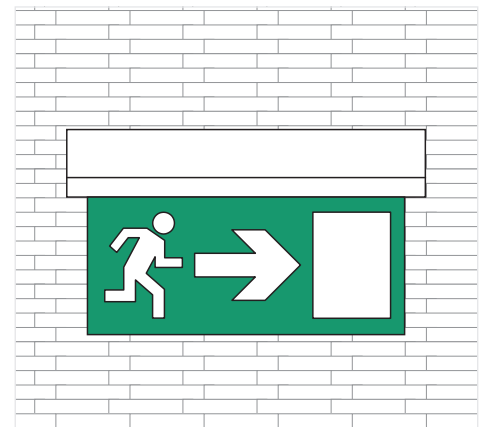
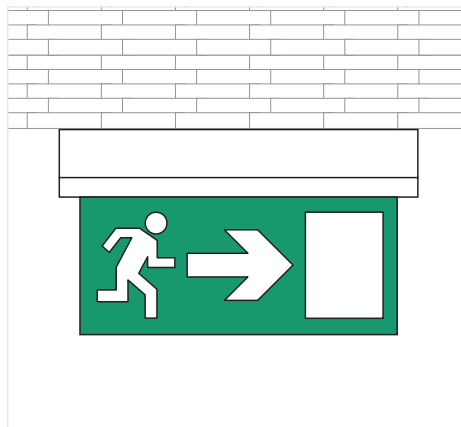
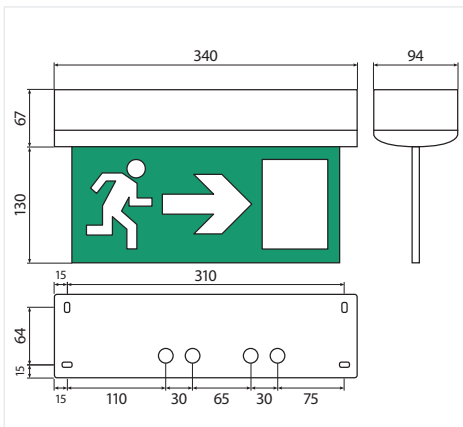
SPECIFICATIONS CL-713								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	3W	230 VAC 50Hz	Ni-Mh	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	25 meters	Polycarbonate/White	Automatic

SPECIFICATIONS CL-733								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	3W	230 VAC 50Hz	Central battery	15mA/30mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.7	25 meters	Polycarbonate/White	Manual

Mounting height (m)	CL-733				Open (anti-panic) area 0.5 lux min			
	Escape route 2 m wide 1 lux min							
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial



Double-sided exit showing safety light that can be mounted on ceilings and sidewalls. Beside lighting pictogram, it is also illuminating escape route, thus it combine the functions of an exit showing sign and safety light.



CL-705/CL-715		Escape route 2 m wide 1 lux min			Open (anti-panic) area 0.5 lux min			
Mounting height (m)								
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
2.5	5.1	12.6	4.8	11.6	6.4	15.6	5.8	13.9
3	5.4	13.4	5.2	12.6	6.8	16.8	6.4	15.1
4	5.7	14.8	5.7	14.2	7.5	18.8	7.15	17.5
6	5.7	16	6.1	16.3	8.1	21.4	8.3	20.6
8	4.7	15.8	5.8	16.9	8.1	22.6	8.6	22.6
10	2.9	14.2	4.6	16.9	7.1	22.6	8.8	23.6

SPECIFICATIONS CL-705								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Traditional	On ceiling or sidewall	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	15mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	Yes	0.9	25 meters	Polycarbonate/White	Manual

SPECIFICATIONS CL-715								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	6W	230 VAC 50Hz	Ni-Mh	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	EMI-TÜV,TÜV,CE,EMC	0°C-40°C	Yes	No	0.8	25 meters	Polycarbonate/White	Automatic

SPECIFICATIONS CL-725								
Luminaire	Mounting method	Lighting source	Lighting power	Mains supply	Battery	Input current	Operation	Standby duration
Addressable	On ceiling or sidewall	LED/50 000 h	7W	230 VAC 50Hz	Central battery	25mA	Standby/Permanent	1-3h
Protection category	Certificates	Operation temperature	Control LED	Control button	Weight (kg)	Visibility	Body	Method of checking
IP42	CE	0°C-40°C	Yes	No	0.7	25 meters	Polycarbonate/White	Automatic

Mounting height (m)	CL-725				Escape route 2 m wide 1 lux min				Open (anti-panic) area 0.5 lux min			
	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial	Transverse to wall	Transverse to transverse	Axial to wall	Axial to Axial
3	6.4	15.8	5.4	12.8	8	19.6	6.5	15.4	8	19.6	6.5	15.4
6	7.3	19.4	6.7	17.2	10	25.4	8.7	21.2	10	25.4	8.7	21.2
10	6.4	20	6.3	19	10.4	28	9.7	25.6	10.4	28	9.7	25.6
15	1.8	15.6	1.1	16.6	8.3	27.6	8.7	26.6	8.3	27.6	8.7	26.6



CLEVER LIGHT ADDRESSABLE EMERGENCY LIGHTING PANEL CL-100/MB/CB, CL-200/MB/CB, CL-300/MB/CB, CL-400/MB/CB

Number of devices	Voltage Range	Communication	Communication	Network	Luminaire control	Web server function	Store events
100/200/300/400 pcs. devices (100 devices per line)	230 VAC	230V line communication (ASM BUS)	UDP, MODBUS communications	TCP/IP network	The luminaires can be controlled individually	Status and event display on the website	10 000 events / panel
Gateway management	Software	Menu	Compatibility	Input	Output	Battery	Ingress protection / IP
32 panels per system	Graphics software	Multi language menu, Touch monitor	Different inputs and outputs provide	2 optical inputs, 2 Pt1000/ Nt10k/0..10V input	4 relay output	Intelligent battery monitoring/ charging	44

Clever Light UPS



UPS dimensions (mm)	Power (kW)	Operating hours	Battery compartment code	Battery compartment dimensions (mm)	Number of compartments	Battery compartment weight (kg)	Number of batteries	Battery Ah number	Separate charger	Charger
SPECIFICATIONS CL-6K										
260x708x560	1	1 hour	-	-	0	-	20	7	No	1,4A
SPECIFICATIONS CL-6KS										
260x708x560	1	3 hours	CL-409	260x570x717	1	133+83	40	9	Yes internal, enlarged, A4	4A
SPECIFICATIONS CL-6K										
260x708x560	2	1 hour	CL-209	260x570x717	1	83	20+20	7 and 9	No	1,4
SPECIFICATIONS CL-6K-KS										
260x708x560	2	3 hours	2x CL-409 + CL-209	3 X (260x570x717)	3	3 x 133	100	9	Yes internal, enlarged, A4	4A
SPECIFICATIONS CL-6K-KS										
260x708x560	3	1 hour	CL-409 + CL-209	2 X (260x570x717)	2	133+83	60	9	Yes internal, enlarged, A4	4A
SPECIFICATIONS CL-6K-KS										
260x708x560	3	3 hours	Suitable for 40 batteries x 26Ah	860x800x1900	1	510	40	26	External charger in box (240Vdc 8A) for CL-6/10K-11	8A
SPECIFICATIONS CL-10K-KS										
260x570x717	5	1 hour	Suitable for 40 batteries x 42Ah	650x750x1600	1	150	40	26	External charger in box (240Vdc 8A) for CL-6/10K-11	8A
SPECIFICATIONS CL-10K-KS										
260x570x717	5	3 hours	Suitable for 40 batteries x 42Ah	650x750x1600	1	150	40	45	External charger in box (240Vdc 8A) for CL-6/10K-11	8A
SPECIFICATIONS CL-10K-KS										
260x570x717	7	1 hour	Suitable for 40 batteries x 42Ah	650x750x1600	1	150	40	33	External charger in box (240Vdc 8A) for CL-6/10K-11	8A
SPECIFICATIONS CL-10K-KS										
260x570x717	7	3 hours	Suitable for 40 batteries x 100Ah. Includes battery switch and fuses.	860x800x1900	1	200	40	70	External charger in box (240Vdc 8A) for CL-6/10K-11	8A
SPECIFICATIONS CL-015M										
440x850x1320	10	1 hour	Suitable for 40 batteries x 42Ah	650x750x1600	1	150	40	45	On-site assembling charger kit, 480Vdc 10A for CL up to 20kVA, that replace the previous one.	10A
SPECIFICATIONS CL-015M										
440x850x1320	10	3 hours	Suitable for 40 batteries x 100Ah. Includes battery switch and fuses.	860x800x1900	1	200	40	80	On-site assembling charger kit, 480Vdc 10A for CL up to 20kVA, that replace the previous one.	10A

ASM[®] Clever Light Accessories

CL-AM-MB/CB



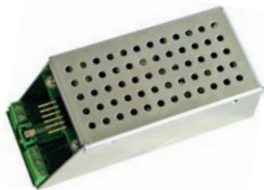
Input current	AC 230V 50/60Hz
Max capacity	1kW
Ambient temperature	0°C -70°C
Terminals	2.5m ² single wire or 1.5m ² stranded and soldered
Functions	Phase monitoring, Battery status monitoring, Addressed device status monitoring

CL-AC/230



Input (for phase monitoring)	AC 230V	Pot free power control
Input current	11mA	
Power	2.5VA	
Max device/panel	32 pcs (uniquely addressed)	32 pcs (uniquely addressed)
Terminating resistor (setting with jumper)	For closing the RS485 line on the last AC control	For closing the RS485 line on the last AC control
Connection (to panel)	RS485	RS486
RS bus max distance	1200m (without repeater)	1200m (without repeater)
Cable	Should use twisted pair cabling	Should use twisted pair cabling
Battery (powering the device)	6V 80mAh	

CL-SH-1



Interface for 100 pcs luminaires

CL-PS



Power supply for control panel

Voltage 12V

CL-HWK



Hardware key

CL-B1/2/3/6W



Type	Rechargeable Ni-Mh
Nominal voltage	7.2V
Cell size	AA
Weight	77-143g

CL-SLAVE



Communication unit

CL-FUG2

Light suspension system, 1.5mm stainless steel, with eyelets 2m lenght

CL-FUG5

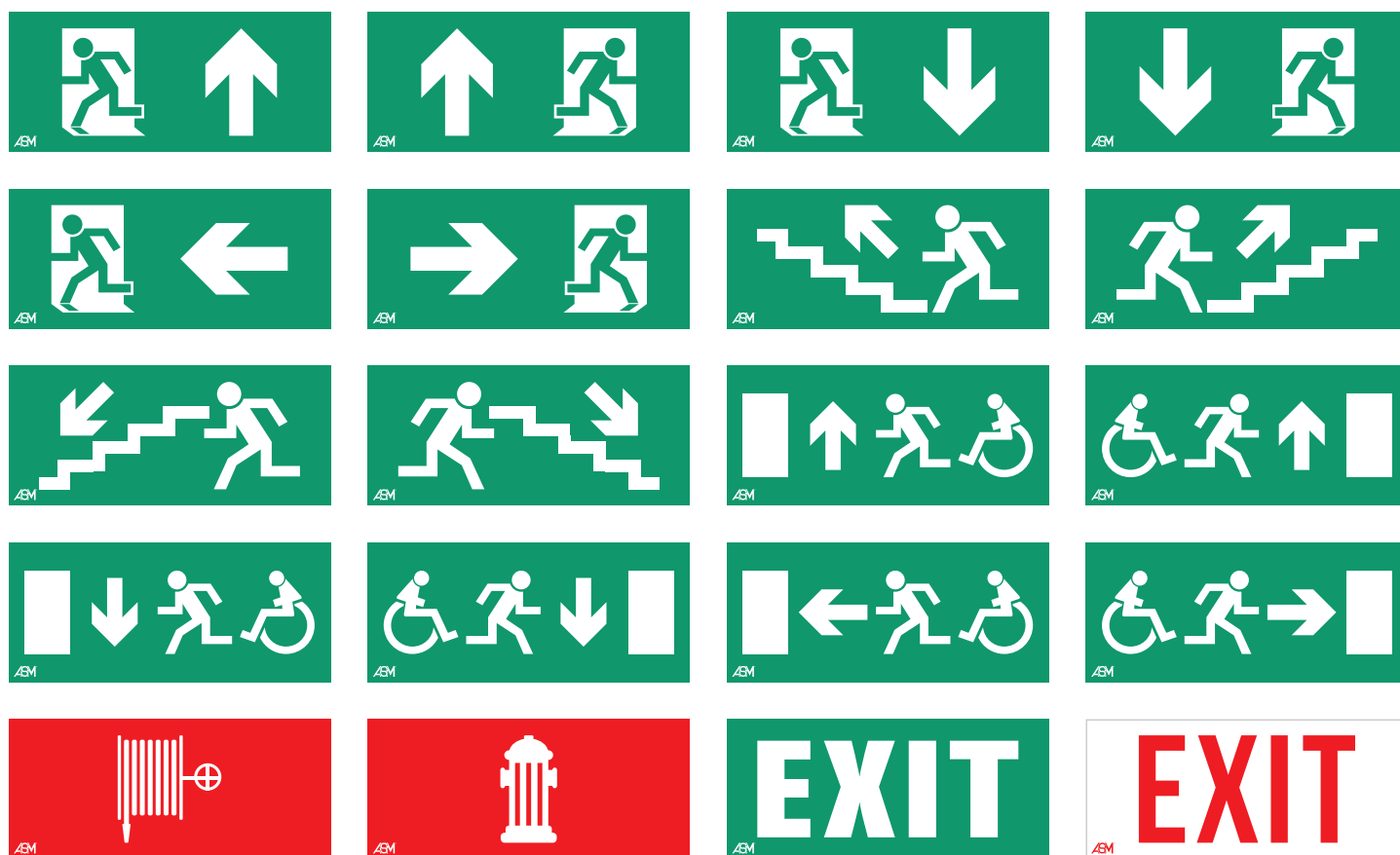
Light suspension system, 1.5mm stainless steel, with eyelets 5m lenght

CL-GRAF



Operating system	Windows based [Windows XP/7/8]
Hardware requirements	average PC
Functions	Identifying main units on the network, configuring and setting them Searching and configuring lights/units attached to the system Controlling addressable lights separately, or in groups Monitoring the status of devices Graphical visualization of installed system (Importing dxf, dwg and raster; overlaying found devices on layout) Events log Hardware key (USB) support

Clever Light Pictograms



Available sizes (mm):

250x250 • 300x85 • 300x90 • 300x130 • 333x90 • 355x155

Special pictograms are available upon request.

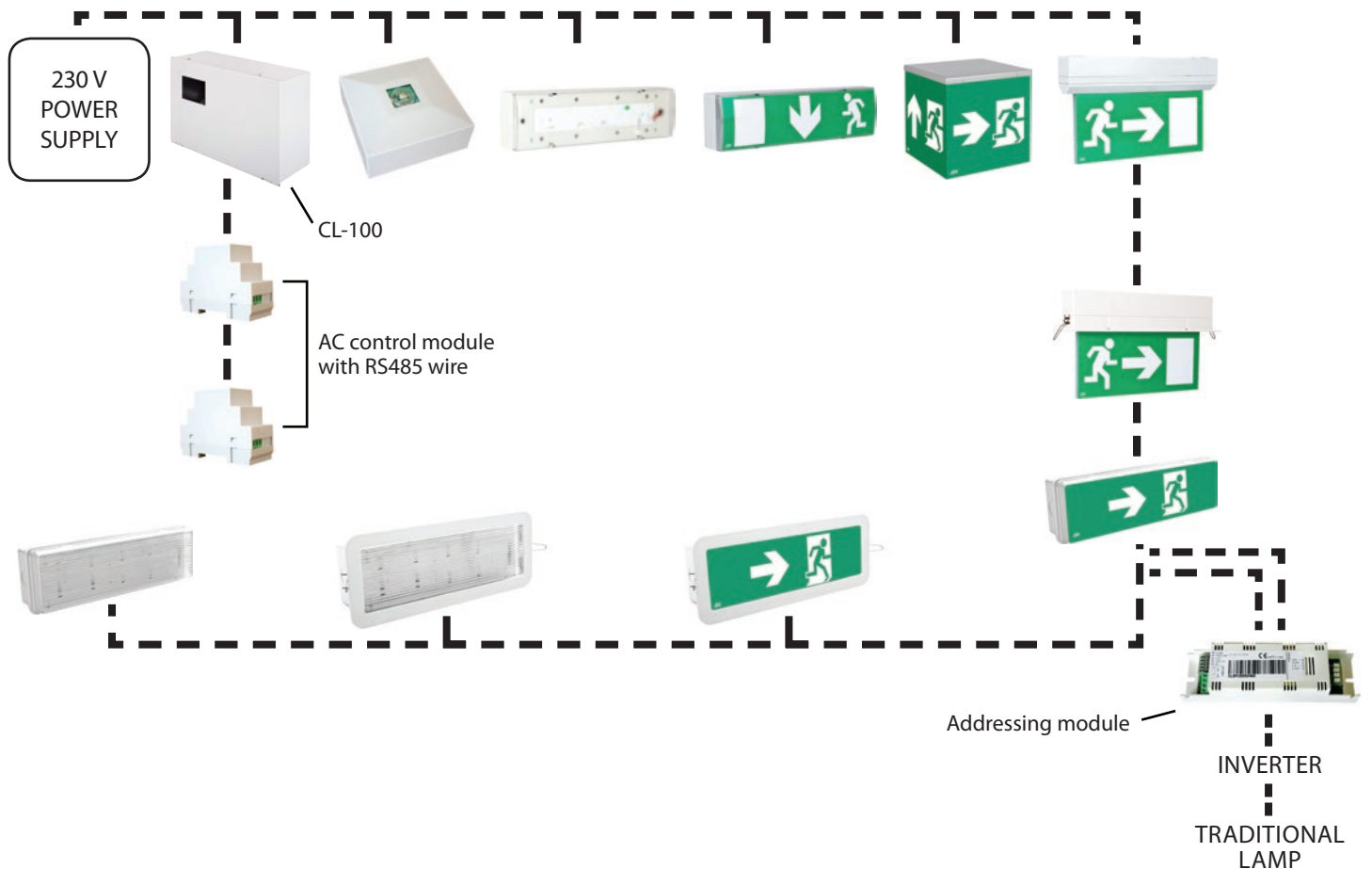
Schema for traditional emergency and exit showing lights with separate battery.

Recommended cable diameters depending on distance are 3x1.5mm² or, 3x2.5mm²



Schema for addressable emergency and exit showing lights with separate battery.

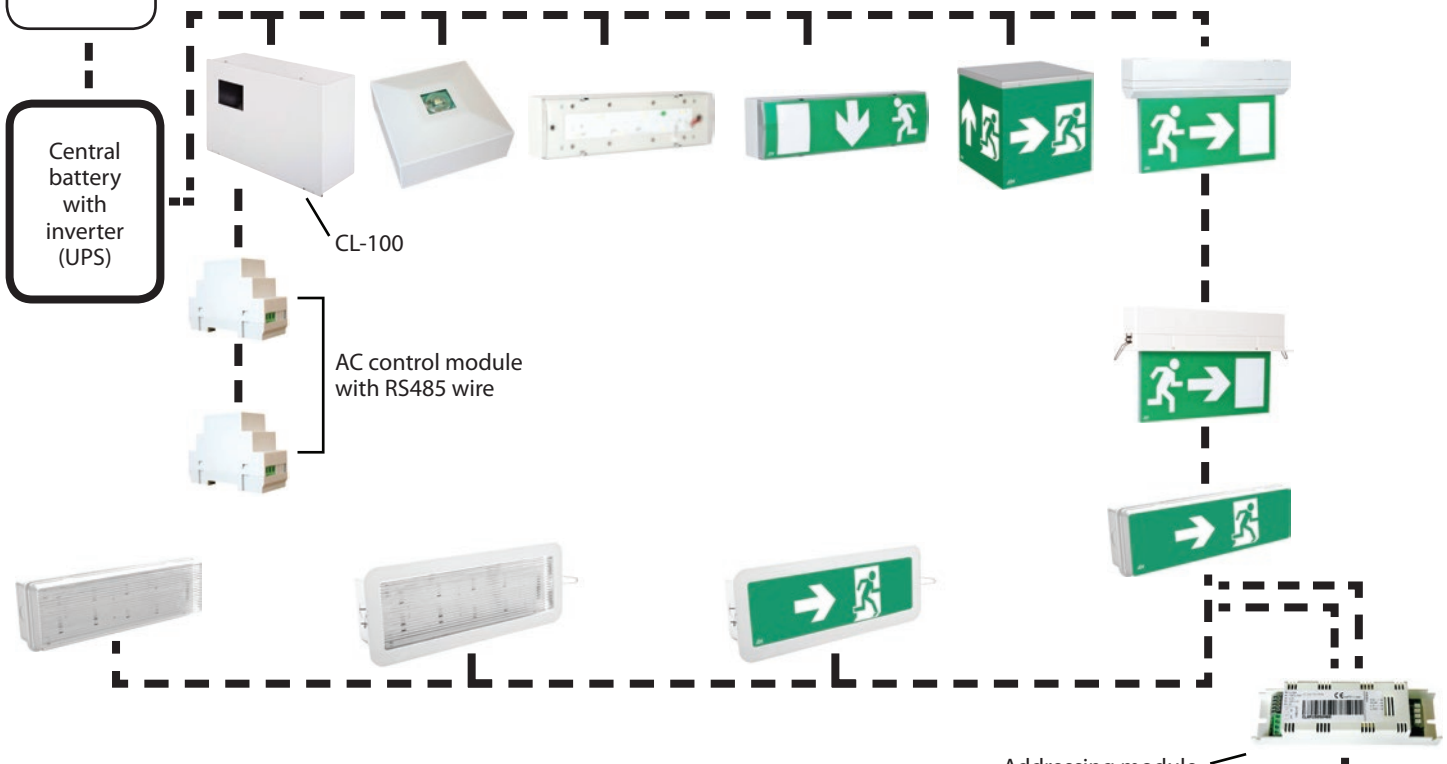
Recommended cable diameters depending on distance are 4x1.5mm² or, 4x2.5mm²



230 V
POWER
SUPPLY

Schema for addressable emergency and exit showing lights with central battery.

Recommended cable diameters depending on distance are $4 \times 1.5 \text{mm}^2$ or $4 \times 2.5 \text{mm}^2$



230 V
POWER
SUPPLY

Schema for traditional emergency and exit showing lights with central battery.

Recommended cable diameters depending on distance are $4 \times 1.5 \text{mm}^2$ or $4 \times 2.5 \text{mm}^2$

