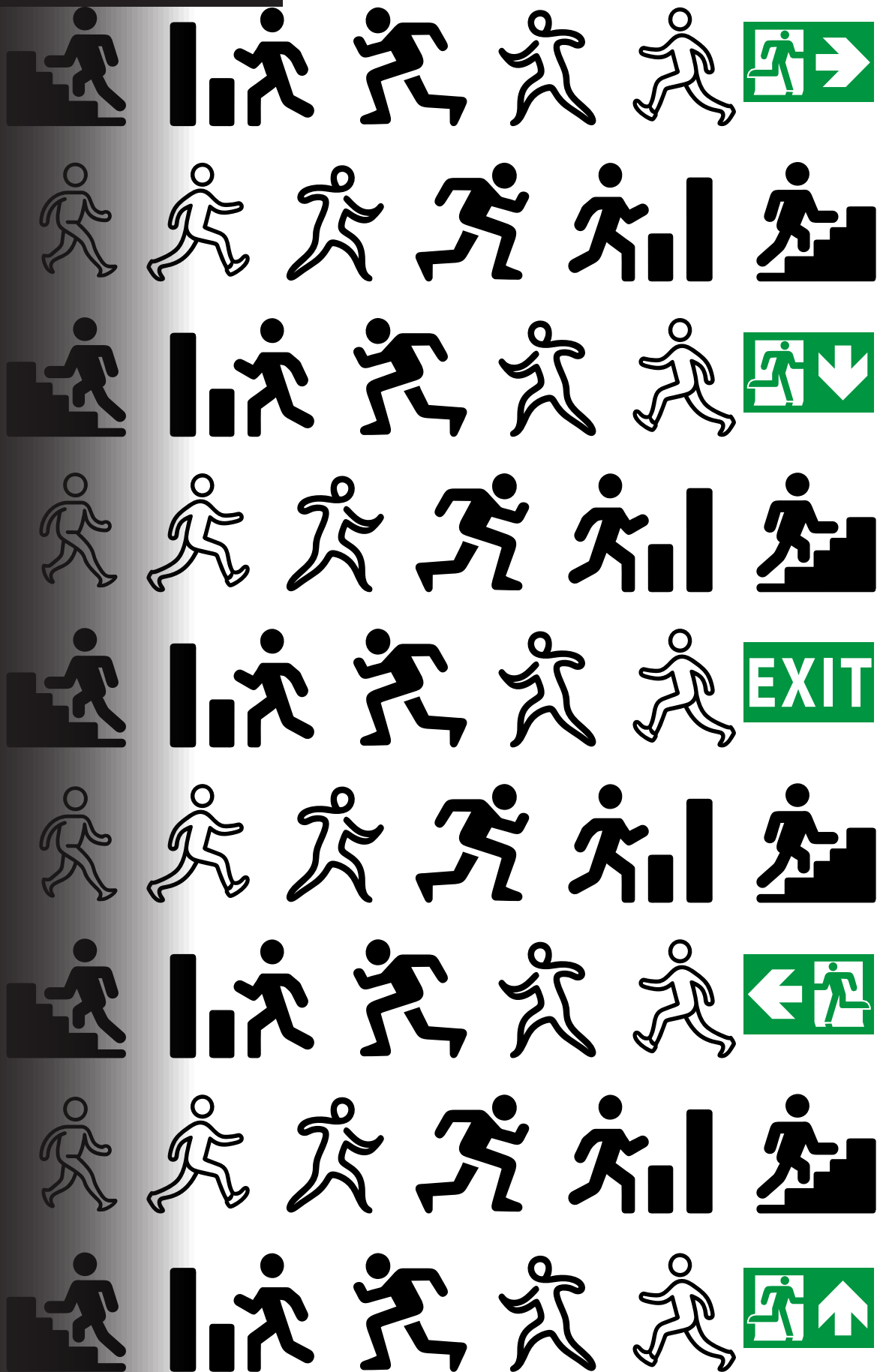
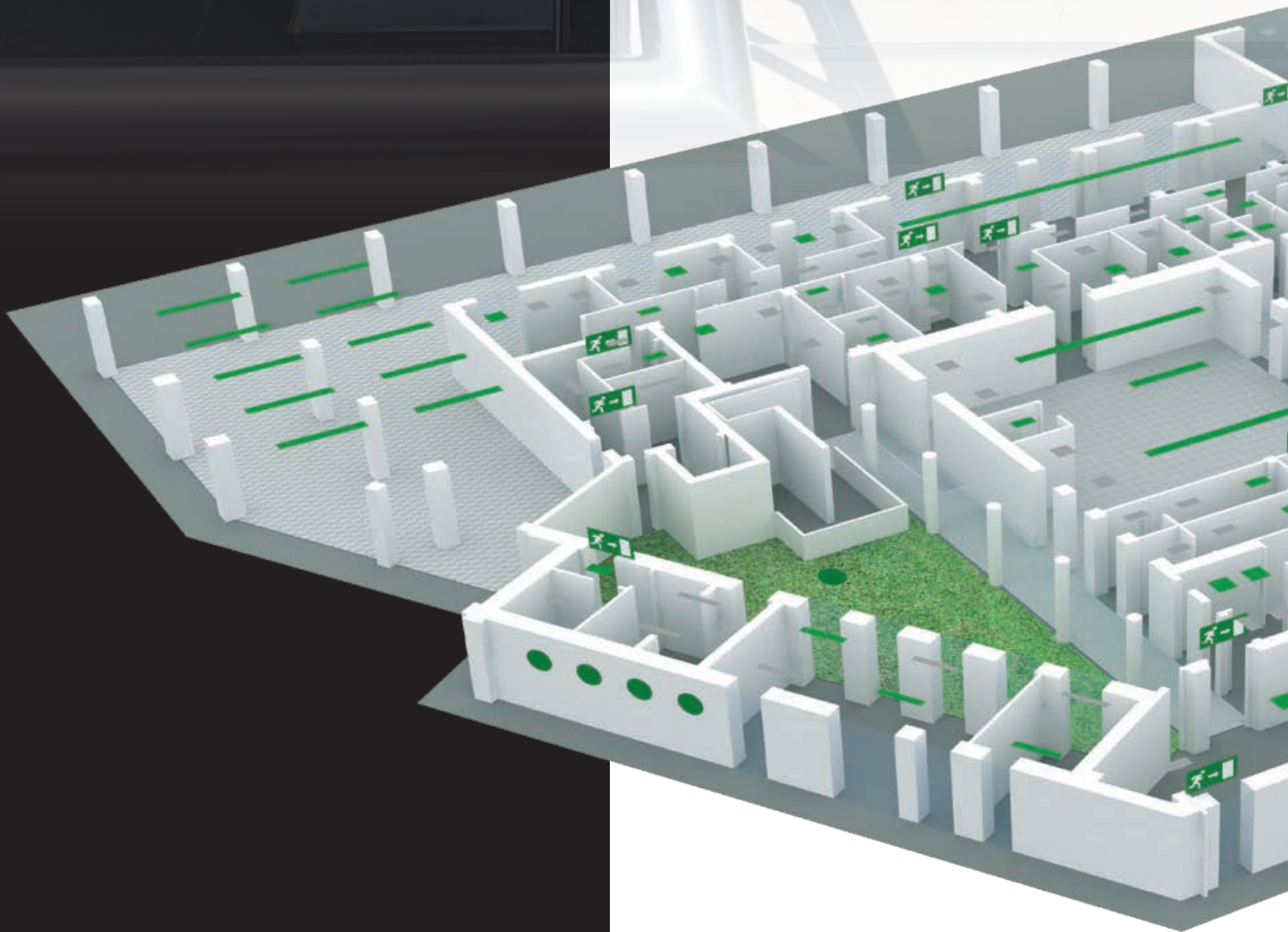


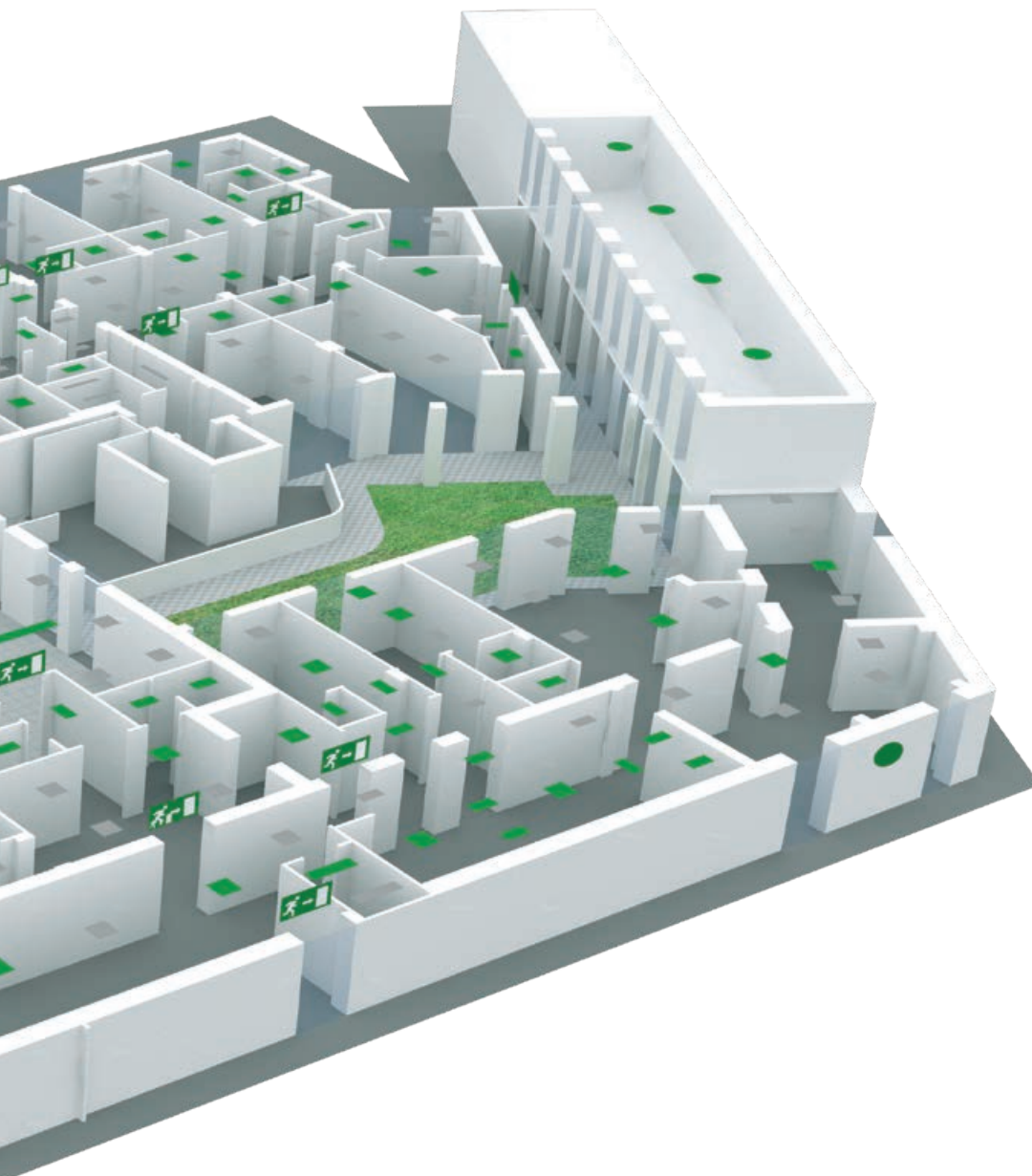
EMERGENCY

SELECTION OF EM LIGHTING





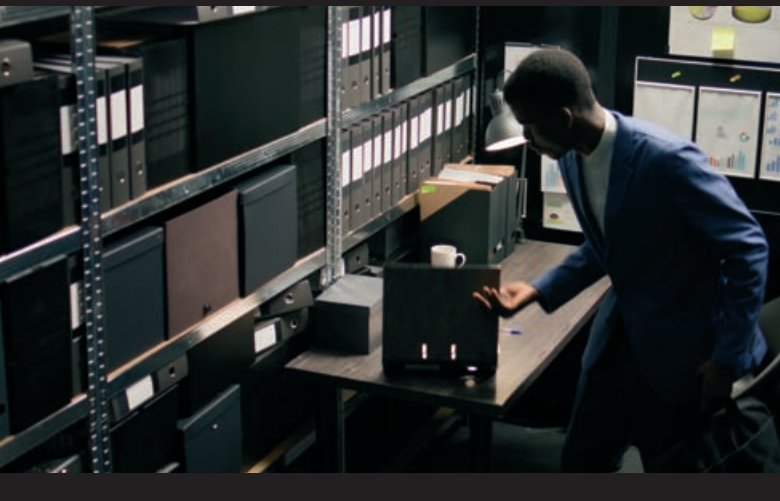
Emergency lighting is an essential safety system to ensure the protection of people during emergency situations. People who are left in the dark during power outages or block-outs, especially in crowded places or during a catastrophic event, will feel uneasy, hence increasing the risk of getting hurt because uneasiness can easily turn into panic. Therefore, an efficient emergency lighting system is an essential requirement to guarantee a safe and fast evacuation during emergencies. If this system is designed in compliance with existing laws and regulations, it will provide the necessary aid that, together with adequate safety signals, will ensure a smooth evacuation from the premises.



EM S.A. (Maintained): during a blackout, the luminaire connected to the emergency circuit stays on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.



EM S.E. (Emergency Only): During of a blackout, the luminaire connected to the emergency circuit will switch on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.



Back-up lighting

Designed for workplaces with potentially hazardous situations. In the event of power outages, it serves as “general lighting” for limited periods of time, so that work activities can be terminated, and premises can be evacuated safely.



Anti-panic lighting

To mitigate panic during a blackout and effectively guide people to safety routes.



Safety lighting

Designed to provide minimum light levels to avoid panic and dangerous situations. Escape routes and exit signage must be easily recognisable and visible enough to allow people to escape safely from any location.

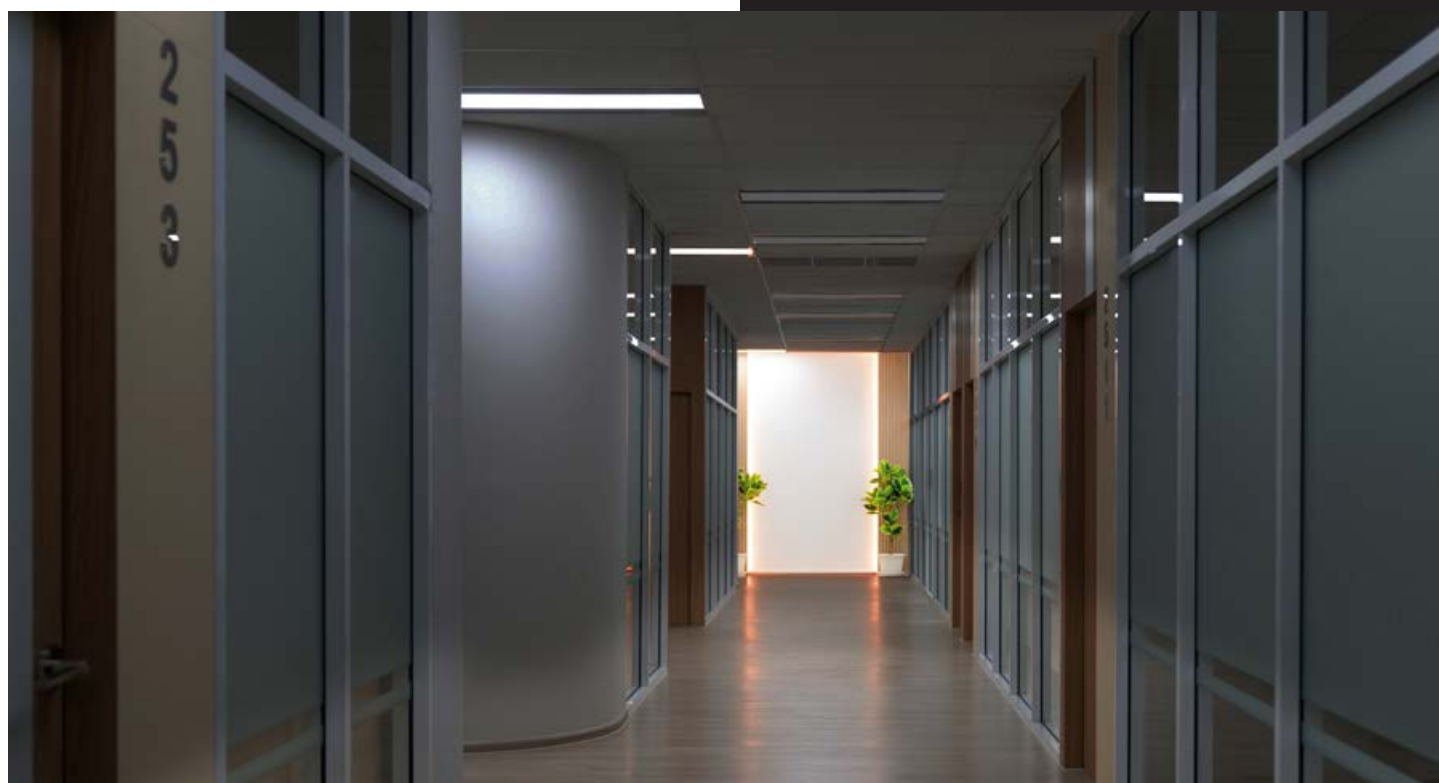


Escape route lighting

To highlight emergency escape routes and ensure a safe evacuation accurately and clearly.

Safety lighting

For workplaces where potentially work hazards exist (*lights must turn on with a maximum delay of 0.5 seconds, providing at least 10% of the required illuminance for the task being performed or reaching a minimum of 15 lux*)





Safety factor is crucial in designing a good EEmergency lighting system

Therefore, any obstacle within two metres above ground level must be illuminated, ensuring there is no risk of bumping or tripping due to insufficient lighting conditions.

Emergency lights and signage should be installed at a minimum height of two metres above ground level to ensure visibility even in crowded rooms. In cases where the emergency exit is not immediately visible, an illuminated sign should be installed to indicate the correct direction and evacuation route.

For emergency lighting, we provide four practical and cost-effective solutions to fulfil various needs:

	<p>EM S.A. Maintained</p>	<p>During a blackout, the luminaire connected to the emergency circuit stays on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.</p>
	<p>EM S.E. Emergency Only</p>	<p>During of a blackout, the luminaire connected to the emergency circuit will switch on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.</p>
	<p>EM EDali</p>	<p>With an emergency system featuring the standard DALI protocol (inverter only), compatible with all advanced centralised control systems. NOTE: the -95 equipped product will remain ON-OFF and not DALI dimmable (order with subcode -9541).</p>
	<p>EM AD Self-diagnosis</p>	<p>Complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.</p>
	<p>EM ECcentralised</p>	<p>DRIVER AC/DC With emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).</p>
	<p>EM 3h + SENSOR</p>	<p>With presence sensor integrated into the fixtures.</p>

Autonomy

The autonomy of emergency luminaires is governed by IEC standards and guidelines. Emergency luminaires typically ensure continuity for 1 or 1.5 h intervals, depending on their use within the rooms they are installed. While some products declare an autonomy of up to 3 hours or more, the aging of batteries can compromise their ability to meet these declared specifications. In such cases, replacing old batteries becomes necessary. It is recommended to perform a complete battery discharge and recharge cycle at least once every three months to ensure optimal system efficiency.

Recharge

The product standard specifies a charging time of either 12 or 24 hours, which is necessary to recharge the battery and ensure devices maintain their nominal range.

1h = 24h

3h = 24h

(or a 12-hour charging period for 1.5 h of autonomy)



EM Basic: flux percentage (lm) in the EM version only with kit

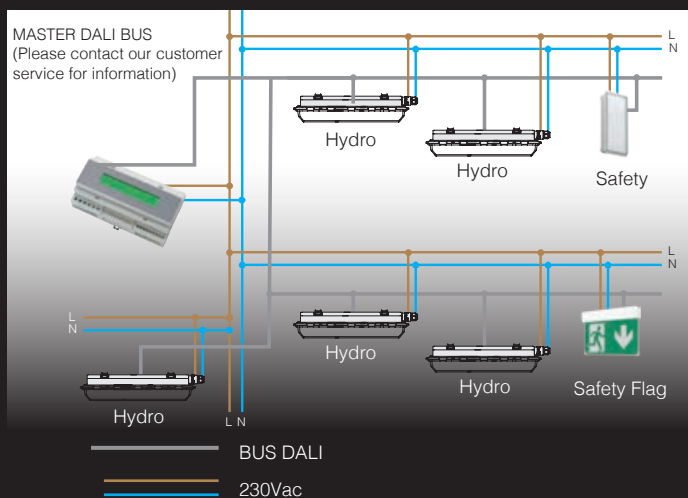
W tot	1h	3h	W tot	1h	3h
5	84%	35%	28	15%	6%
6	69%	29%	29	14%	6%
7	59%	25%	30	14%	6%
8	52%	22%	31	13%	6%
9	46%	19%	32	13%	5%
10	41%	17%	33	12%	5%
11	38%	16%	34	12%	5%
12	34%	14%	35	12%	5%
13	32%	13%	36	11%	5%
14	29%	12%	37	11%	5%
15	27%	11%	38	11%	4%
16	26%	11%	39	11%	4%
17	24%	10%	40	10%	4%
18	23%	10%	41	10%	4%
19	22%	9%	42	10%	4%
20	21%	9%	43	10%	4%
21	20%	8%	44	9%	4%
22	19%	8%	45	9%	4%
23	18%	7%	46	9%	4%
24	17%	7%	47	9%	4%
25	16%	7%	48	9%	4%
26	16%	7%	49	8%	3%
27	15%	6%	50	8%	3%

ADVANTAGES:

- control of the status of the lighting source (lamp or LED module)
- control of the emergency battery
- functional and/or autonomy tests conducted on the luminaire, groups of luminaires, or the entire system
- control of the light intensity on Only EMergency (SE) and Always On (SA)

EXAMPLE OF REMOTE CONTROL SYSTEM

NOTE: to order lighting fixtures with an emergency module based on the DALI protocol, use **subcode -95**.



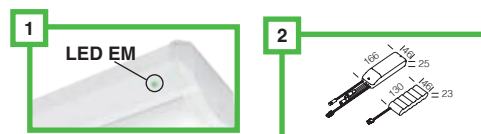
EM Basic: S.A. -07



During a blackout, emergency lights ensure practical and safe operation, preventing any inconvenience caused by the sudden loss of lighting. They can be divided in:

- 1) luminaires with built-in emergency module: **subcode -07**
 - 2) luminaires with external emergency module, standard version -00
- + acc. 600** emergency kit

- When the battery is charging, the power consumption (W tot) will exceed 3 watts.
- During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 Watt.



EM EDali -95



Luminaires with **subcode -95** are available with an emergency system featuring the standard DALI protocol (inverter only), compliant with EN 62386-202 and compatible with all advanced centralised control systems. The biggest advantage of using the DALI protocol in emergency lighting lies in its capability to control both general and emergency lights using a single busbar. This simplifies both the wiring of the system (busbar) and the programming of the entire lighting installation.

NOTE: the -95 equipped product will remain ON-OFF and not DALI dimmable (order with subcode 9541).



EM Self-Diagnosis -0066

Most emergency ceiling lights can be equipped with a local self-diagnostic system by adding **subcode -0066** to the product's ordinary code when ordering. The self-diagnosis module is equipped with an advanced microprocessor device, enabling it to perform various checks automatically and autonomously at certain time periods. The module performs two types of tests at different periodic intervals:

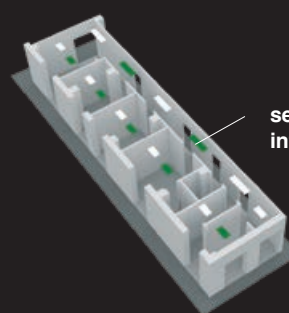
1) functionality test: a short test is conducted automatically to verify the luminaire's operation.

2) battery duration test: automatically checks the battery's life by turning on the lamp for the pre-set interval. All signage is handled by one single tri-colour V-G-R LED, which indicates the kit's various operating statuses.

EXAMPLE OF LOCALISED SELF-DIAGNOSTIC LIGHTS

A localised self-diagnostic system uses an integrated module that monitors the operation of the emergency light on each individual lighting fixture. This function is recommended for use in small simple rooms, and an accessory component is to be used on each single fixture.

NOTE: to order lighting fixtures with the self-diagnostic module use **subcode -0066**.



self-diagnostic module integrated into the fixture



EM Centralised -0050

With emergency wiring with centralised power supply CLD EC subcode -0050: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (not incorporated into the luminaire).

RECOMMENDED INSTALLATIONS:







































- environments with very high ceilings (warehouses, distribution centres, hubs, etc.)
- environments where maintenance may be difficult (indoor swimming pools)
- large or multi-storey facilities where remote control is preferred (offices, hospitals, public places)












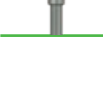
MAINTENANCE DOES NOT REQUIRE THE USE OF SPECIAL MACHINERY

MAINTENANCE CAN BE DONE DIRECTLY IN THE ELECTRICAL PANEL

REMOTE VERIFICATIONS CAN BE CONDUCTED



			 EM S.A.	 EM S.E.	 +KIT EM	 +BOX EM	 -95 ED	 -0066 AD	 -0050 EM-EC	 EM TEST	 EM 3h	
	Creta UGR<16 UGR<17	DRIVER  AC/DC			✓		✓	✓	✓			12
	Pannello B DIP SWITCH	DRIVER  AC/DC			✓			✓	✓			14
	PanelTech UGR<19 DIP SWITCH	DRIVER  AC/DC			✓			✓	✓			16
	PanelTech HE UGR<19	DRIVER  AC/DC			✓		✓	✓	✓			18
	Rodi UGR<19	DRIVER  AC/DC			✓		✓	✓	✓			20
	Compact CRI 95 DIP SWITCH	DRIVER  AC/DC			✓			✓	✓			21
	Health Dark UGR<19 DIP SWITCH	DRIVER  AC/DC			✓			✓	✓			22
	Rubin UGR<19 CCT / DIP SWITCH	DRIVER  AC/DC			✓			✓	✓			24
	Disanlens	DRIVER  AC/DC	✓					✓	✓			26
	Disanlens UGR<19	DRIVER  AC/DC	✓				✓	✓	✓			27
	Madrid	DRIVER  AC/DC	✓						✓			28
	Oblò J 2.0	DRIVER  AC/DC	✓						✓		✓	30
	Tortuga	DRIVER  AC/DC	✓						✓			31
	Safety 3.0 CCT		✓	✓						✓		32
	Safety 2.0 CCT DIMM		✓	✓								33
	Safety Flag		✓				✓			✓		34
	Safety Round Safety Square			✓			✓			✓		35
	Echo HE	DRIVER  AC/DC	✓				✓	✓	✓			36
	Hydro HP	DRIVER  AC/DC	✓				✓	✓	✓			37

			EM S.A.	EM S.E.	+ KIT EM	+ BOX EM	-95 ED	-0066 AD	-0050 EM-EC	EM TEST	EM 3h	
	Echo ATEX	DRIVER AC/DC	✓						✓			38
	Forma ATEX	DRIVER AC/DC							✓			39
	Kendo	DRIVER AC/DC	✓						✓			40
	Kendo CONNECT		✓	✓						✓		42
	Astro Q Micro UGR<22 UGR<25	DRIVER AC/DC	✓						✓			44
	Astro Q Mini UGR<22 UGR<25	DRIVER AC/DC	✓						✓			46
	Astro Q UGR<22 UGR<25	DRIVER AC/DC	✓						✓			48
	Quasar POWER SWITCH UGR<25		✓		✓							50
	Saturno POWER SWITCH UGR<25	DRIVER AC/DC	✓		✓				✓			51
	Rodio	DRIVER AC/DC	✓						✓			52
	Vega		✓									53
	Ischia		✓									54

Info - pictographs



ENEC is a European Mark that demonstrates that an electrical product is compliant with applicable European safety standards and was manufactured by a company that applies a Quality System according to ISO 9000.



Class II fixture (double insulation). No grounding needed.



Fixture surface area exposed to the wind.



Size of hole for recessed installation



Radial dark light optic unit 65° manufactured according to European EN 12464 Regulations. Suitable for uses in places fitted with video terminals



Produced with vandal resistant materials.



Built with materials that are highly resistant to acid and toxic gas corrosion.



Electronic safety device to protect the LED module and the related ballast compliant with EN 61547.

It works in two modes:

- differential mode: surge between power cables and between the phase and neutral.
- common mode: surge between power, L/N and ground cables or between the fixture's body if it is of class II and installed on a metal pole.



Product with a very low flicker; uniform light for greater eye protection.



Risk Group 0 (RG0): luminaires are exempt from photobiological risks in compliance with standard EN 62471.



Products compliant with ball impact resistance test standard DIN 18032-3: 2018.



WATERPROOF FIXTURES Fixture enclosures are in polycarbonate and keep their IP65/66 waterproof rating if installed, used and maintained in compliance with technical specifications (particularly operating voltage and temperature), as well as with the supplied instructions and applicable standards. Exposure to direct sunlight may heat up the fixture to 45°C compromising the degree of protection. It is advisable to use fixtures properly without altering mechanical properties and protection rating (IP65/IP66); **do not install on surfaces subject to strong vibrations, outdoors on hanging cables, or on walls under metallic grates, or on poles, and in any case, never expose the fixture to direct sunlight.** Otherwise, use watertight fixtures in steel.

Check the compatibility between the material constituting the product and the space where it will be installed



Creta

Creta is the new recessed LED **backlighting** ceiling fixture that opens up a whole different way of thinking about artificial lighting; it offers a very bright and diffused lighting, while keeping energy consumptions extremely low and setting itself as the ideal solution for general and functional lighting applications

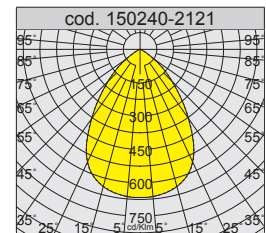
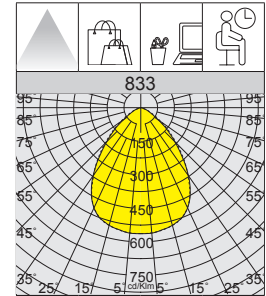
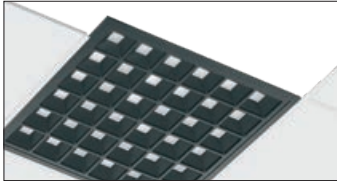
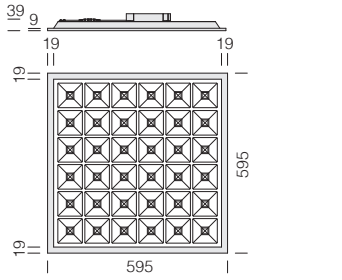
Housing and frame: housing in galvanised steel sheet, and frame in aluminium, contact mounting on the cross T structure.

Optics: secondary lenses in PMMA with high transparency and non-yellowing properties.

UGR glare index: UGR<16 - UGR<17 - EN 12464.

Wiring: rapid wiring connection, the fixture does not need to be opened.

v.a. IP20IK06
v.l. IP40IK06



833 Creta - UGR<17

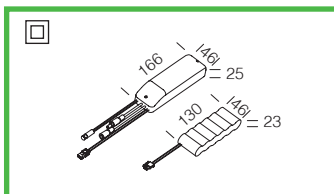
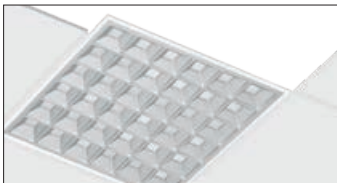
LED		colour	weight	CLD	code	CLD D-D (DALI)	code	W tot	LUMEN OUTPUT (tq= 25 °C)	K - ølm - CRI	+ Kit acc 600	% EM operation	
												h	%
LED	white	1.70	150240-00	150240-0041	31	3000K - 3789lm - CRI 80	4000K - 3980lm - CRI 80	31	4000K - 3980lm - CRI 80	80	986604-00	1h	13%
											986604-31	3h	6%
LED	black	1.70	150240-39	150240-3941	31	3000K - 3789lm - CRI 80	4000K - 3980lm - CRI 80	31	4000K - 3980lm - CRI 80	80	986604-00	1h	13%
											986604-31	3h	6%
LED	metalliz.	1.70	150240-2121	150240-2141	31	4000K - 2489lm - CRI 80	4000K - 2489lm - CRI 80	31	4000K - 2489lm - CRI 80	80	986604-00	1h	13%
											986604-31	3h	6%



833 Creta - UGR<16

LED		colour	weight	CLD	code	CLD D-D (DALI)	code	W tot	LUMEN OUTPUT (tq= 25 °C)	K - ølm - CRI	+ Kit acc 600	% EM operation	
												h	%
LED	metalliz.	1.70	150239-00	150239-0041	31	4000K - 3800lm - CRI 80	4000K - 3800lm - CRI 80	31	4000K - 3800lm - CRI 80	80	986604-00	1h	13%
											986604-31	3h	6%

Versioni EM: utilizzare il kit acc. 600. **Wtot:** in fase di ricarica della batteria, il consumo (Wtot) sarà maggiore di 3W. In fase di mantenimento (quando la batteria è carica) la potenza (Wtot) sarà maggiore di un valore compreso tra 0,5 e 1W.



acc. 600 EM power kit

1h	986604-00
3h	986604-31

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.



833 Creta - EM ED 1h - UGR<17

EM ED 1h: complete with emergency system with standard DALI protocol (inverter only). The -95 equipped product will remain ON-OFF and not DALI dimmable. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

LED		colour	weight	CLD ED	code	W tot	LUMEN OUTPUT (tq= 25 °C)
							K - ølm - CRI
LED	white	2.20	150240-95	31	150240-9528	31	4000K - 3980lm - CRI 80
							3000K - 3789lm - CRI 80
LED	black	2.20	150240-9521	31	150240-9521	31	4000K - 2489lm - CRI 80



833 Creta - EM ED 1h - UGR<16

LED		colour	weight	CLD ED	code	W tot	LUMEN OUTPUT (tq= 25 °C)
							K - ølm - CRI
LED	metalliz.	2.20	150239-95	31	150239-95	31	4000K - 3800lm - CRI 80

833 Creta - EM AD 1h - UGR<17

EM AD 1h: complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

LED		colour	weight	CLD - Self-diagnosis	code	W tot	LUMEN OUTPUT (tq= 25 °C)
							K - ølm - CRI
LED	white	2.20	150240-0066	31	150240-3966	31	4000K - 3980lm - CRI 80
							3000K - 3789lm - CRI 80



833 Creta - EM AD 1h - UGR<16

LED		colour	weight	CLD - Self-diagnosis	code	W tot	LUMEN OUTPUT (tq= 25 °C)
							K - ølm - CRI
LED	metalliz.	2.20	150239-0066	31	150239-0066	31	4000K - 3800lm - CRI 80

833 Creta - EM EC - UGR<17

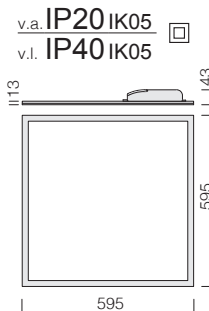
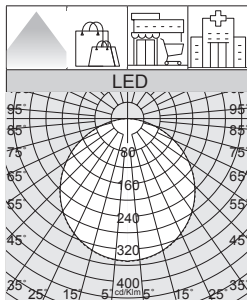
EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).

LED		colour	weight	CLD EC	code	W tot	LUMEN OUTPUT (tq= 25 °C)
							K - ølm - CRI
LED	white	1.70	150240-0050	31	150240-3950	31	4000K - 3980lm - CRI 80
							3000K - 3789lm - CRI 80
LED	black	1.70	150240-2150	31	150240-2150	31	4000K - 2489lm - CRI 80



833 Creta - EM EC - UGR<16

LED		colour	weight	CLD EC	code	W tot	LUMEN OUTPUT (tq= 25 °C)
							K - ølm - CRI
LED	metalliz.	1.70	150239-0050	31	150239-0050	31	4000K - 3800lm - CRI 80



DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K	ølm	CRI
850	28	4000K	3024lm	CRI>80
900	30	4000K	3202lm	CRI>80
950	31	4000K	3381lm	CRI>80
1050	34	4000K	3738lm	CRI>80

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K	ølm	CRI
850	28	3000K	2873lm	CRI>80
900	30	3000K	3042lm	CRI>80
950	31	3000K	3212lm	CRI>80
1050	34	3000K	3551lm	CRI>80

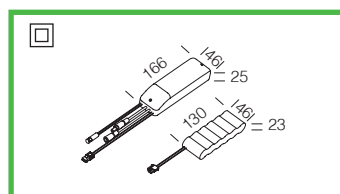
Lumen maintenance (lm) with EM kit:
see table on page 7

Pannello B - DIP SWITCH



LED	colour	weight	CLD code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)	+ Kit EM	% EM operation	
							K	h	%
LED	white	2.40	22184301-00	900	30	4000K - 3202lm - CRI>80	22096035-00	1h	14%
						4000K - 3024lm - CRI>80	22096037-00	3h	6%
			22184301-39			3000K - 3042lm - CRI>80	22096035-00	1h	14%
						3000K - 3212lm - CRI>80	22096037-00	3h	6%

EM versions: use power kit in EM. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



EM power kit

1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.

Pannello B - EM AD 1h - DIP SWITCH



LED	colour	weight	CLD - Self-diagnosis code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)			
							K	ølm	CRI
LED	white	2.90	22184301-0066	900	30	4000K - 3202lm - CRI>80			
			22184301-3966			3000K - 3042lm - CRI>80			

EM AD 1h: complete with emergency system and self-diagnosis module. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

Pannello B - EM EC - DIP SWITCH



LED	colour	weight	CLD EC code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)			
							K	ølm	CRI
LED	white	2.40	22184301-0050	900	30	4000K - 3202lm - CRI>80			
			22184301-3950			3000K - 3042lm - CRI>80			

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).



Pannello B

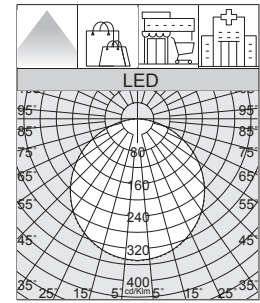
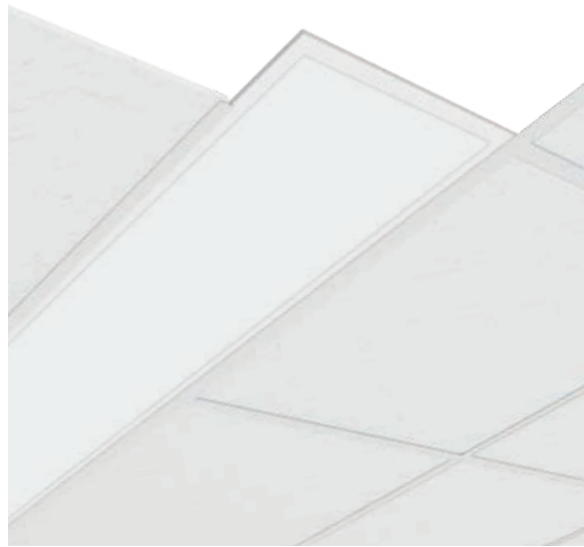
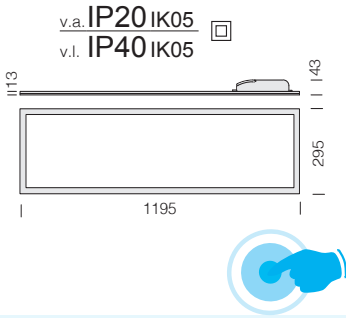
Inner slab: in PMMA.

ADAPT THE CURRENT TO ACHIEVE OPTIMAL LUMINOUS FLUX

DIP SWITCH SETTING: the fixture comes with a **DIP SWITCH** driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.





DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI
650	25	4000K - 2858lm - CRI>80
700	27	4000K - 3079lm - CRI>80
800	31	4000K - 3517lm - CRI>80
850	34	4000K - 3738lm - CRI>80

DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI
650	25	3000K - 2715lm - CRI>80
700	27	3000K - 2924lm - CRI>80
800	31	3000K - 3341lm - CRI>80
850	34	3000K - 3551lm - CRI>80

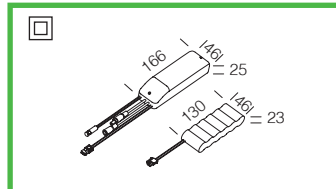
Lumen maintenance (lm) with EM kit: see table on page 7

Pannello B - R2 - DIP SWITCH

LED	colour	weight	CLD	I out	W tot	LUMEN OUTPUT (tq= 25 °C)	+ Kit EM	% EM operation	
						K - ølm - CRI	h	%	
LED	white	2.60	22185204-00	850	34	4000K - 3738lm - CRI>80	22096035-00	1h	12%
							22096037-00	3h	5%
			22185204-39			3000K - 3551lm - CRI>80	22096035-00	1h	12%
							22096037-00	3h	5%



EM versions: use power kit in EM. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



EM power kit	
1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg. Max 54W.



Pannello B - R2 - EM AD 1h - DIP SWITCH

EM AD 1h: complete with emergency system and self-diagnosis module. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

LED	colour	weight	CLD - Self-diagnosis		I out	W tot	LUMEN OUTPUT (tq= 25 °C)
			code	code			K - ølm - CRI
LED	white	3.10	22185204-0066	22185204-3966	850	34	4000K - 3738lm - CRI>80
							3000K - 3551lm - CRI>80

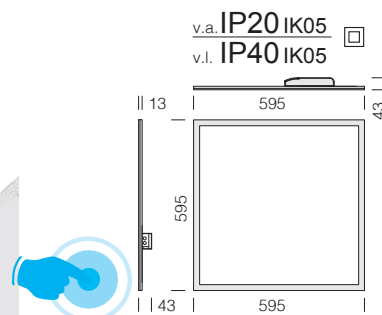
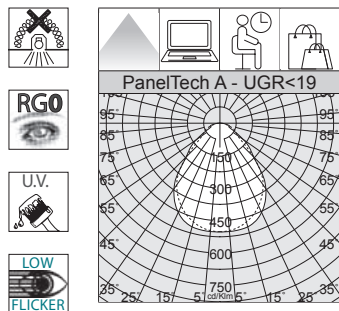


Pannello B - R2 - EM EC - DIP SWITCH

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).

LED	colour	weight	CLD EC		I out	W tot	LUMEN OUTPUT (tq= 25 °C)
			code	code			K - ølm - CRI
LED	white	2.60	22185204-0050	22185204-3950	850	34	4000K - 3738lm - CRI>80
							3000K - 3551lm - CRI>80





DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI		
850	28	4000K - 3072lm - CRI>80		
900	30	4000K - 3229lm - CRI>80		
950	31	4000K - 3385lm - CRI>80		
1050	34	4000K - 3703lm - CRI>80		

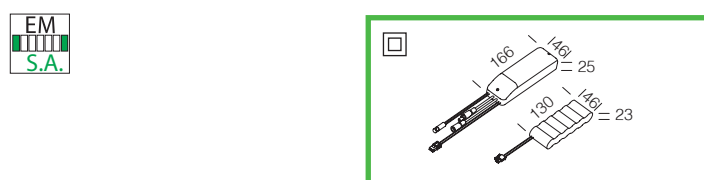
DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI		
850	28	3000K - 2921lm - CRI>80		
900	30	3000K - 3069lm - CRI>80		
950	31	3000K - 3218lm - CRI>80		
1050	34	3000K - 3521lm - CRI>80		

Lumen maintenance (lm) with EM kit: see table on page 7

PanelTech A - UGR<19 - DIP SWITCH

LED	colour	weight	CLD		LUMEN OUTPUT (tq= 25 °C)		+ Kit EM		% EM operation	
			code	I out	W tot	K - ølm - CRI	h	%		
LED	white	2.40	22184802-00	950	31	4000K - 3385lm - CRI>80	22096035-00	1h	13%	
			22184802-39			3000K - 3218lm - CRI>80	22096037-00	3h	6%	
							22096035-00	1h	13%	
							22096037-00	3h	6%	

EM versions: use power kit in EM. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



EM power kit	
1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.

PanelTech A - EM AD 1h - UGR<19 - DIP SWITCH

LED	colour	weight	CLD - Self-diagnosis		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI
LED	white	2.90	22184802-0066	950	31	4000K - 3385lm - CRI>80
			22184802-3966			3000K - 3218lm - CRI>80

EM AD 1h: complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

PanelTech A - EM EC - UGR<19 - DIP SWITCH

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	I out	W tot	K - ølm - CRI
LED	white	2.40	22184802-0050	950	31	4000K - 3385lm - CRI>80
			22184802-3950			3000K - 3218lm - CRI>80

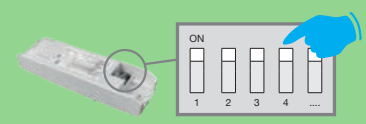
EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).

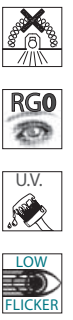
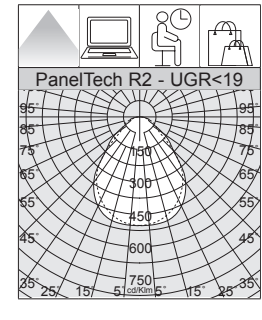
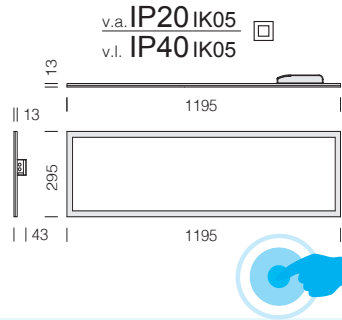
PanelTech

Inner slab: in PMMA.
Diffuser: in prismatic engineering plastic with high transmittance.

ADAPT THE CURRENT TO ACHIEVE OPTIMAL LUMINOUS FLUX

DIP SWITCH SETTING: the fixture comes with a DIP SWITCH driver for THE SETTING OF THE OUTPUT CURRENT. In this way you, can ENSURE THE BEST LUMINOUS FLUX for any lighting design. The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.





DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI
650	25	4000K - 2786lm - CRI>80
700	27	4000K - 3000lm - CRI>80
800	31	4000K - 3429lm - CRI>80
850	34	4000K - 3643lm - CRI>80

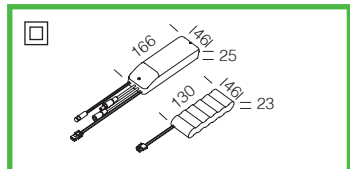
DIP SWITCH SETTING		
LUMEN OUTPUT (tq= 25 °C)		
I out	W tot	K - ølm - CRI
650	25	3000K - 2646lm - CRI>80
700	27	3000K - 2850lm - CRI>80
800	31	3000K - 3258lm - CRI>80
850	34	3000K - 3461lm - CRI>80

Lumen maintenance (lm) with EM kit: see table on page 7

PanelTech R2 - UGR<19 - DIP SWITCH

LED	colour	weight	CLD code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)		+ Kit EM		% EM operation	
						K - ølm - CRI		h	%		
LED	white	2.60	22185205-00	800	31	4000K - 3429lm - CRI>80		22096035-00	1h	13%	
			22185205-39					3000K - 3258lm - CRI>80	22096037-00	3h	6%
								22096035-00	1h	13%	
								22096037-00	3h	6%	

EM versions: use power kit in EM. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



EM power kit	
1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg. Max 54W.

EM AD 1h: complete with emergency system and self-diagnosis module. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

PanelTech R2 - EM AD 1h - UGR<19 - DIP SWITCH

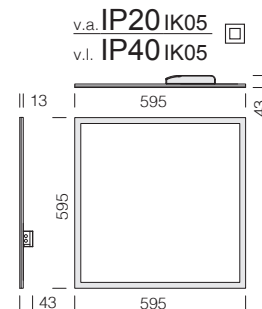
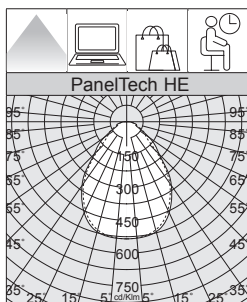
LED	colour	weight	CLD - Self-diagnosis		I out	W tot	LUMEN OUTPUT (tq= 25 °C)	
			code				K - ølm - CRI	
LED	white	3.10	22185205-0066	800	31	4000K - 3429lm - CRI>80		-0066
			22185205-3966					3000K - 3258lm - CRI>80

PanelTech R2 - EM EC - UGR<19 - DIP SWITCH

LED	colour	weight	CLD EC		I out	W tot	LUMEN OUTPUT (tq= 25 °C)	
			code				K - ølm - CRI	
LED	white	2.60	22185205-0050	800	31	4000K - 3429lm - CRI>80		-0050
			22185205-3950					3000K - 3258lm - CRI>80

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).



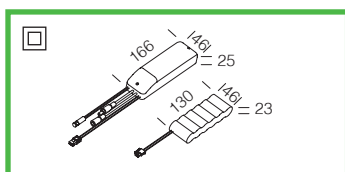


PanelTech HE A2 - UGR<19



		CLD		CLD D-DIG (DALI)	W tot	LUMEN OUTPUT (tq= 25 °C)	+ Kit EM	% EM operation	
LED	colour	weight	code	code		K - ølm - CRI		h	%
LED	white	2.40	22184806-00	22184806-1241	27	4000K - 3585lm - CRI>80	22096035-00	1h	15%
							22096037-00	3h	6%

EM versions: use power kit in EM. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



EM power kit

1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.

PanelTech HE A2 - EM ED 1h - UGR<19



		CLD ED		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ølm - CRI
LED	white	2.90	22184806-95	27	4000K - 3585lm - CRI>80

EM ED 1h: complete with emergency system with standard DALI protocol (inverter only). The -95 equipped product will remain ON-OFF and not DALI dimmable. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

PanelTech HE A2 - EM AD 1h - UGR<19



		CLD - Self-diagnosis		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ølm - CRI
LED	white	2.90	22184806-0066	27	4000K - 3585lm - CRI>80

EM AD 1h: complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

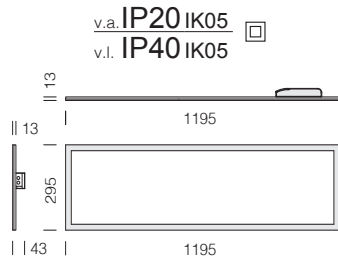
PanelTech HE A2 - EM EC - UGR<19



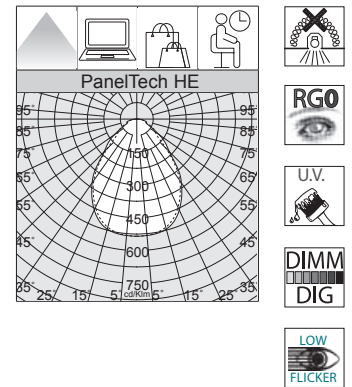
		CLD EC		W tot	LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code		K - ølm - CRI
LED	white	2.40	22184806-0050	27	4000K - 3585lm - CRI>80

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).





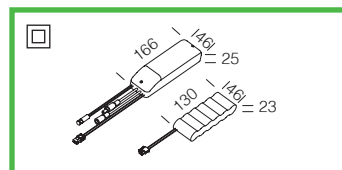
REAL UGR<19!



PanelTech HE R2 - UGR<19

		CLD		CLD D-DIG (DALI)	LUMEN OUTPUT (tq= 25 °C)		+ Kit EM	% EM operation	
LED	colour	weight	code	code	W tot	K - ølm - CRI		h	%
LED	white	2.60	22185203-00	22185203-1241	27	4000K - 3527lm - CRI>80	22096035-00	1h	15%
							22096037-00	3h	6%

EM versions: use power kit in EM. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



EM power kit	
1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.

PanelTech HE R2 - EM ED 1h - UGR<19

EM ED 1h: complete with emergency system with standard DALI protocol (inverter only). The -95 equipped product will remain ON-OFF and not DALI dimmable. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

		CLD ED		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
LED	white	3.10	22185203-95	27	4000K - 3527lm - CRI>80

PanelTech HE R2 - EM AD 1h - UGR<19

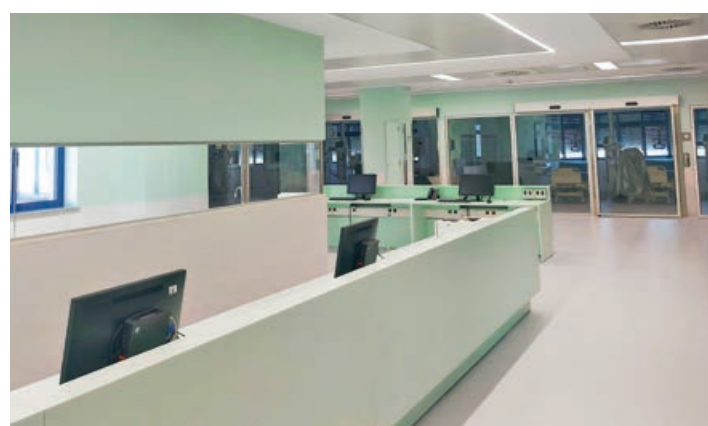
EM AD 1h: complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

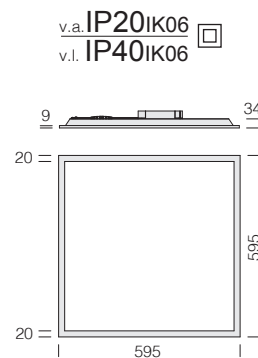
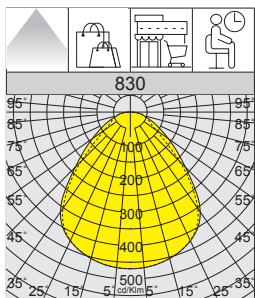
		CLD - Self-diagnosis		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
LED	white	3.10	22185203-0066	27	4000K - 3527lm - CRI>80

PanelTech HE R2 - EM EC - UGR<19

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

		CLD EC		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
LED	white	2.60	22185203-0050	27	4000K - 3527lm - CRI>80



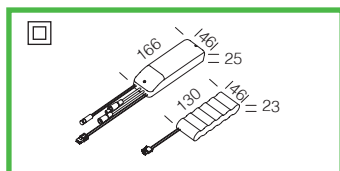


830 Rodi - UGR<19



LED		CLD		CLD D-D (DALI)		W tot	LUMEN OUTPUT (tq= 25 °C)		+ kit EM acc 600 % EM operation	
colour	weight	L	code	code	K - ølm - CRI		h	%		
LED	white	1.30	595	150242-00	150242-0041	25	4000K - 3640lm - CRI 80	986604-00	1h	16%
				150242-39	150242-3941		3000K - 3458lm - CRI 80	986604-31	3h	7%
	1.30	595	150245-00	150245-0041	28	4000K - 4050lm - CRI 80	986604-00	1h	16%	
			986604-31	3h		7%				

EM versions: use kit acc. 600. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



acc. 600 EM power kit

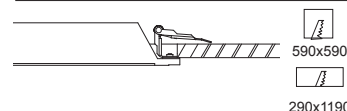
1h	986604-00
3h	986604-31

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.

acc. 907 springs

998038-00

Springs for recessed non-surface mounting on plasterboard. Bag containing 4 pieces.



830 Rodi - EM ED 1h - UGR<19

LED		CLD ED		W tot	LUMEN OUTPUT (tq= 25 °C)	
colour	weight	L	code		K - ølm - CRI	
LED	white	1.30	595	150242-95	25	4000K - 3640lm - CRI 80
				150242-9528		3000K - 3458lm - CRI 80
	1.30	595	150245-95	28	4000K - 4050lm - CRI 80	

EM ED 1h: complete with emergency system with standard DALI protocol (inverter only). The -95 equipped product will remain ON-OFF and not DALI dimmable. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



830 Rodi - EM AD 1h - UGR<19

LED		CLD - Self-diagnosis		W tot	LUMEN OUTPUT (tq= 25 °C)	
colour	weight	L	code		K - ølm - CRI	
LED	white	1.30	595	150242-0066	25	4000K - 3640lm - CRI 80
				150242-3966		3000K - 3458lm - CRI 80
	1.30	595	150245-0066	28	4000K - 4050lm - CRI 80	

EM AD 1h: complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



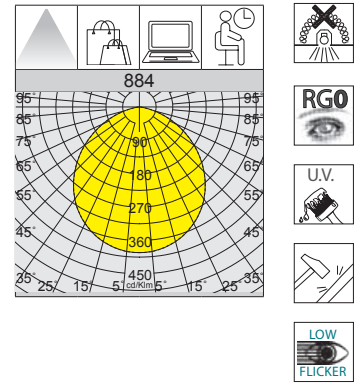
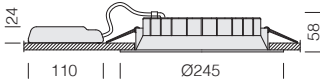
830 Rodi - EM EC - UGR<19

LED		CLD EC		W tot	LUMEN OUTPUT (tq= 25 °C)	
colour	weight	L	code		K - ølm - CRI	
LED	white	1.30	595	150242-0050	25	4000K - 3640lm - CRI 80
				150242-3950		3000K - 3458lm - CRI 80
	1.30	595	150245-0050	28	4000K - 4050lm - CRI 80	

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).

v.a. IP20 IK07
v.l. IP44 IK07

min Ø 200
max Ø 240

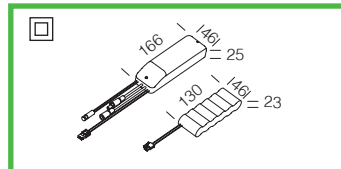


884 Compact - CRI 95 - Ø245 - DIP SWITCH

LED	colour	weight	CLD code	I out	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI	+ kit EM acc 600		% EM operation	
							h	%		
LED	white	0.70	156424-00	500	18	4000K - 2385lm - CRI 95	986604-00	1h	23%	
			156424-39			3000K - 2266lm - CRI 95	986604-31	3h	10%	
LED	white	0.70	156425-00	700	25	4000K - 3342lm - CRI 95	986604-00	1h	16%	
			156425-39			3000K - 3175lm - CRI 95	986604-31	3h	7%	



EM versions: use kit acc. 600. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



acc. 600 EM power kit

1h	986604-00
3h	986604-31

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.



DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI	
450	14	4000K - 1926lm - CRI 95	
500	18	4000K - 2385lm - CRI 95	
550	20	4000K - 2626lm - CRI 95	
600	22	4000K - 2884lm - CRI 95	

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI	
450	14	3000K - 1854lm - CRI 95	
500	18	3000K - 2226lm - CRI 95	
550	20	3000K - 2503lm - CRI 95	
600	22	3000K - 2729lm - CRI 95	

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI	
700	25	4000K - 3342lm - CRI 95	
750	27	4000K - 3538lm - CRI 95	
800	29	4000K - 3775lm - CRI 95	

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI	
700	25	3000K - 3175lm - CRI 95	
750	27	3000K - 3362lm - CRI 95	
800	29	3000K - 3586lm - CRI 95	

Lumen maintenance (lm) with EM kit:
see table on page 7

884 Compact - EM AD 1h - CRI 95 - Ø245 - DIP SWITCH

LED	colour	weight	CLD - Self-diagnosis code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)	
						K - ølm - CRI	
LED	white	1.20	156424-0066	500	18	4000K - 2385lm - CRI 95	
			156424-3966			3000K - 2266lm - CRI 95	
LED	white	1.20	156425-0066	700	25	4000K - 3342lm - CRI 95	
			156425-3966			3000K - 3175lm - CRI 95	

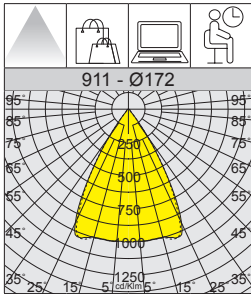
Complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

884 Compact - EM EC - CRI 95 - Ø245 - DIP SWITCH

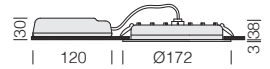
LED	colour	weight	CLD EC code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)	
						K - ølm - CRI	
LED	white	0.70	156424-0050	500	18	4000K - 2385lm - CRI 95	
			156424-3950			3000K - 2266lm - CRI 95	
LED	white	0.70	156425-0050	700	25	4000K - 3342lm - CRI 95	
			156425-3950			3000K - 3175lm - CRI 95	

With emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).





v.a. IP20 IK07
v.l. IP40 IK07
min Ø 150
max Ø 155



DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K	Ølm	CRI
350	13	4000K	1795lm	CRI 80
500	19	4000K	2490lm	CRI 80
600	22	4000K	2915lm	CRI 80

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K	Ølm	CRI
350	13	3000K	1669lm	CRI 80
500	19	3000K	2316lm	CRI 80
600	22	3000K	2711lm	CRI 80

Lumen maintenance (lm) with EM kit:
see table on page 7

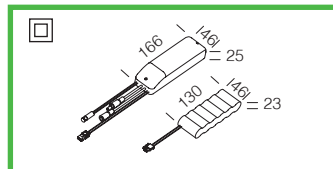


911 Health Dark - UGR<19 - Ø172 - DIP SWITCH



LED	colour	weight	Ø	CLD		LUMEN OUTPUT (tq= 25 °C)			+ Kit acc 600		% EM operation	
				code	I out	W tot	K	Ølm	CRI	h	%	
LED	white	0.50	172	156473-00	500	19	4000K - 2490lm - CRI 80			986604-00	1h	22%
				156473-39			3000K - 2316lm - CRI 80			986604-31	3h	9%
									986604-00	1h	22%	
									986604-31	3h	9%	

EM versions: use kit acc. 600. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



acc. 600 EM power kit

1h	986604-00
3h	986604-31

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.



911 Health Dark - EM AD 1h - UGR<19 - Ø172 - DIP SWITCH

LED	colour	weight	Ø	CLD - Self-diagnosis		LUMEN OUTPUT (tq= 25 °C)			
				code	I out	W tot	K	Ølm	CRI
LED	white	1.00	172	156473-0066	500	19	4000K - 2490lm - CRI 80		
				156473-3966			3000K - 2316lm - CRI 80		

EM AD 1h: complete with emergency system and self-diagnosis module. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.



911 Health Dark - EM EC - UGR<19 - Ø172 - DIP SWITCH

LED	colour	weight	Ø	CLD EC		LUMEN OUTPUT (tq= 25 °C)			
				code	I out	W tot	K	Ølm	CRI
LED	white	0.50	172	156473-0050	500	19	4000K - 2490lm - CRI 80		
				156473-3950			3000K - 2316lm - CRI 80		

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).



Health Dark

Housing: fixed dondwlight in die cast aluminium.

Lens: in PMMA lens with high efficiency output and very low glare rate.

Dark light optics: in anti-glare metalized plastic material.

ADAPT THE CURRENT TO ACHIEVE OPTIMAL LUMINOUS FLUX

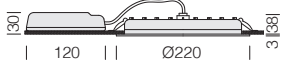
DIP SWITCH SETTING: the fixture comes with a **DIP SWITCH** driver for **THE SETTING OF THE OUTPUT CURRENT**. In this way you, can **ENSURE THE BEST LUMINOUS FLUX** for any lighting design.

The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

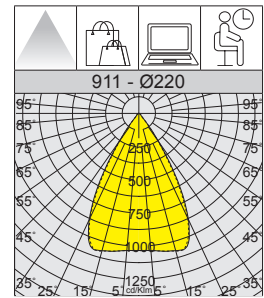


v.a. IP20 IK07
v.l. IP40 IK07

min Ø 200
max Ø 205



REAL UGR<19!



DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot		K - ølm - CRI	
600	22		4000K - 2900lm - CRI 80	
700	26		4000K - 3315lm - CRI 80	
800	30		4000K - 3740lm - CRI 80	

DIP SWITCH SETTING			LUMEN OUTPUT (tq= 25 °C)	
I out	W tot		K - ølm - CRI	
600	22		3000K - 2755lm - CRI 80	
700	26		3000K - 3149lm - CRI 80	
800	30		3000K - 3553lm - CRI 80	

Lumen maintenance (lm) with EM kit:
see table on page 7



911 Health Dark - UGR<19 - Ø220 - DIP SWITCH

LED	colore	weight	Ø	CLD		LUMEN OUTPUT (tq= 25 °C)		+ Kit acc 600	% EM operation	
				code		K - ølm - CRI			h	%
LED	white	0.70	220	156477-00	800	30	4000K - 3740lm - CRI 80	986604-00	1h	14%
				156477-39			3000K - 3553lm - CRI 80	986604-31	3h	6%
								986604-00	1h	14%
								986604-31	3h	6%



EM versions: use kit acc. 600. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

acc. 600 EM power kit

1h	986604-00
3h	986604-31

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.



EM AD 1h: complete with emergency system and self-diagnosis module. **W tot:** when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

911 Health Dark - EM AD 1h - UGR<19 - Ø220 - DIP SWITCH

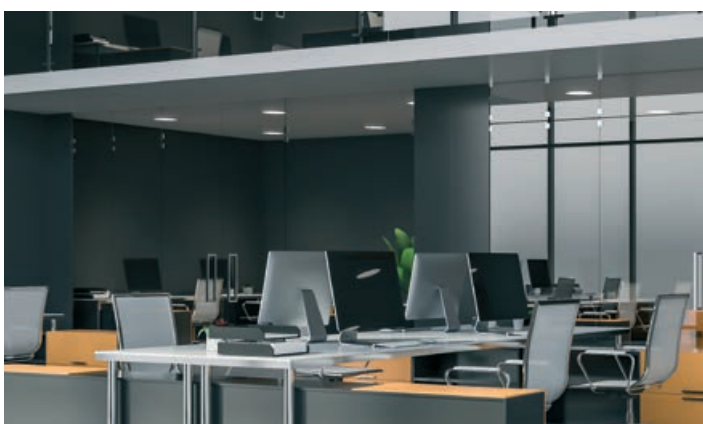
LED	colour	weight	Ø	CLD - Self-diagnosis		LUMEN OUTPUT (tq= 25 °C)	
				code		K - ølm - CRI	
LED	white	1.20	220	156477-0066	800	30	4000K - 3740lm - CRI 80
				156477-3966			3000K - 3553lm - CRI 80

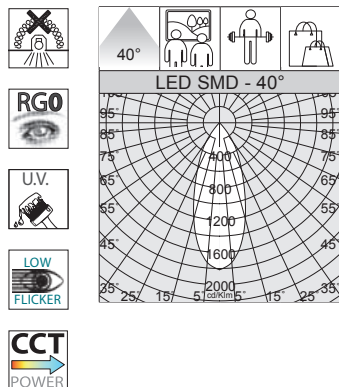


EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

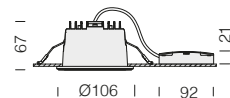
911 Health Dark - EM E C - UGR<19 - Ø220 - DIP SWITCH

LED	colour	weight	Ø	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
				code		K - ølm - CRI	
LED	white	0.70	220	156477-0050	800	30	4000K - 3740lm - CRI 80
				156477-3950			3000K - 3553lm - CRI 80





v.a. IP20 IK04
v.l. IP65 IK04
min Ø 90
max Ø 98



DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
150	6	3000K - 743lm - CRI>80 - 40°	
250	9	3000K - 1030lm - CRI>80 - 40°	

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
150	6	4000K - 781lm - CRI>80 - 40°	
250	9	4000K - 1116lm - CRI>80 - 40°	

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
150	6	5700K - 768lm - CRI>80 - 40°	
250	9	5700K - 1070lm - CRI>80 - 40°	

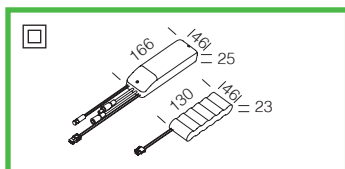
Lumen maintenance (lm) with EM kit:
see table on page 7

Rubin medium - UGR<19 - Ø106 - CCT / DIP SWITCH



LED	colour	weight	CLD code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)			+ Kit EM		% EM operation	
						K - ølm - CRI - degrees			h	%		
SMD	white + chrome	0.20	22163610-00	250	9	3000K - 1030lm - CRI>80 - 40°			22096035-00	1h	46%	
						4000K - 1116lm - CRI>80 - 40°			22096037-00	3h	19%	
						5700K - 1070lm - CRI>80 - 40°			22096035-00	1h	46%	
									22096037-00	3h	19%	

Versioni EM: utilizzare il kit alimentazione in EM. Wtot: in fase di ricarica della batteria, il consumo (Wtot) sarà maggiore di un valore compreso tra 0,5 e 1W. In fase di mantenimento (quando la batteria è carica) la potenza (Wtot) sarà maggiore di un valore compreso tra 0,5 e 1W.



EM power kit	
1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.

Rubin medium - EM AD 1h - UGR<19 - Ø106 - CCT / DIP SWITCH



LED	colour	weight	CLD - Self-diagnosis code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)		
						K - ølm - CRI - degrees		
SMD	white + chrome	0.70	22163610-0066	250	9	3000K - 1030lm - CRI>80 - 40°		
						4000K - 1116lm - CRI>80 - 40°		
						5700K - 1070lm - CRI>80 - 40°		

EM AD 1h: complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

Rubin medium - EM EC - UGR<19 - Ø106 - CCT / DIP SWITCH



LED	colour	weight	CLD EC code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)		
						K - ølm - CRI - degrees		
SMD	white + chrome	0.20	22163610-0050	250	9	3000K - 1030lm - CRI>80 - 40°		
						4000K - 1116lm - CRI>80 - 40°		
						5700K - 1070lm - CRI>80 - 40°		

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).



Rubin

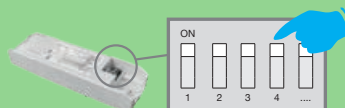
Rubin is a recessed spotlight designed to enhance interiors with refined lighting effects, thanks to sophisticated aesthetic finishes. Its versatility lies in the option to choose from 3 colour temperatures (3000K, 4000K, 5700K) and 2 power outputs, allowing for complete customisation to suit the specific needs of any exhibition or interior space.

Housing: made of heat-conductive plastic coated in aluminium with springs for recessed mounting.

Reflector: made of high-performance metallised polycarbonate.

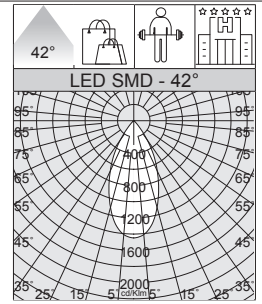
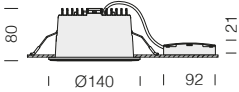
DIP SWITCH SETTING: the fixture comes with a DIP SWITCH driver for THE SETTING OF THE OUTPUT CURRENT. In this way you, can ENSURE THE BEST LUMINOUS FLUX for any lighting design.

The possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.



v.a. IP20 IK04
v.l. IP65 IK04

min Ø 120
max Ø 130



DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	9	3000K - 1080lm - CRI>80 - 42°	
300	12	3000K - 1425lm - CRI>80 - 42°	

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	9	4000K - 1136lm - CRI>80 - 42°	
300	12	4000K - 1536lm - CRI>80 - 42°	

DIP SWITCH SETTING		LUMEN OUTPUT (tq= 25 °C)	
I out	W tot	K - ølm - CRI - degrees	
250	9	5700K - 1126lm - CRI>80 - 42°	
300	12	5700K - 1496lm - CRI>80 - 42°	

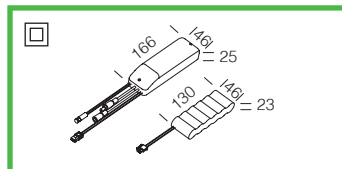
Lumen maintenance (lm) with EM kit:
see table on page 7

Rubin big - UGR<19 - Ø140 - CCT / DIP SWITCH

LED	colour	weight	CLD code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)		+ Kit EM		% EM operation	
						K - ølm - CRI - degrees				h	%
SMD	white + chrome	0.35	22163710-00	300	12	3000K - 1425lm - CRI>80 - 42°		22096035-00	1h	34%	
						4000K - 1536lm - CRI>80 - 42°		22096035-00	1h	34%	
						5700K - 1496lm - CRI>80 - 42°		22096037-00	3h	14%	
								22096037-00	3h	14%	



Versioni EM: utilizzare il kit kit alimentazione in EM. Wtot: in fase di ricarica della batteria, il consumo (Wtot) sarà maggiore di 3W. In fase di mantenimento (quando la batteria è carica) la potenza (Wtot) sarà maggiore di un valore compreso tra 0,5 e 1W.



EM power kit	
1h	22096035-00
3h	22096037-00

EM (emergency) lamp power kit complete with connectors. 0.43 Kg.



EM AD 1h: complete with emergency system and self-diagnosis module. W tot: when the battery is charging, the power consumption (W tot) will exceed 3 watts. During maintenance (when the battery is charging), the total power (W tot) will exceed a value ranging between 0.5 and 1 watt.

Rubin big - EM AD 1h - UGR<19 - Ø140 - CCT / DIP SWITCH

LED	colour	weight	CLD - Self-diagnosis code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)	
						K - ølm - CRI - degrees	
SMD	white + chrome	0.85	22163710-0066	300	12	3000K - 1425lm - CRI>80 - 42°	
						4000K - 1536lm - CRI>80 - 42°	
						5700K - 1496lm - CRI>80 - 42°	



EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).

Rubin big - EM EC - UGR<19 - Ø140 - CCT / DIP SWITCH

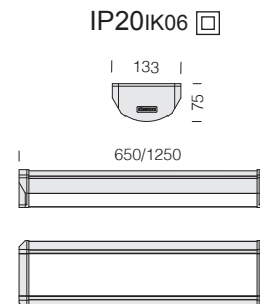
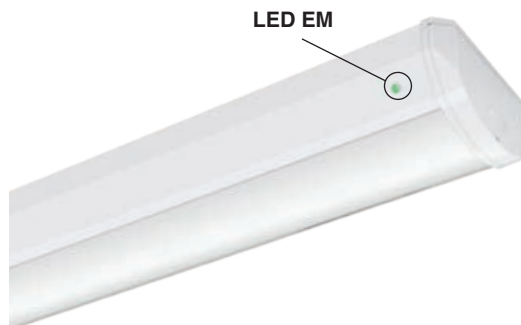
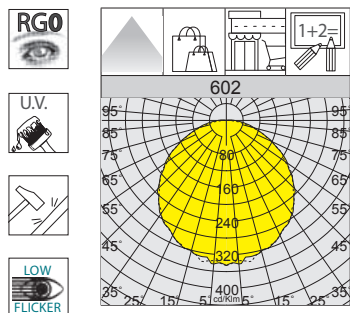
LED	colour	weight	CLD EC code	I out	W tot	LUMEN OUTPUT (tq= 25 °C)	
						K - ølm - CRI - degrees	
SMD	white + chrome	0.85	22163710-0050	300	12	3000K - 1425lm - CRI>80 - 42°	
						4000K - 1536lm - CRI>80 - 42°	
						5700K - 1496lm - CRI>80 - 42°	



Available with reflectors in a variety of colour finishes, it complements a wide range of design styles, from contemporary to classic, delivering a focused, functional light. The straightforward installation allows the fixture to blend seamlessly with the interior design. Perfect for creating intimate atmospheres or highlighting key decor elements, it is the ideal solution for achieving an elegant balance between visual appeal and high performance.



Optics	Finish	Code
Nickel black optics	medium	22093131-00
	big	22093132-00
Gold optics	medium	22093191-00
	big	22093192-00
Glossy black optics	medium	22093134-00
	big	22093135-00
Silver optics	medium	22093171-00
	big	22093172-00
Glossy white optics	medium	22093111-00
	big	22093112-00



602 Disanlens - EM 1h - S.A.



LED	colour	L	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
				code	W tot	K - ølm - CRI		h	%
LED	white	650 mm	2.00	115597-07	15	4000K - 1720lm - CRI 80		1h	29%
		1250 mm	3.20	115598-07	28	4000K - 3440lm - CRI 80		1h	15%

602 Disanlens - EM AD 1h



LED	colour	L	weight	CLD - Self-diagnosis		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
				code	W tot	K - ølm - CRI		h	%
LED	white	650 mm	2.00	115597-0766	15	4000K - 1720lm - CRI 80		1h	29%
		1250 mm	3.20	115598-0766	28	4000K - 3440lm - CRI 80		1h	15%

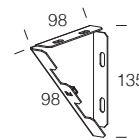
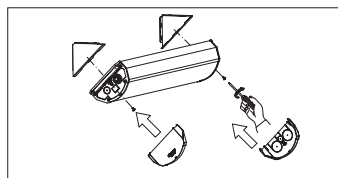
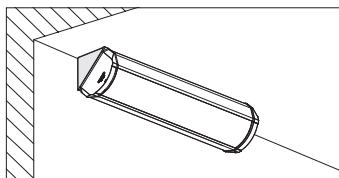
602 Disanlens - EM EC



LED	colour	L	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
				code	W tot	K - ølm - CRI	
LED	white	650 mm	1.50	115597-0050	15	4000K - 1720lm - CRI 80	
		1250 mm	2.70	115598-0050	28	4000K - 3440lm - CRI 80	

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

INSTALLATION AND ACCESSORIES



acc. 588 bracket
993971-00
Bracket for wall mounting. 2-pc set.

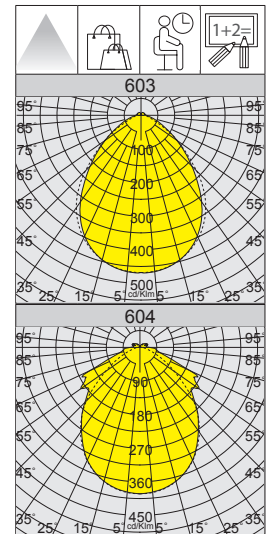
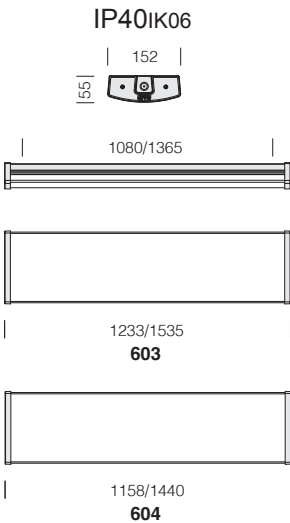
Disanlens 602

Housing: in extruded aluminium with closing ends.

Diffuser: in shatter-proof, self-extinguishing and UV-stabilised V2 polycarbonate. Smooth and dust-proof on the outside, and multiple grooves on the inside to increase light distribution.

Coating: smooth, white powder coating.

Equipment: silicone rubber gasket; outer screws in stainless steel.



603 Disanlens - EM 1h S.A - UGR<19

LED		colour	L	weight	CLD E code	CLD D DE (DALI) code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI	% EM operation	
LED	white	1233 mm	3.30	115521-07	115521-0741	23	4000K - 3450lm - CRI 80	1h	15%	
		1535 mm	4.60	115522-07	115522-0741	30	4000K - 4800lm - CRI 80	1h	10%	



603 Disanlens - EM ED 1h - UGR<19

LED		colour	L	weight	CLD ED code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI	% EM operation	
LED	white	1233 mm	3.30	115521-95	115521-95	23	4000K - 3450lm - CRI 80	1h	15%
		1535 mm	4.60	115522-95	115522-95	30	4000K - 4800lm - CRI 80	1h	10%



603 Disanlens - EM AD 1h - UGR<19

LED		colour	L	weight	CLD - Self-diagnosis code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI	% EM operation	
LED	white	1233 mm	3.30	115521-0766	115521-0766	23	4000K - 3450lm - CRI 80	1h	15%
		1535 mm	4.60	115522-0766	115522-0766	30	4000K - 4800lm - CRI 80	1h	10%



603 Disanlens - EM EC - UGR<19

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

LED		colour	L	weight	CLD EC code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI
LED	white	1233 mm	2.80	115521-0050	115521-0050	23	4000K - 3450lm - CRI 80
		1535 mm	4.10	115522-0050	115522-0050	30	4000K - 4800lm - CRI 80



604 Disanlens - EM 1h - S.A.

LED		colour	L	weight	CLD E code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI	% EM operation	
LED	white	1158 mm	3.30	115534-07	115534-07	23	4000K - 3450lm - CRI 80	1h	15%
		1440 mm	4.60	115535-07	115535-07	30	4000K - 4800lm - CRI 80	1h	10%



604 Disanlens - EM AD 1h

LED		colour	L	weight	CLD - Self-diagnosis code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI	% EM operation	
LED	white	1158 mm	3.30	115534-0766	115534-0766	23	4000K - 3450lm - CRI 80	1h	15%
		1440 mm	4.60	115535-0766	115535-0766	30	4000K - 4800lm - CRI 80	1h	10%



604 Disanlens - EM EC

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

LED		colour	L	weight	CLD EC code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI
LED	white	1158 mm	2.80	115534-0050	115534-0050	23	4000K - 3450lm - CRI 80
		1440 mm	4.10	115535-0050	115535-0050	30	4000K - 4800lm - CRI 80



Disanlens 603-604

Housing: in pre-coated and pre-galvanized sheet; ABS white thread ends with vandal-proof closure system.

Diffuser: in polycarbonate with micro-prismatic finish surface to control lighting distribution.

Equipment: complete with inlet cable gland and spacers to mount the fixture to the ceiling or wall..



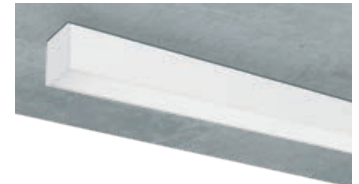
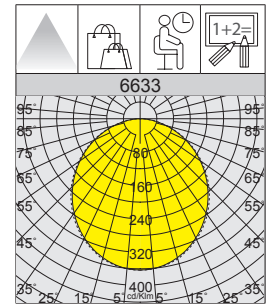
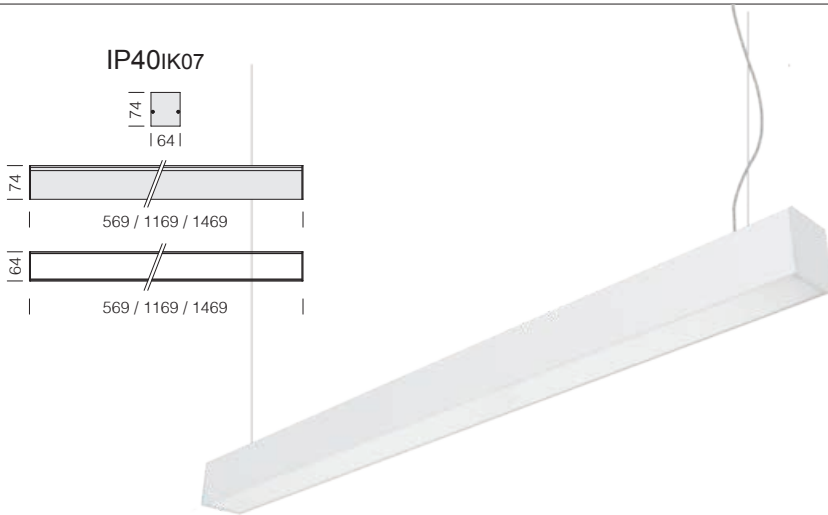
Madrid

Housing: extruded aluminium complete with end caps.

Diffuser: opal polycarbonate.

Upon request version with:

- emergency wiring **CLD E** with **sub-code -07**.
- emergency wiring with centralized power supply **CLD EC** with **sub-code -0050**.
- **CLD D-D (DALI)** wiring with **sub-code -0041**.
- version with pass-through wiring for continuous line modules L=2800 max with **subcode -0072**: supplied without diffuser, which should be purchased separately with acc. 6076, ideal for continuous and uninterrupted **"ALL LIGHT"** lines.
- black colour version



6633 Madrid - EM 1h S.A. - suspension/ceiling direct light - with opal diffuser

		CLD E		LUMEN OUTPUT (tq= 25 °C)			% EM operation	
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI	h	%
LED	white	1169	1.90	133091-07	24	4000K - 2673lm - CRI>80	1h	16%
		1469	2.20	133092-07	31	4000K - 3259lm - CRI>80	1h	16%



6633 Madrid - EM EC - suspension/ceiling direct light - with opal diffuser

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

		CLD EC		LUMEN OUTPUT (tq= 25 °C)		
LED	housing	L (mm)	weight	code	W tot	K - ølm - CRI
LED	white	569	0.80	133090-0050	11	4000K - 1138lm - CRI>80
		1169	1.40	133091-0050	24	4000K - 2673lm - CRI>80
		1469	1.70	133092-0050	31	4000K - 3259lm - CRI>80



CONTINUOUS LINE INSTALLATION AND ACCESSORIES

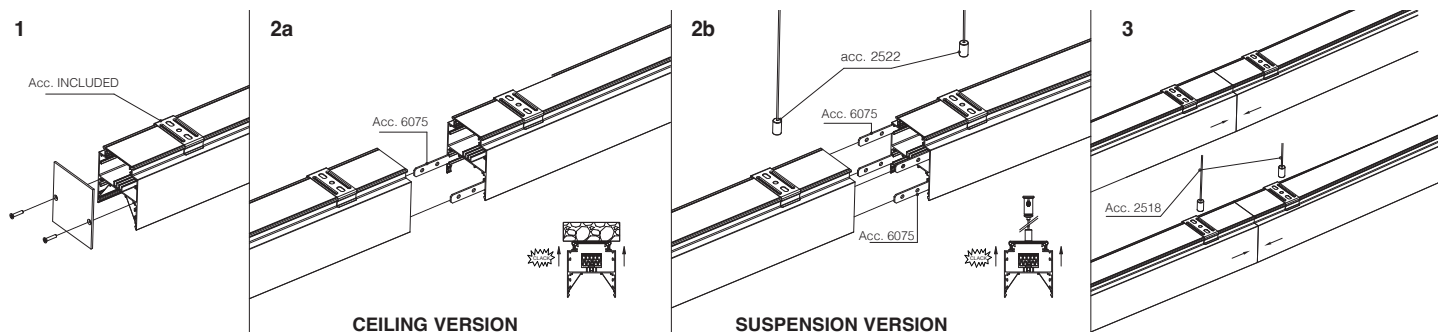
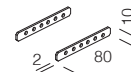
Installation sequence:

- 1) Unscrew the locking screws and remove the end cap.
- 2) Insert acc. 6075 junction bracket to be purchased separately (purchase **nr.2** acc. 6075 for *suspension* version)
- 3) Pair the luminaires until they are aligned, then tighten the locking screws.

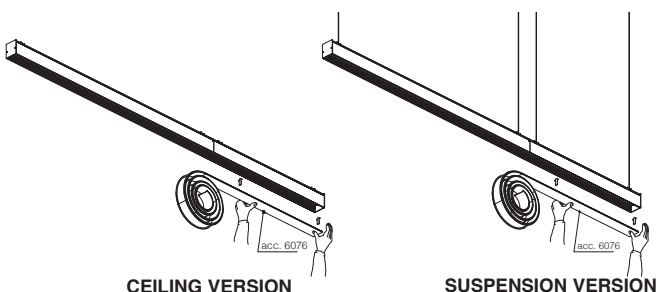
acc. 6075 junction brackets

132915-00

Utilize for the suspension/ceiling installation in continuous line of Madrid.



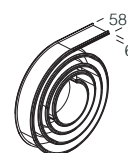
"**ALL LIGHT**" version with lengths on request and pass-through wiring with subcode **-0072** to be completed with acc. 6076 opal diffuser.



acc. 6076 opal diffuser

L = 50m 132916-00

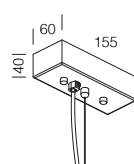
Opal polycarbonate roll must always be used on Madrid for continuous and uninterrupted "all light" lines. Upon request, UGR<19 prismatic roll is available.

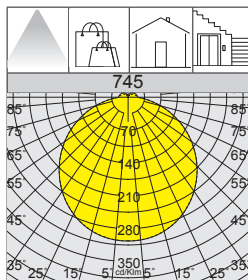


acc. 2522 electrified suspension

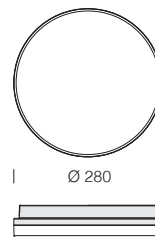
3P	white	994028-00
5P		998047-00

Supplied with steel wire (L = 100cm) and millimetre adjustment device and power cord. Max loading: 20Kg. 5P version for **EM** or **DIMM DALI** wiring.





IP65IK07



63



745 Oblò J 2.0 - EM 1h



LED	colour	weight	Ø mm	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
				code	W tot	K - ølm - CRI	h	%	
LED	white	1.50	280	112600-07	19	4000K - 2026lm - CRI>80	1h	5%	
				112600-0728		3000K - 1863lm - CRI>80			
LED	white	1.50	280	112601-07	24	4000K - 2898lm - CRI>80	1h	4%	
				112601-0728		3000K - 2695lm - CRI>80			

745 Oblò J 2.0 - EM 3h



LED	colour	weight	Ø mm	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
				code	W tot	K - ølm - CRI	h	%	
LED	white	1.50	280	112600-31	19	4000K - 2026lm - CRI>80	3h	5%	
				112600-3128		3000K - 1863lm - CRI>80			
LED	white	1.50	280	112601-31	24	4000K - 2898lm - CRI>80	3h	3%	
				112601-3128		3000K - 2695lm - CRI>80			

745 Oblò J 2.0 - EM 3h + SENSOR



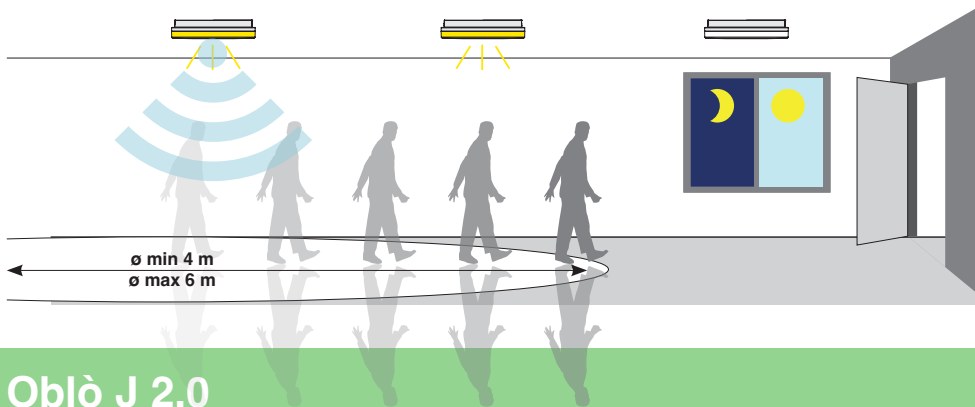
LED	colour	weight	Ø mm	CLD E (3h) + sensor (ON-OFF)		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
				code	W tot	K - ølm - CRI	h	%	
LED	white	1.50	280	112600-1957	19	4000K - 2026lm - CRI>80	3h	5%	
				112600-19573000		3000K - 1863lm - CRI>80			

745 Oblò J 2.0 - EM EC



LED	colour	weight	Ø mm	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
				code	W tot	K - ølm - CRI	
LED	white	1.00	280	112600-0050	16	4000K - 2026lm - CRI>80	
				112600-3950		3000K - 1863lm - CRI>80	
LED	white	1.00	280	112601-0050	21	4000K - 2898lm - CRI>80	
				112601-3950		3000K - 2695lm - CRI>80	

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).



SENSOR - TECHNICAL SPECIFICATIONS

Detection area	75%
Detection distance	Ø 4-6 m (adjustable)
Hold time	1 min
Ambient light	Disable
Power consumption	~ 0,9 W
Microwave frequency/power	5.8GHz / <0.3mW
Operating temperature	-25°C ÷ 60°C

Oblò J 2.0

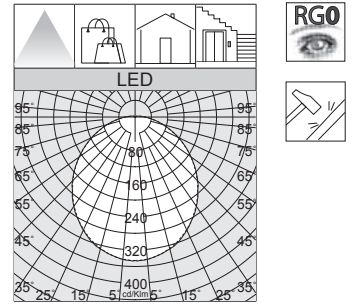
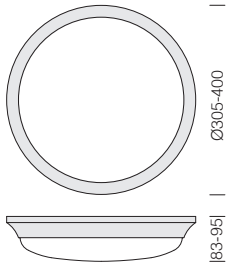
Housing: vandal-resistant, self-extinguishing polycarbonate.

Diffuser: In clear polycarbonate, anti-dazzle, vandal resistant.

745 Oblò J 2.0 - EM 3h + SENSOR:

The remote control (code **81412785** is to be purchased separately at an additional cost. It allows changing parameters after installation.

IP54 IK07



Tortuga - EM 3h S.A.

LED	colour	weight	Ø mm	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
				code	W tot	K - ølm - CRI	h	%	
(1) LED	white	1.20	305	22042410-09	18	3000K - 1436lm - CRI>80	3h	12,5%	
				22042411-09		4000K - 1562lm - CRI>80	3h	12,5%	
(2) LED	white	1.60	400	22042412-09	30	3000K - 2523lm - CRI>80	3h	7%	
				22042413-09		4000K - 2744lm - CRI>80	3h	7%	



EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

Tortuga - EM EC

LED	colour	weight	Ø mm	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
				code	W tot	K - ølm - CRI	
(1) LED	white	0.70	305	22042410-0050	17	3000K - 1436lm - CRI>80	
				22042411-0050		4000K - 1562lm - CRI>80	
(2) LED	white	1.10	400	22042412-0050	28	3000K - 2523lm - CRI>80	
				22042413-0050		4000K - 2744lm - CRI>80	



Tortuga

Round-shape LED fixture with opal polycarbonate diffuser that can be easily installed to the ceiling/wall; ideal for entrance areas, corridors, stairways, waiting rooms, hotels, restaurants and residential spaces. Available in two sizes (ø305/400 mm) and in the standard 3000K/4000K version and in the 3h emergency version with light-presence sensor (ON-OFF).

Tortuga is the energy-efficient and modern alternative to luminaires with traditional light sources.

Housing: vandal-resistant, self-extinguishing polycarbonate.

Diffuser: In clear polycarbonate, anti-dazzle, vandal resistant.



NW = 4000K (neutral white) CW = 5700K (cold white)

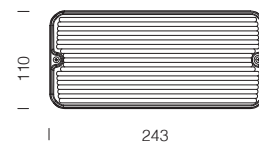
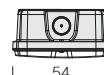


The main feature of this fixture is the new colour-changing technology. With **two built-in switches** you can:

- select 2 different colour temperatures, adjusting to most installations
- select the type of output luminous flux and power.



IP65IK08



• switch for adjusting light flux and colour temperature (CCT)
standard configuration is 5700K and maximum power/flux values.



• can be configured for either **Emergency Only (S.E.) mode** or **Maintained (S.A.) mode** by directly wiring the electrical connections to the provided terminal block.

621 Safety 3.0 CCT - EM 1h S.E. - S.A.

EM S.E.		CLD CEM-L		autonomy	CCT SWITCH	LUMEN OUTPUT S.E. (tq= 25 °C)		LUMEN OUTPUT S.A. (tq= 25 °C)	
LED	colour	weight	code		Kelvin	W tot S.E.	ølm - CRI	W tot S.A.	ølm - CRI
LED	white	0.30	112533-00	1h	4000K/5700K	1	70lm/110lm/150lm - CRI 80	2/3/4	70lm/110lm/150lm - CRI 80
			112534-00		4000K/5700K		200lm/300lm - CRI 80	5/7	200lm/300lm - CRI 80
			112536-00		4000K/5700K		400lm - CRI 80	7	400lm - CRI 80

623 Safety 3.0 AUTOTEST CCT - EM 3h S.E. - S.A.

EM S.E.		CLD CEM-L (AUTOTEST)		autonomy	CCT SWITCH	LUMEN OUTPUT S.E. (tq= 25 °C)		LUMEN OUTPUT S.A. (tq= 25 °C)	
LED	colour	weight	code		Kelvin	W tot S.E.	ølm - CRI	W tot S.A.	ølm - CRI
LED	white	0.50	112563-00	3h	4000K/5700K	1	70lm/110lm/150lm - CRI 80	2/3/4	70lm/110lm/150lm - CRI 80
			112564-00		4000K/5700K		200lm/300lm - CRI 80	5/7	200lm/300lm - CRI 80
			112566-00		4000K/5700K		400lm - CRI 80	7	400lm - CRI 80



EM S.E. (Only Emergency):

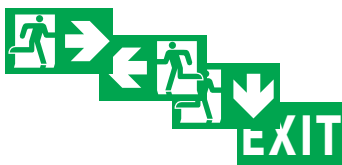
during a blackout, the luminaire connected to the emergency circuit will switch on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.

EM S.A. (Maintained):

during a blackout, the luminaire connected to the emergency circuit stays on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.

Safety with AUTOTEST:

provides real-time information on the status of the luminaire, automatically performing all the tests indicated in the UNI-EN-50172 standard. A simple way to reduce costs and make system inspection and maintenance easier. Anyone can supervise the emergency lighting system.



acc. 472 labels for Safety 2.0

right out	995137-00
left out	995138-00
down out	995139-00
exit	995144-00

Self-adhesive pictograms available and visible up to 35 m. UNI EN1838.



acc. 315 outer shell

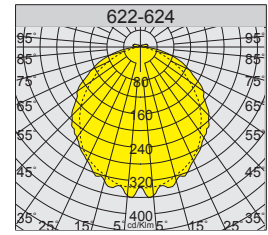
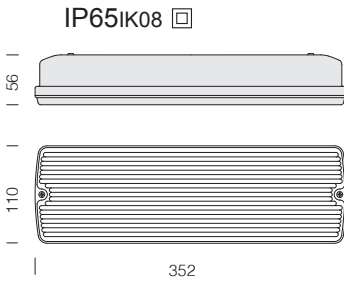
white	995212-00
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Made in polycarbonate. For recessed installation of Safety 2.0.

visible up to 22 m. UNI EN1838

Safety 3.0 provides real-time information on the status of the luminaire, performing all the tests indicated in the UNI-EN-50172 standard. A simple way to reduce costs and make system inspection and maintenance easier. Anyone can supervise the emergency lighting system.

Safety 3.0 with AUTOTEST	
OPERATION	DESCRIPTION
After 1st installation (power keep on during 24hrs).	At the beginning of the test a red LED indicator will flash slowly for 15 seconds, then the unit will switch to emergency mode for 3hrs and switch back to normal operation.
Functional test - 5 min (every 30 days).	Green LED indicator will flash slowly (1sec on / 1sec off).
Full duration test - 3 hrs (every 180 days).	At the beginning of the test a red LED indicator will flash slowly for 15 seconds, then the unit will switch to emergency mode for 3 hrs and switch back to normal operation. If full charge, green LED indicator will flash slowly (1sec on / 1sec off).
Emergency Mode: when voltage drop to 152-165V, the unit switch to emergency mode automatically.	LED indicator si off.



Upon request: fixtures with **sub-code -95** with an emergency system featuring the standard DALI protocol (inverter only), compatible with all advanced centralised control systems.

NOTE: the -95 equipped product will remain **ON-OFF** and not DALI dimmable (order with subcode -9541).

624 Safety 2.0 CCT - DALI - EM 1h S.E.

LED		CLD ED		autonomy	CCT SWITCH	LUMEN OUTPUT S.E. (tq= 25 °C)	
colour	weight	code			Kelvin	W tot S.E.	ølm - CRI
LED	white	1.00	112534-95001025	1h	4000K/5700K	1	750lm - CRI 80



EM S.E. (Only EMergency): during of a blackout, the luminaire connected to the emergency circuit will switch on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.

622 Safety 2.0 CCT - DALI - EM 1h S.A.

LED		CLD ED		autonomy	CCT SWITCH	LUMEN OUTPUT S.E. (tq= 25 °C)		
colour	weight	code			Kelvin	W tot S.A.	ølm - CRI	% EM operation
LED	white	1.00	112544-95001026	1h	4000K/5700K	7	850lm - CRI 80	88%



EM S.A. (Maintained): during a blackout, the luminaire connected to the emergency circuit stays on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.



acc. 472 labels for Safety 2.0

right out	995137-00
left out	995138-00
down out	995139-00
exit	995144-00

EM self-adhesive pictograms.



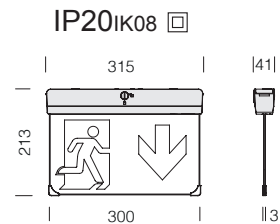
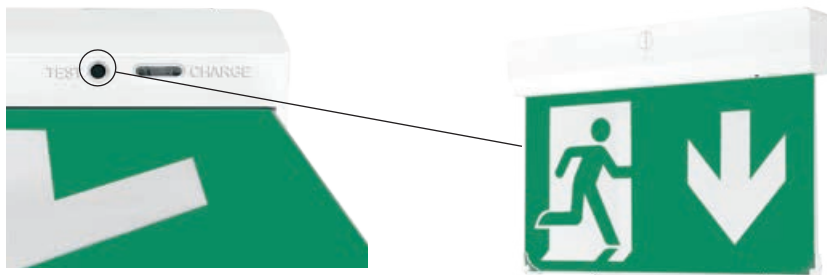
acc. 315 outer shell for Safety 2.0

white	995212-00
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Made in polycarbonate. For recessed installation of Safety 2.0.

visible up to 22 m. UNI EN1838





630 Safety Flag - EM 3h S.A.



		CLD CEM-L					LUMEN OUTPUT (tq= 25 °C)
LED	colour	weight	code	autonomy	W tot	K - ølm - CRI	
LED	white	0.50	112521-00	3h	3	6500K - 320lm - CRI 80	

EM power: 1W max. DALI 2 version available on request.

EM S.A. (Maintained):

during a blackout, the luminaire connected to the emergency circuit stays on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.



Upon request: fixtures with **subcode -95** are available with an emergency system featuring the standard DALI protocol (inverter only), compatible with all advanced centralised control systems.

NOTE: the -95 equipped product will remain ON-OFF and not DALI dimmable (order with subcode -9541).



acc. 485 flag-type bracket

995440-00

To be used for flag installation of Safety Flag.



acc. 486 recessed frame

995441-00

To be used for recessed installation of Safety Flag.

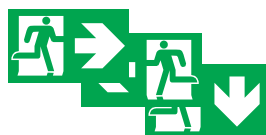


acc. 487 suspension bracket

995442-00

To be used for suspension installation of Safety Flag.

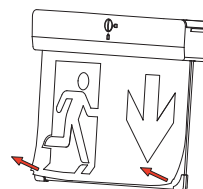
Safety Flag is suitable for flag-type, recessed, and pendant installation using the supplied accessories. Installation is simple, quick, and safe, while the different configurations provide maximum versatility, adapting to all application needs.



acc. 470 labels for art. 630

right out	995150-00
left out	995151-00
down out	995152-00

Pictograms available and visible up to 40 m. UNI EN1838. Bag containing 2 pieces

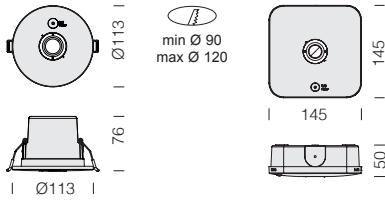


EM Label designed to be quickly and easily detached from the fixture.

The **Safety** series provides real-time information on the status of the luminaire, performing all the tests indicated in the UNI-EN-50172 standard. A simple way to reduce costs and make system inspection and maintenance easier. Anyone can supervise the emergency lighting system.

Safety Round - Safety Square - Safety Flag with MANUALTEST button			
OPERATION	TEST	ACTION	DESCRIPTION
Manual functional test	Press the test button	Simulates emergency duration of 3 seconds	Indicator flashes rapidly (0.5 s on / 0.5 s off)
Monthly test	Press the test button twice within 2 seconds	Simulates emergency duration of 60 seconds	Indicator flashes rapidly (0.5 s on / 0.5 s off)
Annual test	Press the test button 3 times within 2 seconds after a continuous 24-hour recharge	Simulates emergency duration of 3 hours	Indicator flashes rapidly (0.5 s on / 0.5 s off)
Reset	Press and hold the test button for more than 3 s (Safety Round/Square) or 10 s (Safety Flag)	Resets the self-test programme	Indicator flashes 3 times (0.5 s on / 0.5 s off)
Troubleshooting	Press and hold the test button for more than 5 s	Elimination of errors	Indicator flashes 3 times (0.5 s on / 0.5 s off)

IP65IK08



EM S.E. (Only EMergency):

during of a blackout, the luminaire connected to the emergency circuit will switch on, preventing any inconvenience caused by the sudden loss of lighting. It offers an autonomy of 60/180 minutes. The battery automatically recharges once the power is restored.

629 Safety Round - EM 3h S.E. - recessed

		CLD CEM-L			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	autonomy	W tot	K - ølm - CRI
LED	white	0.20	112500-00	3h	3	6500K - 320lm - CRI 80

EM power: 2,2W max.



628 Safety Square - EM 3h S.E. - ceiling

		CLD CEM-L			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	autonomy	W tot	K - ølm - CRI
LED	white	0.30	112509-00	3h	3	6500K - 320lm - CRI 80

EM power: 2,2W max.



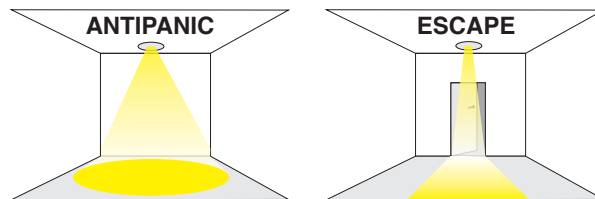
Upon request: fixtures with **subcode -95** are available with an emergency system featuring the standard DALI protocol (inverter only), compatible with all advanced centralised control systems.

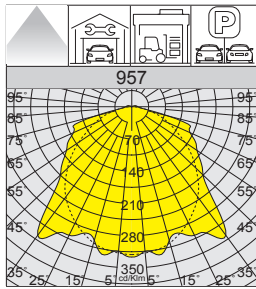
NOTE: the -95 equipped product will remain ON-OFF and not DALI dimmable (order with subcode -9541).



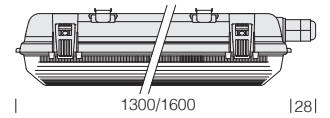
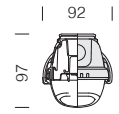
The luminaire comes with easily interchangeable optic, specifically designed for:

- anti-panic lighting in large areas: standard round lens.
- corridor/escape route lighting: optional oval lens.





IP66IK08



957 Echo HE - EM 1h S.A. - single LED module



		CLD E			LUMEN OUTPUT (tq= 25 °C)		% EM operation	
LED	colour	weight	L	code	W tot	K - ølm - CRI	h	%
LED	grey	2.10	1300	164730-07	42	4000K - 6543lm - CRI>80	1h	9%
		2.40	1600	164736-07	54	4000K - 8343lm - CRI>80	1h	7%

957 Echo HE - EM ED 1h - single LED module



		CLD ED			LUMEN OUTPUT (tq= 25 °C)		% EM operation	
LED	colour	weight	L	code	W tot	K - ølm - CRI	h	%
LED	grey	2.10	1300	164730-95	42	4000K - 6543lm - CRI>80	1h	9%
		2.40	1600	164736-95	54	4000K - 8343lm - CRI>80	1h	7%

957 Echo HE - EM AD 1h - single LED module



		CLD - Self-diagnosis			LUMEN OUTPUT (tq= 25 °C)		% EM operation	
LED	colour	weight	L	code	W tot	K - ølm - CRI	h	%
LED	grey	2.10	1300	164730-0766	42	4000K - 6543lm - CRI>80	1h	9%
		2.40	1600	164736-0766	54	4000K - 8343lm - CRI>80	1h	7%

957 Echo HE - EM EC - single LED module



		CLD EC			LUMEN OUTPUT (tq= 25 °C)		% EM operation	
LED	colour	weight	L	code	W tot	K - ølm - CRI	h	%
LED	grey	1.60	1300	164730-0050	39	4000K - 6543lm - CRI>80	1h	9%
		1.90	1600	164736-0050	51	4000K - 8343lm - CRI>80	1h	7%

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

Echo

Housing: injection moulded, vandal resistant, UV stabilised RAL 7035 grey polycarbonate, high mechanical resistance thanks to the stiffening ribs inside the structure.

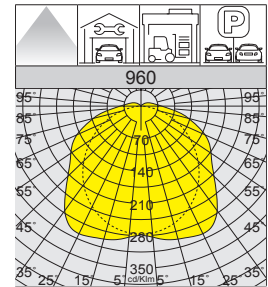
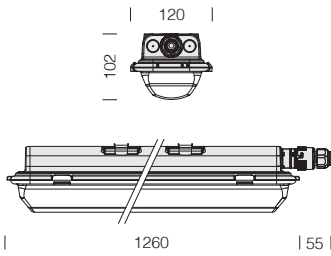
Diffuser: injection moulded V2 self-extinguishing, UV stabilised clear polycarbonate, prismatic inside for better light control. The smooth outside finishing facilitates cleaning, essential to ensure maximum lighting efficiency at all times.

Reflector: in galvanised steel, previously stove-enamelled with UV-stabilised polyester resin.

Equipment: plug connector. Material compatible with food industry environments. Mounting is also possible at low or very low temperatures (instant start and no flux decay).

For applications with direct exposure to sunlight, we recommend using Forma LED. Check the compatibility between the material constituting the product and the space where it will be installed.

IP66IK10



960 Hydro HP - EM 1h S.A. - HIGH PERFORMANCE

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	grey	2.40	164751-07	18	4000K - 3760lm - CRI>80	1h	21%	
			164752-07	23	4000K - 4610lm - CRI>80	1h	17%	
LED	grey	2.40	164754-07	27	4000K - 5490lm - CRI>80	1h	14%	
			164755-07	38	4000K - 7623lm - CRI>80	1h	10%	



960 Hydro HP - EM ED 1h - HIGH PERFORMANCE

LED	colour	weight	CLD ED		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	grey	2.40	164751-95	18	4000K - 3760lm - CRI>80	1h	21%	
			164752-95	23	4000K - 4610lm - CRI>80	1h	17%	
LED	grey	2.40	164754-95	27	4000K - 5490lm - CRI>80	1h	14%	
			164755-95	38	4000K - 7623lm - CRI>80	1h	10%	



960 Hydro HP - EM AD 1h - HIGH PERFORMANCE

LED	colour	weight	CLD - Self-diagnosis		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	grey	2.40	164751-0766	18	4000K - 3760lm - CRI>80	1h	21%	
			164752-0766	23	4000K - 4610lm - CRI>80	1h	17%	
LED	grey	2.40	164754-0766	27	4000K - 5490lm - CRI>80	1h	14%	
			164755-0766	38	4000K - 7623lm - CRI>80	1h	10%	



EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in AC/DC, powered by a central emergency unit (NOT incorporated into the luminaire).

960 Hydro HP - EM EC - HIGH PERFORMANCE

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	grey	1.90	164751-0050	18	4000K - 3760lm - CRI>80	
			164752-0050	23	4000K - 4610lm - CRI>80	
LED	grey	1.90	164754-0050	27	4000K - 5490lm - CRI>80	
			164755-0050	38	4000K - 7623lm - CRI>80	



Hydro HP

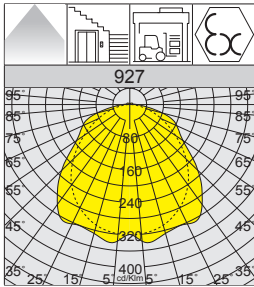
Housing: injection moulded, in grey polycarbonate, shatter-proof, UV-stabilised, highly resistant to mechanical impacts thanks to the reinforced structure with internal ribbing.

Diffuser: injected moulded in polycarbonate with internal ribbing for greater lighting control, in V2 self-extinguishing, UV-stabilised material; its smooth outer finish makes cleaning easier and increases lighting efficiency. Equipped with stainless steel screw clamping.

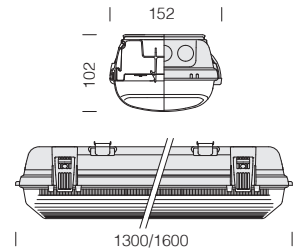
Reflector: in galvanised steel, previously stone-enamelled with UV-stabilised polyester resin. Clamping device manufactured directly onto the housing.

Standard supply: eco-friendly and anti-aging expanded polyurethane injected gasket. The fixing brackets for ceiling/suspension mounting are in stainless steel and waterproof connector for quick installation. The fixture is secured to the fixing brackets through quick connectors.

For installations with direct exposure to sunlight, we recommend using Forma LED. Check the compatibility between the material constituting the product and the space where it will be installed.



IP66IK10



927 Echo ATEX - EM 1h S.A. - ZONE 2 / ZONE 22



		CLD E			LUMEN OUTPUT (tq= 25 °C)		% EM operation	
LED	colour	weight	L	code	W tot	K - ølm - CRI	h	%
LED	grey	3.10	1300	164797-07	45	4000K - 6000lm - CRI>80	1h	16%
		3.50	1600	164798-07	65	4000K - 9264lm - CRI>80	1h	7%

927 Echo ATEX - EM 1h S.A. - ZONE 22

		CLD E			LUMEN OUTPUT (tq= 25 °C)		% EM operation	
LED	colour	weight	L	code	W tot	K - ølm - CRI	h	%
LED	grey	3.10	1300	164796-07	45	4000K - 6000lm - CRI>80	1h	16%
		3.50	1600	164799-07	65	4000K - 9264lm - CRI>80	1h	7%

927 Echo ATEX - EM EC - ZONE 2 / ZONE 22



		CLD EC			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	L	code	W tot	K - ølm - CRI
LED	grey	2.60	1300	164797-0050	45	4000K - 6000lm - CRI>80
		3.00	1600	164798-0050	65	4000K - 9264lm - CRI>80

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

927 Echo ATEX - EM EC - ZONE 22

		CLD EC			LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	L	code	W tot	K - ølm - CRI
LED	grey	2.60	1300	164796-0050	45	4000K - 6000lm - CRI>80
		3.00	1600	164799-0050	65	4000K - 9264lm - CRI>80



927 ATEX		
Protection against explosions	II 3G Ex nA OP IS IIC T4 IP66 Gc	II 3D Ex tc IIIC T135°C IP66 Dc
Allowed dangerous area	Zone 2 / Zone 22	
Allowed room temperature	+10°C ÷ +40°C	
Degree of protection	IP66	
Casing mechanical resistance	IK10	
Installation	ceiling - suspension	
Reference regulations	EN 60079-15 = Zone 2 EN 60079-31 = Zone 22	EN 60079-31 = Zone 22
	EN 60079-0, EN 60079-28 = Zone 2 and Zone 22	

Echo ATEX

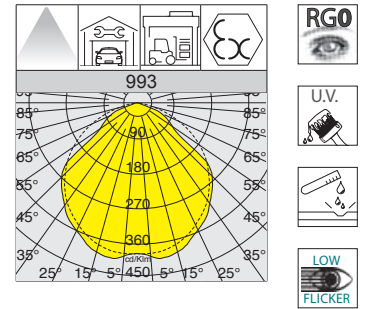
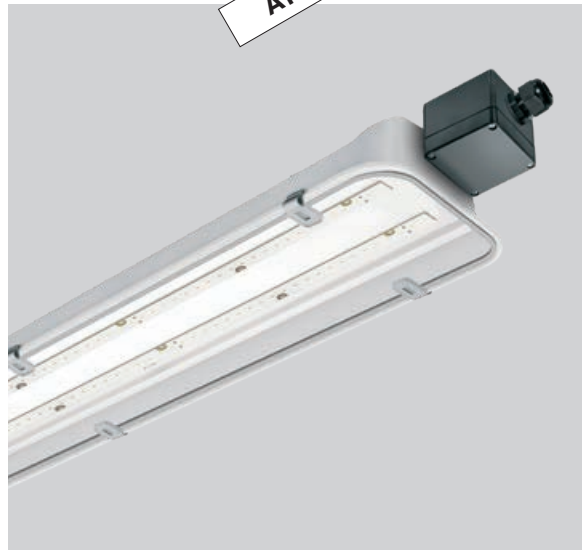
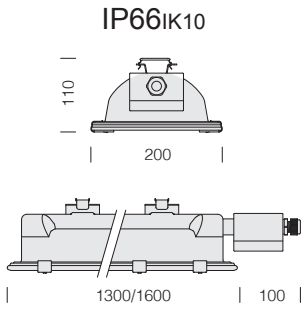
Housing: injection moulded, vandal resistant, UV stabilised RAL 7035 grey polycarbonate, high mechanical resistance thanks to the stiffening ribs inside the structure.

Diffuser: injection moulded V2 self-extinguishing, UV stabilised clear polycarbonate, prismatic inside for better light control. The smooth outside finishing facilitates cleaning, essential to ensure maximum lighting efficiency at all times.

Reflector: in galvanised steel, previously stove-enamelled with UV-stabilised polyester resin.

Equipment: cable gland.
exempt group.

ATEX



EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

993 Forma ATEX - EM EC - with transparent glass

LED	colour	CLD EC			W tot	LUMEN OUTPUT (tq= 25 °C)	
		weight	L	code		K - ølm - CRI	
LED	grey	7.20	1293	162495-0050	45	4000K - 6000lm - CRI>80	
		9.20	1593	162496-0050	65	4000K - 9264lm - CRI>80	

-0050
EM-EC
DRIVER
AC/DC

993 ATEX	
Protection against explosions	II 3G Ex nA OP IS IIC T4 IP65 Gc II 3D Ex tc IIIC T135°C IP65 Dc
Allowed dangerous area	Zone 2 / Zone 22
Allowed room temperature	-20°C ÷ +40°C
Degree of protection	IP65
Casing mechanical resistance	IK08
Installation	ceiling - suspension
Reference regulations	EN 60079-0; EN 60079-15; EN 60079-31; EN 60079-28

Forma ATEX

Housing: made of pressed steel, drawn in a single piece for high mechanical resistance. Supplied with frame.

Diffuser: impact-resistant transparent tempered glass.

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Standard supply: silicone rubber gasket. M20 nickel-plated brass cable gland. Locking system in stainless steel.



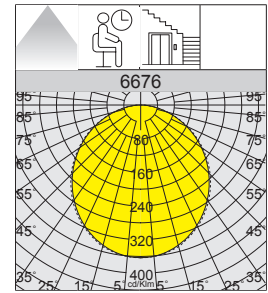
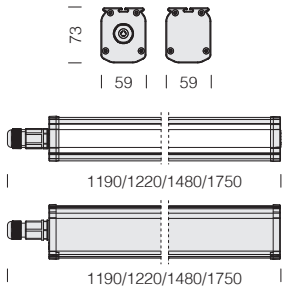
Kendo

Housing: extruded in self-extinguishing V2 PVC in white (black upon request).

Optics/Diffuser: high-performance polycarbonate, resistant to high temperatures and UV rays; lenticular versions with different photometric distributions: 30° narrow beam, 60°/90° wide beam, 35°x75° elliptical, asymmetric, bi-asymmetric.

Equipment: male/female connector for electrical connection, complete with **7-pole** switch for **EM**ergency or **DIMM**able **DALI** versions, with integrated phase selection device (*allowed cable cross-section 1.5 sqmm*); standard gear includes silicone rubber gaskets, steel suspension bracket/ceiling plate, junction bracket for continuous line installation, and extractable support bracket for the driver to facilitate maintenance and installation.

IP65IK10 ▽



Upon request: black version colour available.

6676 Kendo HE - EM 1h S.A. - with opal diffuser

LED	housing	CLD E			W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
		weight	L	code		K - ølm - CRI	h	%	
LED	white	1.30	1220	134070-07	40	4000K - 5670lm - CRI>80	1h	10%	
		1.50	1480	134072-07	55	4000K - 7760lm - CRI>80	1h	7%	



Fixture supplied as standard with AC/DC driver for centralised emergency systems.
Upon request version with pass-through wiring for continuous line mounting (subcode -0072).

6670 Kendo HE - EM 1h S.A. - UGR<19 - 30° narrow beam

LED	housing	CLD E			W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
		weight	L	code		K - ølm - CRI	h	%	
LED	white	1.30	1190	134000-07	35	4000K - 6156lm - CRI>80	1h	11%	
		1.50	1750	134002-07	50	4000K - 8816lm - CRI>80	1h	8%	



Fixture supplied as standard with AC/DC driver for centralised emergency systems.
Upon request version with pass-through wiring for continuous line mounting (subcode -0072).

6674 Kendo HE - EM 1h S.A. - asymmetric

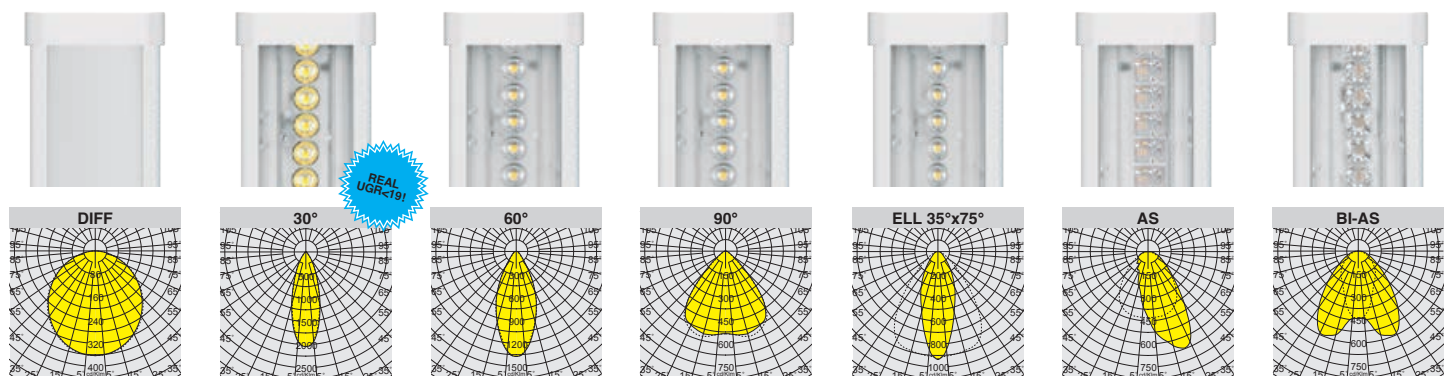
LED	housing	CLD E			W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
		weight	L	code		K - ølm - CRI	h	%	
LED	white	1.30	1190	134050-07	35	4000K - 5875lm - CRI>80	1h	11%	
		1.50	1750	134052-07	50	4000K - 8413lm - CRI>80	1h	8%	

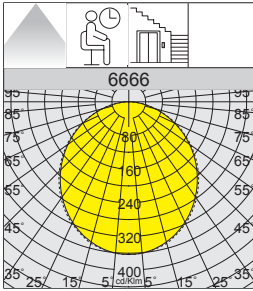


Fixture supplied as standard with AC/DC driver for centralised emergency systems.
Upon request version with pass-through wiring for continuous line mounting (subcode -0072).

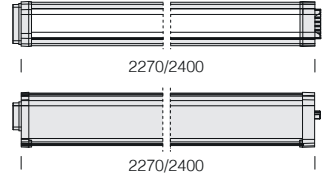
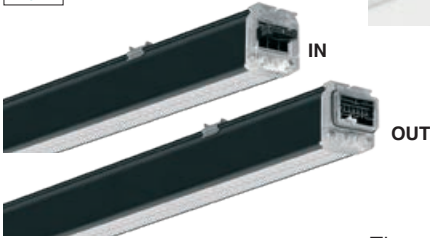
Kendo includes versions with high precision optics, making it the most complete solution for fulfilling the diverse needs of new lighting systems as well as for the relamping of existing installations.

A wide range of light distributions, including wide beam diffusers, 30° narrow beam lenticular optics, 60°/90° wide beam, 35°x75° elliptical, asymmetric, and bi-asymmetric options, makes this fixture ideal for achieving the prescribed illuminance levels with a rational and efficient use of light.





Upon request: black version colour available.



Fixture supplied as standard with **AC/DC** driver for centralised emergency systems.

The male/female quick connector allows for a simple and secure electrical connection between fixtures, connection joints and the power supply line. The integrated phase selection device enables both phase selection and separate switching when the ceiling lights are installed in a continuous line (allowed cable cross-section 1.5 sqmm).

6666 Kendo HE - CONNECT - with opal diffuser



		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	peso	L	code	W tot	K - ølm - CRI
LED	white	2.80	2400	134160-00	30	4000K - 4980lm - CRI>80
				134162-00	40	4000K - 6080lm - CRI>80
				134164-00	80	4000K - 11105lm - CRI>80

6660 Kendo HE - UGR<19 - CONNECT - 30° narrow beam



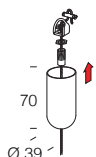
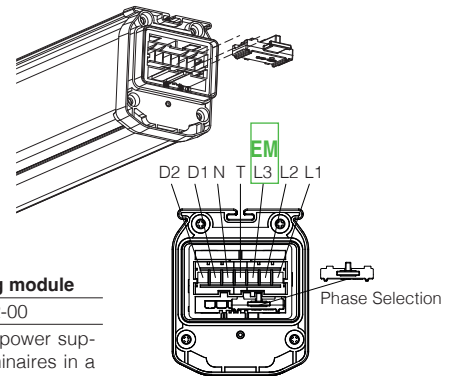
		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	peso	L	code	W tot	K - ølm - CRI
LED	white	2.70	2270	134100-00	30	4000K - 5811lm - CRI>80
				134102-00	45	4000K - 8274lm - CRI>80
				134104-00	65	4000K - 11820lm - CRI>80

6664 Kendo HE - CONNECT - asymmetric



		CLD			LUMEN OUTPUT (tq= 25 °C)	
LED	housing	peso	L	code	W tot	K - ølm - CRI
LED	white	2.70	2270	134140-00	30	4000K - 5546lm - CRI>80
				134142-00	45	4000K - 7896lm - CRI>80
				134144-00	65	4000K - 11280lm - CRI>80

TERMINAL	CONFIGURATION		
	STANDARD	EMERGENCY / UPS	MAX LOAD
L1	Phase 1	Phase 1	10A
L2	Phase 2	Phase 2	10A
L3	Phase 3	Phase 3 (L EM / UPS)	10A
PE	Ground	Ground	10A
N	Neutral	Neutral (comm)	10A
D1	Dali +	Dali +	10A
D2	Dali -	Dali -	10A



acc. 6510 suspension

white	993914-00
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Suspension supplied with Ø 2 mm steel wire, 1.5 m long. Max load: 30 kg. To suspend acc 6053.

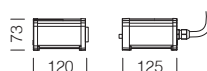


acc. 6512 wire

steel	132930-00
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Steel wire. To be used when installation requires a longer wire than the one supplied with acc. 6510.

IP65IK10



acc. 6691 power/closing module

white	994052-00
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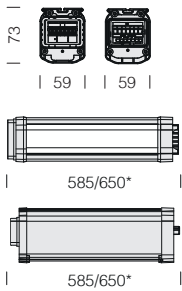
To be used with the initial power supply and for terminating luminaires in a continuous line.

acc. 6693 L-shaped joint

right	white	994056-00
left	white	994057-00

L-shaped electrical joint; allows for the angular L-shaped mechanical/electrical connection of fixtures..

IP65IK10



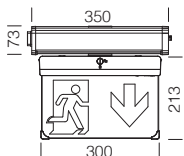
S.E. Emergency (Only emergency): in the event of a black-out the one lamp connected to the back-up circuit ignites.

S.A. Emergency (Maintained): in the event of a black-out the one lamp connected to the back-up circuit stays on. When power is restored, the battery recharges automatically.

acc. 6696 modulo - EM 3h S.E. Emergency Only - S.A. Maintained

CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation		
vers.	couleur	code	W tot	K - ølm - CRI	h	%
DIFF	white	994065-00	*20	4000K - 2750lm - CRI 80	3h	30%
30°	white	994067-00	12	4000K - 2167lm - CRI 80	3h	30%
AS	white	994075-00	12	4000K - 2068lm - CRI 80	3h	30%

Modulo in emergenza (3h) per fila continua da acquistare solo in impianti sprovvisti di emergenza centralizzata; possibilità di configurazione in modalità S.E. Solo Emergenza o S.A. Sempre Accesso, mediante selettore di fase. A richiesta versione DALI con sottocodice -95.

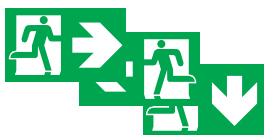


S.A. Emergency (Maintained): in the event of a black-out the one lamp connected to the back-up circuit stays on, thus avoiding the inconvenience caused by a sudden absence of all light. Emergency run time: 180 minutes. When power is restored, the battery recharges automatically.

acc. 6698 modulo Safety Flag - EM 3h S.A.

CLD E		LUMEN OUTPUT (tq= 25 °C)	
couleur	code	W tot	K - ølm - CRI
white	994080-00	3W	6500K - 320lm - CRI 80

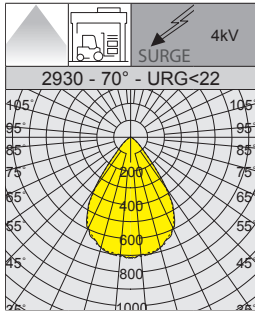
Modulo completo di plafoniera Safety Flag S.A. in EM con pulsante self-test per informazioni in tempo reale sullo stato dell'apparecchio; autonomia ≥3h e ricarica in ≤24h. Potenza in EM: 1W. Disponibile versione DALI con sottocodice -95.



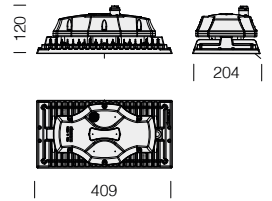
acc. 470 labels for acc. 6698

right out	995150-00
left out	995151-00
down out	995152-00

Pictograms available and visible up to 40 m. UNI EN1838. Bag containing 2 pieces



IP66IK08



Emergency wiring -07: the EM version is integrated as standard in the nylon box up to a maximum of 150W.

2930 Astro Q MICRO - EM 1h S.A. - UGR<22 - 70°



LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	3.70	390050-07	60	4000K - 10710lm - CRI 80	1h	6%	
			390051-07	90	4000K - 15645lm - CRI 80	1h	4%	
			390052-07	120	4000K - 19793lm - CRI 80	1h	3%	
			390053-07	150	4000K - 23993lm - CRI 80	1h	2%	

2931 Astro Q1 MICRO - EM 1h S.A. - UGR<25 - 90°



LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	3.70	390060-07	60	4000K - 10815lm - CRI 80	1h	6%	
			390061-07	90	4000K - 15855lm - CRI 80	1h	4%	
			390062-07	120	4000K - 20003lm - CRI 80	1h	3%	
			390063-07	150	4000K - 24255lm - CRI 80	1h	2%	

2932 Astro Q2 MICRO - EM 1h S.A. - UGR<25 - elliptical beam



LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	3.70	390040-07	60	4000K - 10605lm - CRI 80	1h	6%	
			390041-07	90	4000K - 15488lm - CRI 80	1h	4%	
			390042-07	120	4000K - 19583lm - CRI 80	1h	3%	
			390043-07	150	4000K - 23783lm - CRI 80	1h	2%	

2933 Astro Q4 MICRO - EM 1h S.A. - UGR<22 - asymmetric 40°



LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	3.70	390070-07	60	4000K - 10350lm - CRI 80	1h	6%	
			390071-07	90	4000K - 14650lm - CRI 80	1h	4%	
			390072-07	120	4000K - 19550lm - CRI 80	1h	3%	
			390073-07	150	4000K - 23250lm - CRI 80	1h	2%	

2934 Astro Q5 MICRO - EM 1h S.A. - UGR<22 - bi-asymmetric 40°



LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	3.70	390080-07	60	4000K - 10350lm - CRI 80	1h	6%	
			390081-07	90	4000K - 14650lm - CRI 80	1h	4%	
			390082-07	120	4000K - 19550lm - CRI 80	1h	3%	
			390083-07	150	4000K - 23250lm - CRI 80	1h	2%	

Astro Q MICRO

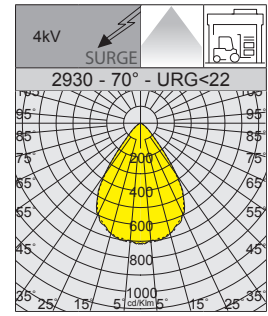
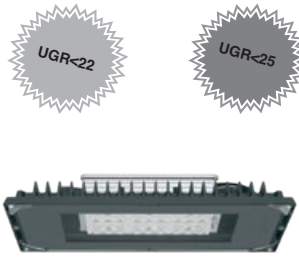
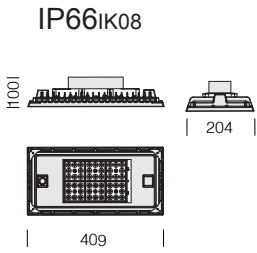
Housing/Frame: in die-cast aluminium with cooling fins integrated into the cover and designed with a very small surface exposed to wind.

Diffuser: in tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

Coating: the fully automated powder-coating cycle involves a polyester-based, salt-spray corrosion-resistant and UV-stabilised paint.

Standard supply: the fixture is equipped with waterproof connector for quick installation with **no need to open the fixture**; external screws and bolts in stainless steel. temperature control inside the device with automatic resetting.

Two attachment points: they are supplied with two steel cables (L= 25cm) having clamping ring for suspension mounting the fixture from two points of attachment.



EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

Note: the standard version operates at 100% of its luminous flux (lm).

Upon request: rates of luminous flux (lm) can be customised but with a minimum level of 15%.

2930 Astro Q MICRO - EM EC - UGR<22 - 70°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	3.20	390050-0050	60	4000K - 10710lm - CRI 80	
			390051-0050	90	4000K - 15645lm - CRI 80	
			390052-0050	120	4000K - 19793lm - CRI 80	
			390053-0050	150	4000K - 23993lm - CRI 80	

2931 Astro Q1 MICRO - EM EC - UGR<25 - 90°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	3.20	390060-0050	60	4000K - 10815lm - CRI 80	
			390061-0050	90	4000K - 15855lm - CRI 80	
			390062-0050	120	4000K - 20003lm - CRI 80	
			390063-0050	150	4000K - 24255lm - CRI 80	

2932 Astro Q2 MICRO - EM EC - UGR<25 - elliptical beam

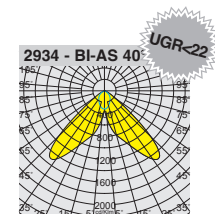
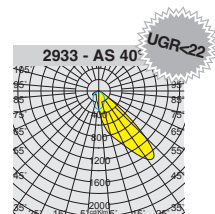
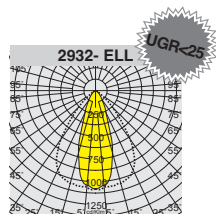
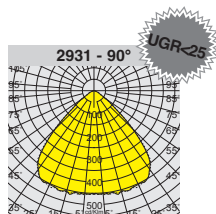
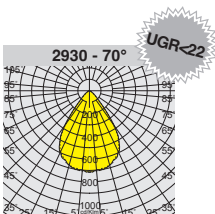
LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	3.20	390040-0050	60	4000K - 10605lm - CRI 80	
			390041-0050	90	4000K - 15488lm - CRI 80	
			390042-0050	120	4000K - 19583lm - CRI 80	
			390043-0050	150	4000K - 23783lm - CRI 80	

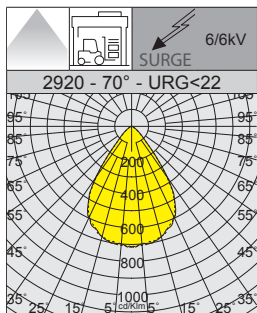
2933 Astro Q4 MICRO - EM EC - UGR<22 - asymmetric 40°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	3.20	390070-0050	60	4000K - 10350lm - CRI 80	
			390071-0050	90	4000K - 14650lm - CRI 80	
			390072-0050	120	4000K - 19550lm - CRI 80	
			390073-0050	150	4000K - 23250lm - CRI 80	

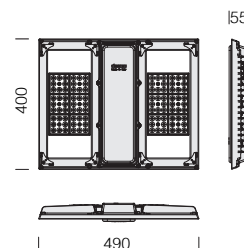
2934 Astro Q5 MICRO - EM EC - UGR<22 - bi-asymmetric 40°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	3.20	390080-0050	60	4000K - 10350lm - CRI 80	
			390081-0050	90	4000K - 14650lm - CRI 80	
			390082-0050	120	4000K - 19550lm - CRI 80	
			390083-0050	150	4000K - 23250lm - CRI 80	





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2920 Astro Q MINI - EM 1h S.A. - UGR<22 - 70°

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	5.50	380030-07	90	4000K - 16632lm - CRI 80	1h	4%	
			380031-07	120	4000K - 21830lm - CRI 80	1h	3%	
			380032-07	150	4000K - 27027lm - CRI 80	1h	2%	
			380033-07	200	4000K - 33264lm - CRI 80	1h	2%	

2921 Astro Q1 MINI - EM 1h S.A. - UGR<25 - 90°

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	5.50	380040-07	90	4000K - 16800lm - CRI 80	1h	4%	
			380041-07	120	4000K - 22050lm - CRI 80	1h	3%	
			380042-07	150	4000K - 27300lm - CRI 80	1h	2%	
			380043-07	200	4000K - 33600lm - CRI 80	1h	2%	

2922 Astro Q2 MINI - EM 1h S.A. - UGR<25 - ellittico

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	5.50	380050-07	90	4000K - 16640lm - CRI 80	1h	4%	
			380051-07	120	4000K - 21841lm - CRI 80	1h	3%	
			380052-07	150	4000K - 27041lm - CRI 80	1h	2%	
			380053-07	200	4000K - 33281lm - CRI 80	1h	2%	

2924 Astro Q3 MINI - EM 1h S.A. - UGR<25 - diffondente XL

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	5.50	390100-07	90	4000K - 16320lm - CRI 80	1h	4%	
			390101-07	120	4000K - 21260lm - CRI 80	1h	3%	
			390102-07	150	4000K - 27320lm - CRI 80	1h	2%	
			390103-07	200	4000K - 34070lm - CRI 80	1h	2%	

2925 Astro Q4 MINI - EM 1h S.A. - UGR<22 - asimmetrico 40°

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	5.50	390110-07	90	4000K - 15850lm - CRI 80	1h	4%	
			390111-07	120	4000K - 20650lm - CRI 80	1h	3%	
			390112-07	150	4000K - 26530lm - CRI 80	1h	2%	
			390113-07	200	4000K - 33150lm - CRI 80	1h	2%	

2926 Astro Q5 MINI - EM 1h S.A. - UGR<25 - asimmetrico 55°

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	5.50	390120-07	90	4000K - 15530lm - CRI 80	1h	4%	
			390121-07	120	4000K - 20237lm - CRI 80	1h	3%	
			390122-07	150	4000K - 25950lm - CRI 80	1h	2%	
			390123-07	200	4000K - 32487lm - CRI 80	1h	2%	

Astro Q MINI

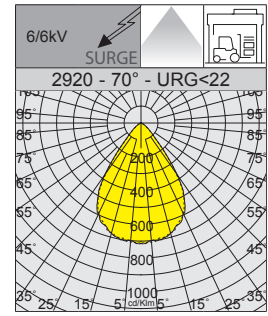
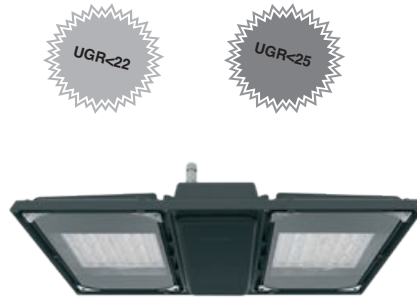
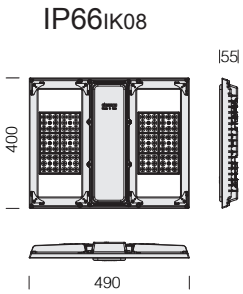
Housing/Frame: in die-cast aluminium with cooling fins integrated into the cover and designed with a very small surface exposed to wind.

Diffuser: in tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

Coating: the fully automated powder-coating cycle involves a polyester-based, salt-spray corrosion-resistant and UV-stabilised paint.

Standard supply: the fixture is equipped with waterproof connector for quick installation with **no need to open the fixture**; external screws and bolts in stainless steel. temperature control inside the device with automatic resetting.

Two attachment points: they are supplied with two steel cables (L= 25cm) having clamping ring for suspension mounting the fixture from two points of attachment.



EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

Note: the standard version operates at 100% of its luminous flux (lm).

Upon request: rates of luminous flux (lm) can be customised but with a minimum level of 15%.



2920 Astro Q MINI - EM EC - UGR<22 - 70°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	5.00	380030-0050	90	4000K - 16632lm	CRI 80
			380031-0050	120	4000K - 21830lm	CRI 80
			380032-0050	150	4000K - 27027lm	CRI 80
			380033-0050	200	4000K - 33264lm	CRI 80

2921 Astro Q1 MINI - EM EC - UGR<25 - 90°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	5.00	380040-0050	90	4000K - 16800lm	CRI 80
			380041-0050	120	4000K - 22050lm	CRI 80
			380042-0050	150	4000K - 27300lm	CRI 80
			380043-0050	200	4000K - 33600lm	CRI 80

2922 Astro Q2 MINI - EM EC - UGR<25 - elliptical beam

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	5.00	380050-0050	90	4000K - 16640lm	CRI 80
			380051-0050	120	4000K - 21841lm	CRI 80
			380052-0050	150	4000K - 27041lm	CRI 80
			380053-0050	200	4000K - 33281lm	CRI 80

2924 Astro Q3 MINI - EM EC - UGR<25 - wide beam XL

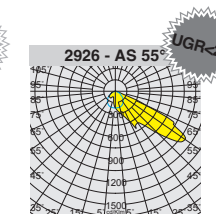
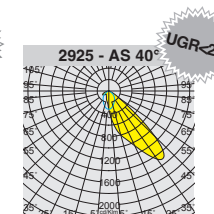
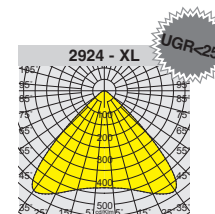
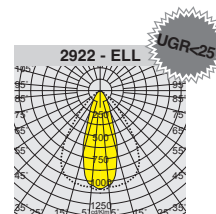
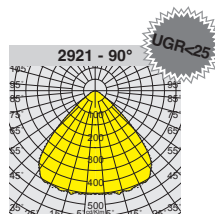
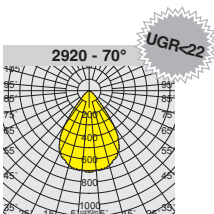
LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	5.00	390100-0050	90	4000K - 16320lm	CRI 80
			390101-0050	120	4000K - 21260lm	CRI 80
			390102-0050	150	4000K - 27320lm	CRI 80
			390103-0050	200	4000K - 34070lm	CRI 80

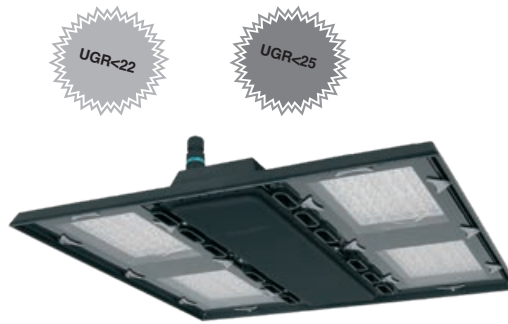
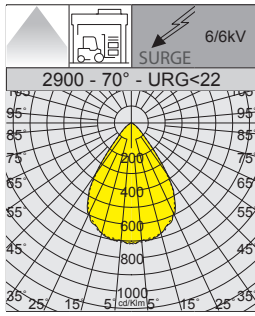
2925 Astro Q4 MINI - EM EC - UGR<22 - asymmetric 40°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	5.00	390110-0050	90	4000K - 15850lm	CRI 80
			390111-0050	120	4000K - 20650lm	CRI 80
			390112-0050	150	4000K - 26530lm	CRI 80
			390113-0050	200	4000K - 33150lm	CRI 80

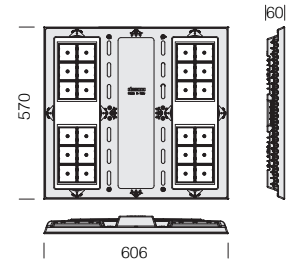
2926 Astro Q5 MINI - EM EC - UGR<25 - asymmetric 55°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	5.00	390120-0050	90	4000K - 15530lm	CRI 80
			390121-0050	120	4000K - 20237lm	CRI 80
			390122-0050	150	4000K - 25950lm	CRI 80
			390123-0050	200	4000K - 32487lm	CRI 80





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2900 Astro Q1 - EM 1h S.A. - UGR<22 - 70°

LED		colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
code	W tot			K - ølm - CRI	h	%			
LED	RAL 7021	11.00	380000-07	200	4000K - 35343lm - CRI 80	1h	2%		
			380001-07	250	4000K - 42620lm - CRI 80	1h	2%		
			380002-07	300	4000K - 50936lm - CRI 80	1h	1%		
			380003-07	350	4000K - 57173lm - CRI 80	1h	1%		

2901 Astro Q1 - EM 1h S.A. - UGR<25 - 90°

LED		colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
code	W tot			K - ølm - CRI	h	%			
LED	RAL 7021	11.00	380010-07	200	4000K - 35700lm - CRI 80	1h	2%		
			380011-07	250	4000K - 43050lm - CRI 80	1h	2%		
			380012-07	300	4000K - 51450lm - CRI 80	1h	1%		
			380013-07	350	4000K - 57750lm - CRI 80	1h	1%		

2902 Astro Q2 - EM 1h S.A. - UGR<25 - elliptical beam

LED		colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
code	W tot			K - ølm - CRI	h	%			
LED	RAL 7021	11.00	380020-07	200	4000K - 35358lm - CRI 80	1h	2%		
			380021-07	250	4000K - 42632lm - CRI 80	1h	2%		
			380022-07	300	4000K - 50951lm - CRI 80	1h	1%		
			380023-07	350	4000K - 57190lm - CRI 80	1h	1%		

2900 Astro Q1 - EM EC - UGR<22 - 70°

LED		colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
code	W tot			K - ølm - CRI			
LED	RAL 7021	10.50	380000-0050	200	4000K - 35343lm - CRI 80		
			380001-0050	250	4000K - 42620lm - CRI 80		
			380002-0050	300	4000K - 50936lm - CRI 80		
			380003-0050	350	4000K - 57173lm - CRI 80		

2901 Astro Q1 - EM EC - UGR<25 - 90°

LED		colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
code	W tot			K - ølm - CRI			
LED	RAL 7021	10.50	380010-0050	200	4000K - 35700lm - CRI 80		
			380011-0050	250	4000K - 43050lm - CRI 80		
			380012-0050	300	4000K - 51450lm - CRI 80		
			380013-0050	350	4000K - 57750lm - CRI 80		

2902 Astro Q2 - EM EC - UGR<25 - elliptical beam

LED		colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
code	W tot			K - ølm - CRI			
LED	RAL 7021	10.50	380020-0050	200	4000K - 35358lm - CRI 80		
			380021-0050	250	4000K - 42632lm - CRI 80		
			380022-0050	300	4000K - 50951lm - CRI 80		
			380023-0050	350	4000K - 57190lm - CRI 80		

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

Note: the standard version operates at 100% of its luminous flux (lm).

Upon request: rates of luminous flux (lm) can be customised but with a minimum level of 15%.



Astro Q

Housing/Frame: in die-cast aluminium with cooling fins integrated into the cover and designed with a very small surface exposed to wind.

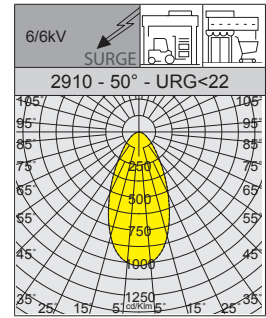
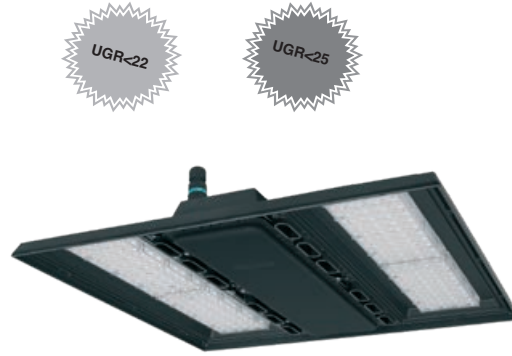
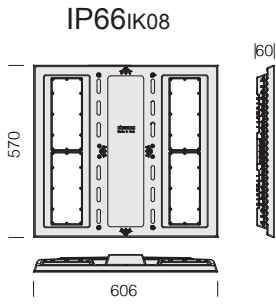
Lenses: in PMMA, highly resistant to temperature and UV radiation.

Diffuser: art. 2900-2901-2902 with tempered glass, 4 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Standard supply: the fixture is equipped with air recirculation valve and insulation connector for quick installation with **no need to open the fixture**; silicone rubber gasket; external screws and bolts in stainless steel. temperature control inside the device with automatic resetting.

Two attachment points: they are supplied with two steel cables (L= 25cm) having clamping ring for suspension mounting the fixture from two points of attachment.



2910 Astro Q10 - EM 1h S.A. - *UGR<22 - 50°

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	10.70	* 390000-07	195	4000K - 32603lm - CRI 80	1h	2%	
			390001-07	235	4000K - 40005lm - CRI 80	1h	2%	
			390002-07	290	4000K - 46830lm - CRI 80	1h	1%	
			390003-07	340	4000K - 53340lm - CRI 80	1h	1%	



2911 Astro Q11 - EM 1h S.A. - *UGR<25 - 90°

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	10.70	* 390010-07	195	4000K - 33758lm - CRI 80	1h	2%	
			* 390011-07	235	4000K - 41423lm - CRI 80	1h	2%	
			* 390012-07	290	4000K - 48458lm - CRI 80	1h	1%	
			390013-07	340	4000K - 55440lm - CRI 80	1h	1%	



2912 Astro Q12 - EM 1h S.A. - elliptical beam

LED	colour	weight	CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code	W tot	K - ølm - CRI	h	%	
LED	RAL 7021	10.70	390020-07	195	4000K - 34913lm - CRI 80	1h	2%	
			390021-07	235	4000K - 42788lm - CRI 80	1h	2%	
			390022-07	290	4000K - 50085lm - CRI 80	1h	1%	
			390023-07	340	4000K - 57015lm - CRI 80	1h	1%	



2910 Astro Q10 - EM EC - *UGR<22 - 50°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	10.20	* 390000-0050	195	4000K - 32603lm - CRI 80	
			390001-0050	235	4000K - 40005lm - CRI 80	
			390002-0050	290	4000K - 46830lm - CRI 80	
			390003-0050	340	4000K - 53340lm - CRI 80	



2911 Astro Q11 - EM EC - *UGR<25 - 90°

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	10.20	* 390010-0050	195	4000K - 33758lm - CRI 80	
			* 390011-0050	235	4000K - 41423lm - CRI 80	
			* 390012-0050	290	4000K - 48458lm - CRI 80	
			390013-0050	340	4000K - 55440lm - CRI 80	

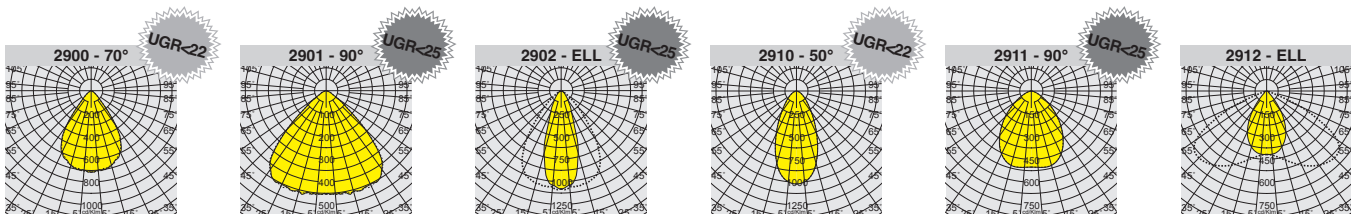


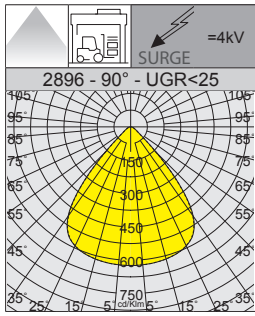
2912 Astro Q12 - EM EC - elliptical beam

LED	colour	weight	CLD EC		LUMEN OUTPUT (tq= 25 °C)	
			code	W tot	K - ølm - CRI	
LED	RAL 7021	10.20	390020-0050	195	4000K - 34913lm - CRI 80	
			390021-0050	235	4000K - 42788lm - CRI 80	
			390022-0050	290	4000K - 50085lm - CRI 80	
			390023-0050	340	4000K - 57015lm - CRI 80	

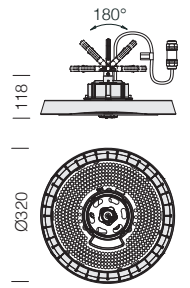


EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).
Note: the standard version operates at 100% of its luminous flux (lm).
Upon request: rates of luminous flux (lm) can be customised but with a minimum level of 15%.





IP65IK10



2896 Quasar - EM 1h S.A. - UGR<25 - POWER SWITCH - 90°

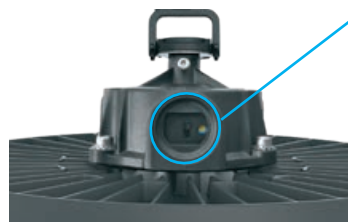


LED		CLD (0-10V) DE		W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
colour	weight	code			K - ølm - CRI	h	%	
LED	black	3.00	380092-85		100	4000K - 21655lm - CRI 80	1h	5%
					120	4000K - 26000lm - CRI 80	1h	4%
					150	4000K - 32170lm - CRI 80	1h	3%



Version with **EM**ergency predisposition with **subcode -85** (with a surcharge), to be always used with emergency box **acc. 1175** to be purchased separately.

acc. 1175 Emergency box	
1h	986605-00



POWER SWITCH standard version: in a single body frame, you have a fully equipped luminaire designed to meet any need; with integrated switch you can select the fixture's total wattage, maintaining aesthetic continuity and differentiating the amount of light emitted.

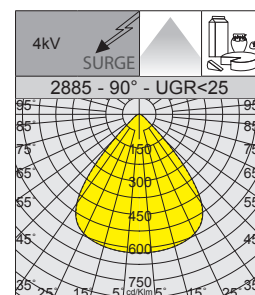
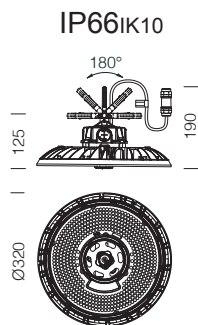
Quasar

Housing: in die-cast aluminium with cooling fins.

Optics: polycarbonate with concentric rings.

Coating: the fully automated powder-coating cycle involves a polyester-based, salt-spray corrosion-resistant and UV-stabilised paint.

Equipment: the fixture is equipped with waterproof connector for quick installation; external screws and bolts in stainless steel.



2885 Saturno - EM 1h S.A. - UGR<25 - POWER SWITCH - 90°

LED	colour	weight	CLD (0-10V) DE code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI	% funzionamento in EM	
						h	%
LED	RAL 7021	2.00	330785-85	80	4000K - 15343lm - CRI 80	1h	6%
				100	4000K - 19010lm - CRI 80	1h	5%
				120	4000K - 23011lm - CRI 80	1h	4%
LED	RAL 7021	2.00	330786-85	100	4000K - 19010lm - CRI 80	1h	5%
				125	4000K - 24814lm - CRI 80	1h	4%
				150	4000K - 28100lm - CRI 80	1h	3%
LED	RAL 7021	2.00	330787-85	110	4000K - 20255lm - CRI 80	1h	5%
				150	4000K - 28100lm - CRI 80	1h	4%
				200	4000K - 34470lm - CRI 80	1h	3%



POWER SWITCH standard version: in a single body frame, you have a fully equipped luminaire designed to meet any need; with integrated switch you can select the fixture's total wattage, maintaining aesthetic continuity and differentiating the amount of light emitted.



Version with **Emergency** predisposition with **subcode -85** (with a surcharge), to be always used with emergency box **acc. 1175** to be purchased separately.



acc. 1175 Emergency box	
1h	986605-00

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

2885 Saturno - EM EC - UGR<25 - POWER SWITCH - 90°

LED	colour	weight	CLD EC code	W tot	LUMEN OUTPUT (tq= 25 °C) K - ølm - CRI
LED	RAL 7021	2.00	330785-0050	80	4000K - 15343lm - CRI 80
				100	4000K - 19010lm - CRI 80
				120	4000K - 23011lm - CRI 80
LED	RAL 7021	2.00	330786-0050	100	4000K - 19010lm - CRI 80
				125	4000K - 24814lm - CRI 80
				150	4000K - 28100lm - CRI 80
LED	RAL 7021	2.00	330787-0050	110	4000K - 20255lm - CRI 80
				150	4000K - 28100lm - CRI 80
				200	4000K - 34470lm - CRI 80



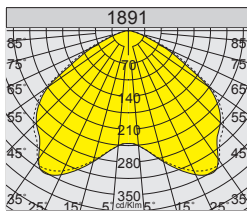
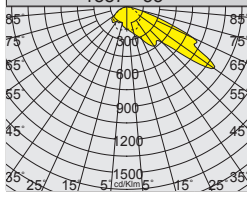
Saturno

Housing: in die-cast aluminium with cooling fins integrated into the cover.

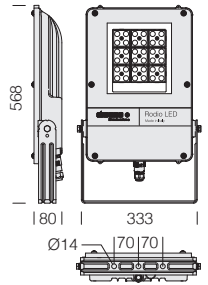
Diffuser: in clear polycarbonate, LEDs with protective lenses.

Coating: the fully automated powder-coating cycle involves a polyester-based, salt-spray corrosion-resistant and UV-stabilised paint.

Equipment: the fixture is equipped with air recirculation valve and waterproof connector for quick installation with **no need to open the fixture**; external screws and bolts in stainless steel.



IP66IK09



1887 Rodio - EM EC - asymmetric



		CLD EC		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI - degrees
LED	graphite	6.00	414757-0050	160	4000K - 25547lm - CRI 80 - 45°
			414757-3950		3000K - 24269lm - CRI 80 - 45°
			414753-0050		4000K - 25206lm - CRI 80 - 55°
			414753-3950		3000K - 23946lm - CRI 80 - 55°
LED	graphite	6.00	414727-0050	180	4000K - 27303lm - CRI 80 - 45°
			414727-3950		3000K - 25938lm - CRI 80 - 45°
			414728-0050		4000K - 26211lm - CRI 80 - 55°
			414728-3950		3000K - 24900lm - CRI 80 - 55°

EM EC: with emergency wiring supplied by centralised power unit: permanent luminaire, with power supply unit operating in **AC/DC**, powered by a central emergency unit (NOT incorporated into the luminaire).

Note: the standard version operates at 100% of its luminous flux (lm).

Upon request: rates of luminous flux (lm) can be customised but with a minimum level of 15%.

1891 Rodio - EM EC - symmetric wide beam



		CLD EC		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
LED	graphite	6.00	414787-0050	160	4000K - 25579lm - CRI 80
			414787-3950		3000K - 24300lm - CRI 80
LED	graphite	6.00	414783-0050	180	4000K - 27126lm - CRI 80
			414783-3950		3000K - 25770lm - CRI 80

1892 Rodio - EM EC



		CLD EC		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm - CRI
LED	graphite	6.00	414777-0050	160	4000K - 23641lm - CRI 80
			414777-3950		3000K - 22459lm - CRI 80
LED	V	6.00	414749-0050	180	4000K - 25070lm - CRI 80
			414749-3950		3000K - 23817lm - CRI 80

Rodio

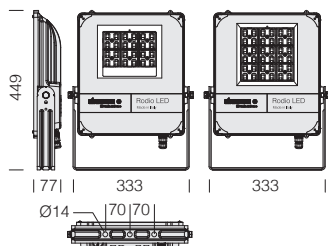
Housing: in die-cast aluminium with cooling fins.

Diffuser: 5mm thick tempered glass, resistant to thermal shocks and impacts (UNI-EN 12150-1 : 2001).

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Equipment: complete with galvanised and coated bracket. Silicone rubber gasket; external screws and bolts in stainless steel; air recirculation valve. Airtight connector for quick installation with **no need to open the fixture**.

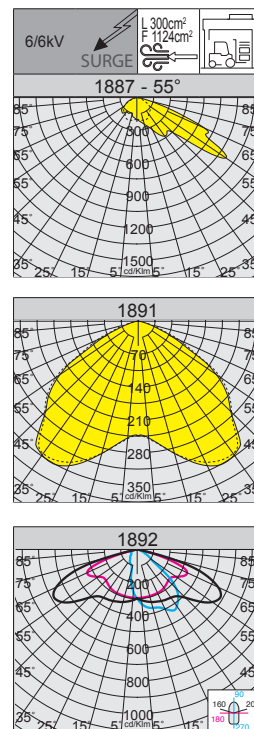
IP66IK09



75W



110W



1887 Rodio - EM 1h S.A. - asymmetric

LED	colour	weight	CLD E		W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code			K - ølm - CRI - degrees	h	%	
LED	graphite	5.50	414755-07	75	75	4000K - 12000lm - CRI 80 - 45°	1h	5%	
			414755-0728			3000K - 11400lm - CRI 80 - 45°	1h	5%	
LED	graphite	5.50	414723-07	110	110	4000K - 18934lm - CRI 80 - 45°	1h	3%	
			414723-0728			3000K - 17987lm - CRI 80 - 45°	1h	3%	
LED	graphite	5.50	414724-07	110	110	4000K - 18856lm - CRI 80 - 55°	1h	3%	
			414724-0728			3000K - 17913lm - CRI 80 - 55°	1h	3%	



1891 Rodio - EM 1h S.A. - symmetric wide beam

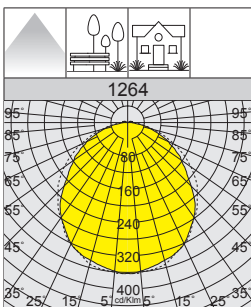
LED	colour	weight	CLD E		W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code			K - ølm - CRI - degrees	h	%	
LED	graphite	5.50	414785-07	75	75	4000K - 11745lm - CRI 80	1h	5%	
			414785-0728			3000K - 11158lm - CRI 80	1h	5%	
LED	graphite	5.50	414781-07	110	110	4000K - 18569lm - CRI 80	1h	3%	
			414781-0728			3000K - 17640lm - CRI 80	1h	3%	



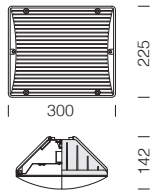
1892 Rodio - EM 1h S.A.

LED	colour	weight	CLD E		W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
			code			K - ølm - CRI - degrees	h	%	
LED	graphite	5.50	414775-07	75	75	4000K - 10854lm - CRI 80	1h	5%	
			414775-0728			3000K - 10311lm - CRI 80	1h	5%	
LED	graphite	5.50	414747-07	110	110	4000K - 17211lm - CRI 80	1h	3%	
			414747-0728			3000K - 16350lm - CRI 80	1h	3%	





IP65IK08



Self adhesive pictograms available:



995111-00



995112-00



995113-00



995114-00



995115-00



995116-00



995117-00



995118-00

1264 Vega - EM 1h S.A.



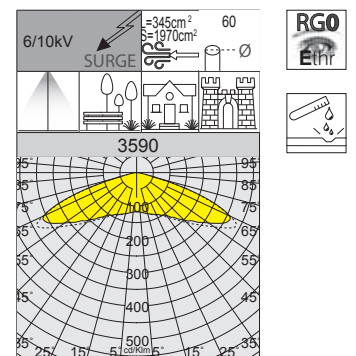
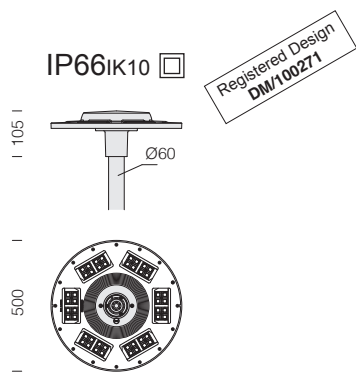
		CLD E		LUMEN OUTPUT (tq= 25 °C)		% EM operation	
LED	colour	weight	code	W tot	K - ølm - CRI	h	%
LED	black	2.00	420665-07	10	4000K - 1760lm - CRI 70	1h	31%
	grey		420666-07				

Vega

Housing: in nylon UV-stabilised.

Reflector: hammered aluminium.

Diffuser: anti-glare, vandal resistant, V2 selfExtinguishing, UV-stabilised matt polycarbonate.



3590 Ischia - EM 1h S.A. - rotosymmetric wide beam RW

LED	colour	weight	CLD E code	W tot	LUMEN OUTPUT (tq= 25 °C)		% EM operation	
					K - ølm - CRI	h	%	
LED	graphite	5.40	424660-07	30	4000K - 4770lm - CRI 70	1h	13%	
			424660-0728		3000K - 4510lm - CRI 70			
LED	graphite	5.40	424661-07	38	4000K - 6030lm - CRI 70	1h	10%	
			424661-0728		3000K - 5710lm - CRI 70			



Ischia

Housing: pressed in die-cast aluminium.

Pole connection: pressed in die-cast aluminium. Suited for poles with a diameter 60 mm.

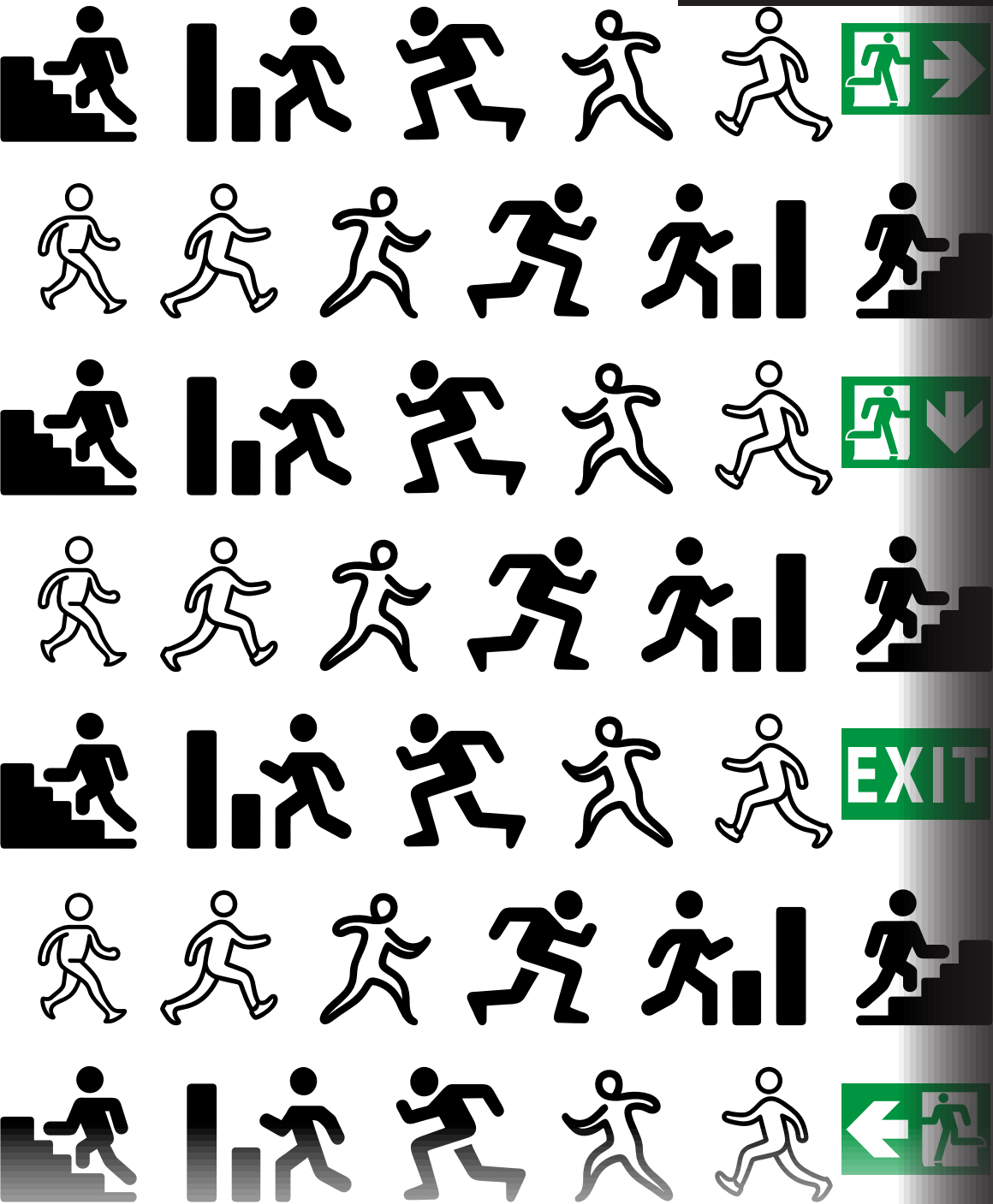
Diffuser: polycarbonate 2,5 mm thick, thermal shock and impact resistant (UNI-EN 12150-1: 2001).

Coating: the standard powder coating consists of a first metal surface pre-treatment stage and of single layer of UV-stabilised, corrosion and salt resistant polyester powder coating.

Upon request: coating for marine environments (seafront) in compliance with UNI EN ISO 9227.

EMERGENCY

SELECTION OF EM LIGHTING



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