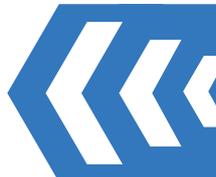
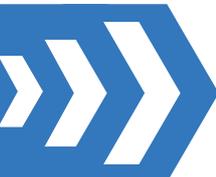




**disano** ●  
illuminazione  
[www.disano.it](http://www.disano.it)



**fosnova**  
[www.fosnova.it](http://www.fosnova.it)

**SUSTAINABLE, SECURE, AFFORDABLE AND EFFICIENT PRODUCTS**

M A D E I N I T A L Y



Was established in 1957 and today is a leading company in Italy and one of the top ranking companies in Europe for the production of lighting fittings. The corporate philosophy adopted by Disano is the same philosophy that established the success of the made in Italy products worldwide: high-quality products, high reliability and the greatest attention paid to customer relationships. **Disano group** products represent the right solution for all the needs of architects, designers and installers, thanks to their refined design, compliance with environmental regulations, energy-saving features, and the use of cutting-edge technologies to achieve light management. In addition, Disano offers all the advantages of an industrial and commercial organisation capable of supporting the client, ranging from the choice of products, to design consulting, and to technical support services.



Founded in 2012, it operates in Dublin (AL Ballybay Co. Monaghan, CORDOOLOUGH) and manages the promotion of Disano Products across Ireland.

The office is equipped to provide sales services and technical support. It also supplies technical and lighting assistance with support from the Consultancy Centre.

Disano and Fosnova have approved some products to be included in the **Lighting reality PRO**, lighting design program.

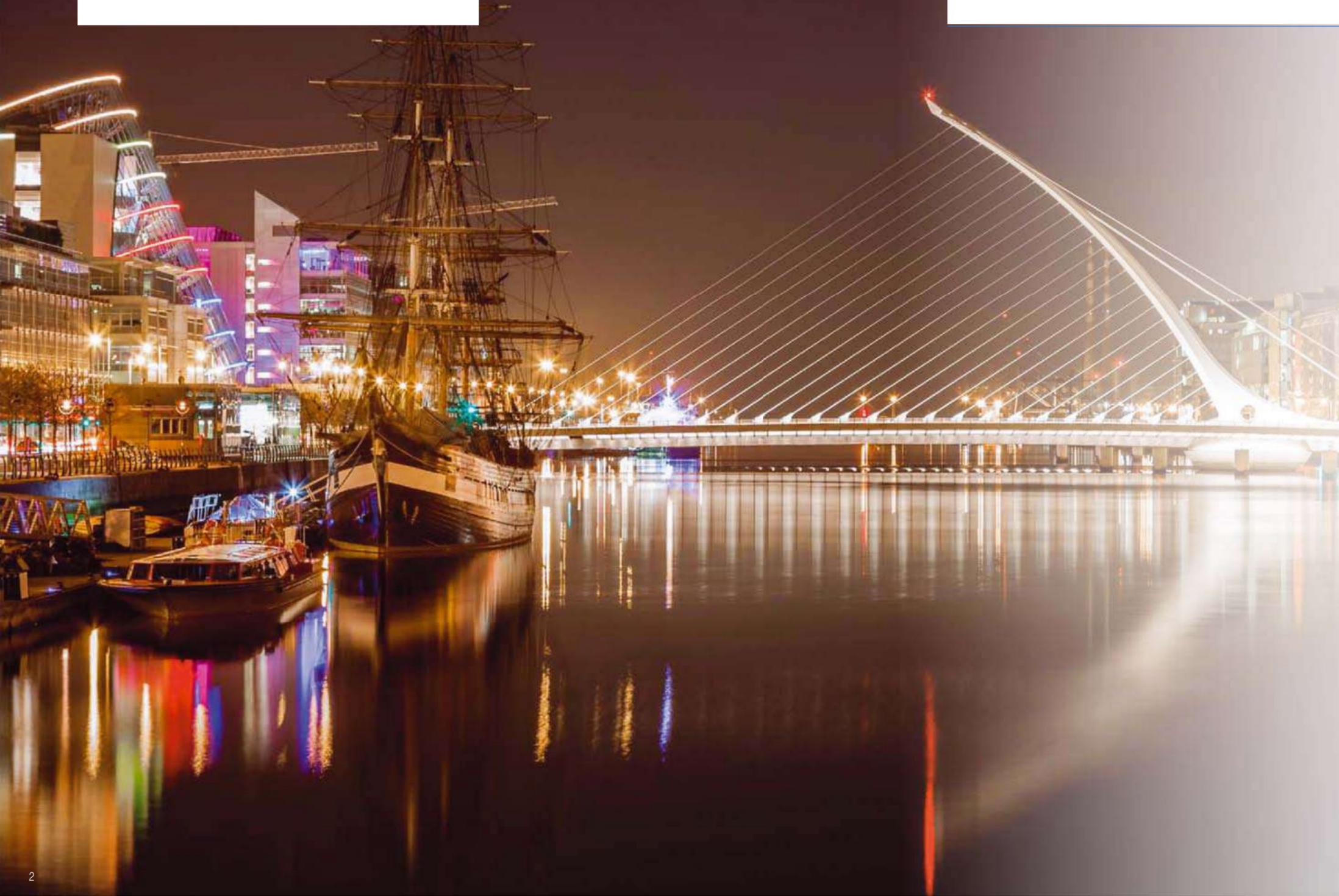
This short guide includes products approved by **SEAI**, a body that strives to create a cleaner energy future for Ireland.

By using Disano and Fosnova **LED** luminaires, considerable energy savings are obtained, long life of the luminaires (resulting in less maintenance), respect for the environment and freedom of design.

Thanks to the Disano and Fosnova **LED** luminaires, the future is increasingly sustainable.

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Seai is Ireland's national sustainable energy authority. It is organised into seven departments and operates from offices in Dublin, Cork and Sligo. Our vision is for Ireland's energy to be sustainable, secure, affordable, and clean. To achieve this, Ireland must use less energy, move to clean energy, and innovate to create new solutions to meet our energy needs. Leading the transition to smarter and more sustainable energy activities is central to what we do. Sustainable energy improves people's lives, brings comfort and convenience, and addresses environmental challenges. It is also beneficial to our economy, creating and protecting jobs. Our role is to help homes, businesses, communities, and industry to be more energy efficient. We also support the development of clean energy technologies that cause less harm to the environment.

## lightingreality

Lighting reality PRO is a fast and easy-to-use PC software lighting design application, which enables lighting designers to quickly produce standards-compliant street and outdoor area lighting plans in real-time. The Lighting Reality PRO application comes ready-loaded with photometric data from a wide variety of top International lighting manufacturers, and supports all the key road lighting standards, including IES RP08 for North American users and EN 13201 for European users. Lighting Reality PRO is used by around 97% of British municipalities and most major UK consultants and, with the launch of the new multi-language, multi-standards version, the application is now available to exterior and street lighting designers worldwide.



Apart from the high colour rendering LEDs **Focus** is available in different colour combinations (white, black, metallic silver).

Stores should have a specific, well recognisable style, while being capable of always renovating and proposing new and attractive environments and Focus LED is the perfect solution.

Focus is the brand new completely adjustable spotlight for an extraordinarily effective lighting system that adds value to rooms and objects.

**Housing:** in die-cast aluminium. Front in black, white or transparent polycarbonate material (art. Matrix).

**Optical:** die-cast aluminum with anodized heatsink.

**Equipment:** supplied with universal adapter in track mounted versions. Complete with electronic power supply unit separated from the LEDs.

**LED:** high-efficiency light sources (CRI>92).

Luminous flux maintenance 50.000h (L80B20).

Power factor >0.95

Photobiological safety class: exempt group.



50.000h (L80B20)

**LED COB - 44°**

350° 350°

**Colour quality**

**LED COB - 31°**

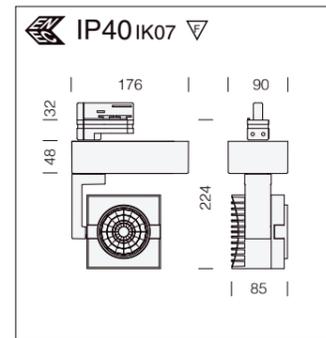
**Colour quality**

**On request:** 31° beam angle

**LED COB - 52°**

**Colour quality**

**On request:** 52° beam angle

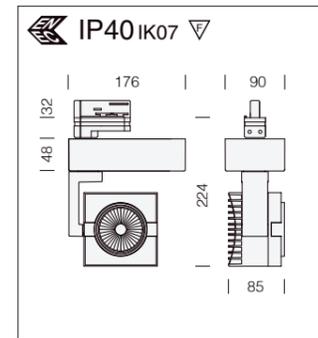


**Reflector:** in high efficiency and anti-glare die-cast aluminium with anodised heat sink.

**LED:** Luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.95

Focus - universal adapter						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI - degrees
LED COB	white	2,00	22103410-00	LIG 81731	27	3000K - 2536lm - CRI 92 - 44°
	black		22103430-00	LIG 81732		
	m. silver		22103470-00	LIG 81733		
LED COB	white	2,00	22103412-00	LIG 81734	39	3000K - 3842lm - CRI 92 - 44°
	black		22103432-00	LIG 81735		
	m. silver		22103472-00	LIG 81736		
LED COB	white	2,00	22103414-00	LIG 81737	45	3000K - 4295lm - CRI 92 - 44°
	black		22103434-00	LIG 81738		
	m. silver		22103474-00	LIG 81739		
LED COB	white	2,00	22103416-00	LIG 81740	54	3000K - 4897lm - CRI 92 - 44°
	black		22103436-00	LIG 81741		
	m. silver		22103476-00	LIG 81742		

**On request:** CLD CELL-D (1-10V) and CLD CELLD-DIG (DALI) versions.



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

**LED:** Luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.95.

Focus - universal adapter						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI - degrees
LED COB	white	2,00	22103516-00	LIG 81743	54	3000K - 4815lm - CRI 92 - 60°
	black		22103536-00	LIG 81744		
	m. silver		22103576-00	LIG 81745		

**On request:** CLD CELL-D (1-10V) and CLD CELLD-DIG (DALI) versions.



50.000h (L80B20)

**LED COB - 60°**

350° 350°

**Colour quality**

**LED COB - 20°**

**Colour quality**

**On request:** 20° beam angle

**LED COB - 38°**

**Colour quality**

**On request:** 38° beam angle

**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.

**LED:** Power factor  $\geq 0.9$ .  
Luminous flux maintenance 80%: 50.000h (L80B20).  
Photobiological safety class: Exempt group.



**Housing:** in galvanised steel sheet panels, pre-coated with a polyester resin.

**Dark light louvre:** double parabolic louvres, in high-gloss 99.99 aluminium, anti-glare and anti-iridescence, very low luminance with PVD.

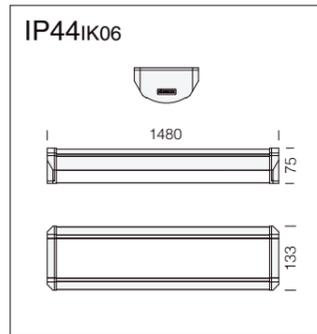
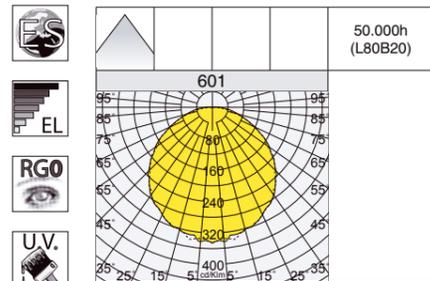
**Equipment:** hinged door and quick clamping mechanism. With protective film on fixture and baffle louvre.

Supplied without brackets: for non-surface mounted versions, use bracket acc. 326.

Driver can work also with **DC198-264V** so that the ceiling lamp can be used as an emergency fixture with centralized power supply.

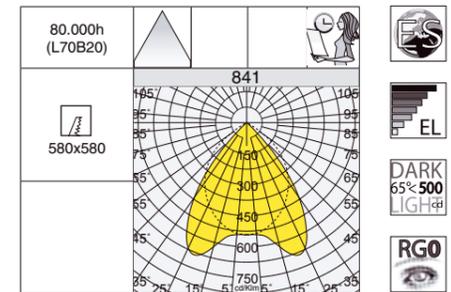
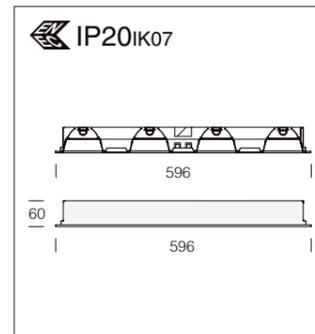
**On request:** DIMM 1/10V and DALI version.

**LED:** Power factor: 0,95.  
Luminous flux maintenance 80%: 80.000h (L70B20).  
Colour temperature: 4000 K  
(On request: 3000K )

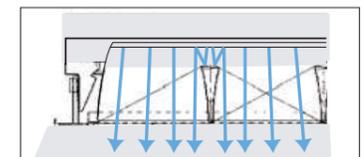


601 Disanlens						
CLD CELL			LUMEN OUTPUT (tq= 25 °C)			
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	white	5.00	115596-00	LIG 75653	43	4000K - 5624lm - CRI 80

On request version with radar sensor (subcode -19).



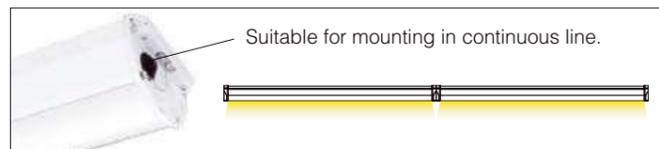
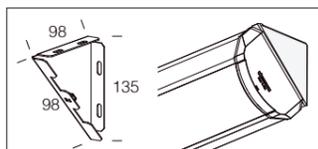
Optical with flow recovery



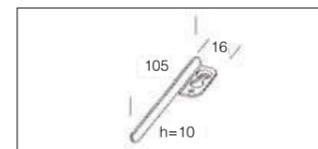
841 Minicomfort						
CLD CELL			LUMEN OUTPUT (tq= 25 °C)			
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED 4x	white	3.50	153535-00	LIG 67126	37	4000K - 4093lm - CRI ≥80

On request: Minicomfort with emergency wiring with centralized power supply **CLD CELL-EC (sub-code -0050)**.

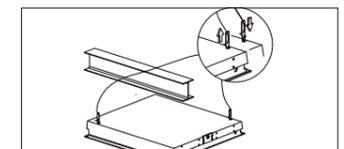
**acc. 588 bracket**  
993971-00  
Bracket for wall mounting. 2-pc set.



**acc. 326 adjustable bracket**  
galvanized 998059-00  
In zinc plated steel. 4-pc set to be used when art. 841 is not contact mounted.



**acc. 320 safety cord**  
998004-00  
Steel safety cord.



**Housing and frame:** housing in galvanized steel sheet, and frame in aluminium.

**Inner slab:** in PMMA.

**Diffuser:** in engineering plastic with high thermal transmittance.

**UGR glare index:** UGR<19 (in any situation). - EN 12464.

**Energy savings:** save over 30% energy compared to T5 lamps.

**LED:** Power factor: 0,95  
Luminous flux maintenance 80% 50.000h (L80B20).  
Photobiological safety class: exempt group



Construction quality is an important factor for the product's aesthetics and performance, turning into a key element to ensure reliability over time.

In the case of Disano's **LED Panel**, the slab is made in top-notch material, **PMMA** (poly methyl methacrylate), a polymer that keeps its characteristics unaltered in time and prevents the lens from yellowing.

Disano has produced **LED Panel** with materials that ensure long lasting operation to save its original technical characteristics: 80% lumen maintenance for **50000h** (L80B20), perfect colour rendering (**CRI≥80** or **CRI>90**), no glare (**UGR<19**) and certified low flicker level.

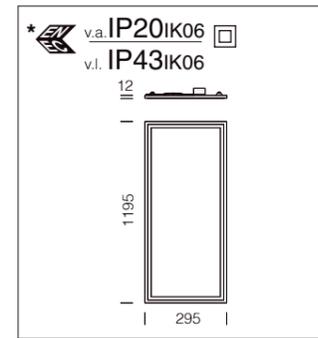


The **UGR** (unified glare rating) is an international unified measure developed by the CIE (Commission Internationale de l'Eclairage) to assess the direct glare generated by a lighting system. The European standard regulating the lighting of indoor work places (**UNI-EN 12464-1**) recommends a specific UGR value for different applications ranging between **10 and 30**; **the lower the UGR value, the lower the glare**. The exact value of this index differs by project type because it depends on the position of the luminaires, room characteristics (dimensions, reflections) and on the point of observation of viewers.

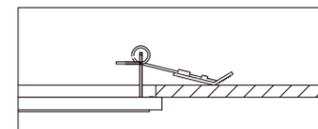
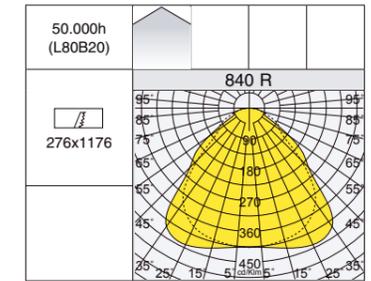
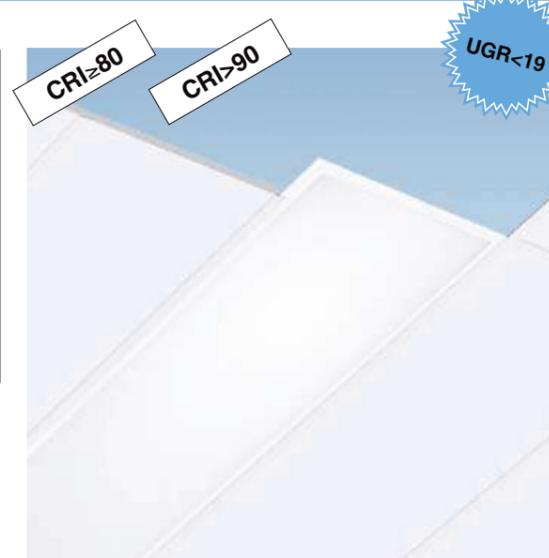
Classification of UGR values by applications	
UGR ≤ 16	Very demanding applications (technical drawings)
UGR ≤ 19	Offices and schools (reading, business meetings, computer work)
UGR ≤ 22	Industrial applications, craftsmen
UGR ≤ 25	Transit areas
UGR > 28	High glare

Below are some examples of industrial environments requiring the installation of fixtures with UGR<22 in compliance with standard **UNI-EN 12464-1**:

- General areas inside buildings – storage areas
- Industrial and manufacturing activities
- Chemical and pharmaceutical industry
- Mechanical, electronic and electro-technical industry
- Paper mills



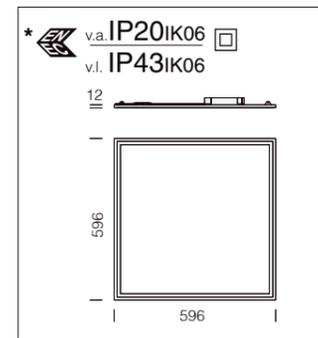
\*under approval



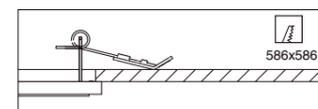
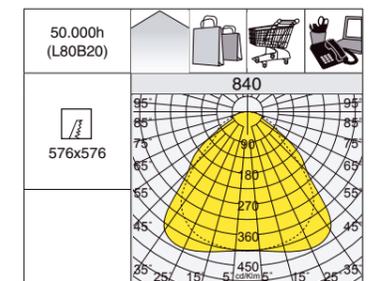
**acc. 908 springs**  
998018-00  
Springs for recessed non-surface mounting on plasterboard. Bag containing 4 pieces. Only for 295x1195 mm version.

842 LED Panel R						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - olm - CRI
LED	white	4.00	150206-00	LIG 75648	33	4000K - 3600lm - CRI≥80
LED	white	4.00	150206-39	LIG 75649		3000K - 3348lm - CRI≥80

840 LED Panel R - CRI>90						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - olm - CRI
LED	white	4.00	150209-00	LIG 75650	33	4000K - 3327lm - CRI>90



\*under approval



**acc. 906 springs**  
998017-00  
Springs for recessed non-surface mounting on plasterboard. Bag containing 4 pieces. Only for 596x596 mm version.

842 LED Panel						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - olm - CRI
LED	white	3.00	150205-00	LIG 70886	33	4000K - 3600lm - CRI≥80

840 LED Panel - CRI>90						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - olm - CRI
LED	white	3.00	150208-00	LIG 75651	33	4000K - 3327lm - CRI>90
LED*	white	3.00	150211-00	LIG 75652		4000K - 4250lm - CRI>90

\* art. 150211-00: no UGR<19

**acc. 2521 simple suspension**  
994632-00  
Suspension supplied with steel wire, and millimetric adjustment. Only for 596x596 mm version.



**Pannello:** it is equipped with fast connectors, avoiding the need to open the unit. Its shape guarantees uniform light distribution, while the white-light LEDs generate high light quality, ensuring the best visual comfort and perfect colour rendering (**CRI 93**).

**Frame:** in aluminium.

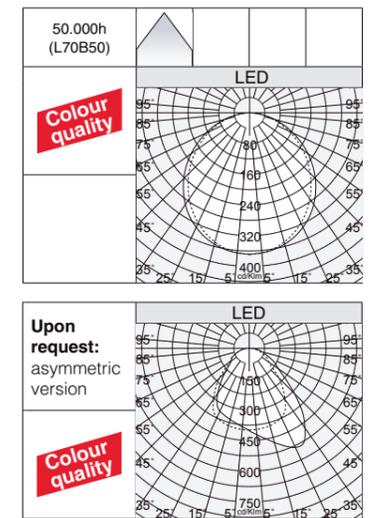
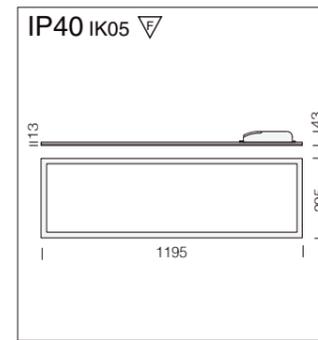
**Diffuser:** in opal engineering plastic with high transmittance.

**Wiring:** rapid wiring connection, the fixture does not need to be opened; equipped with fast connector.

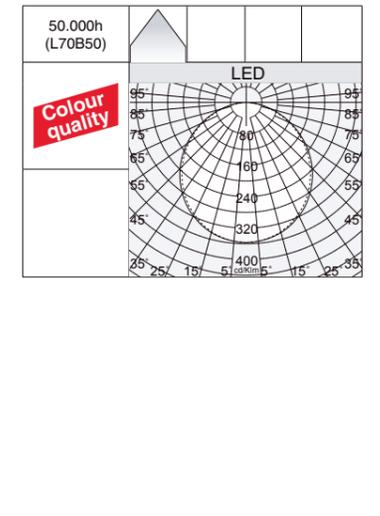
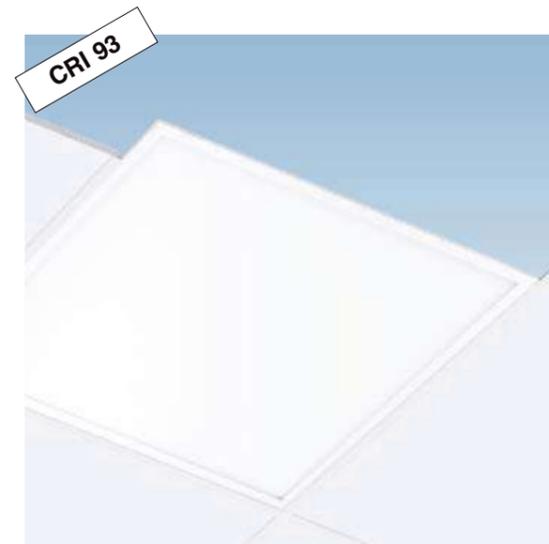
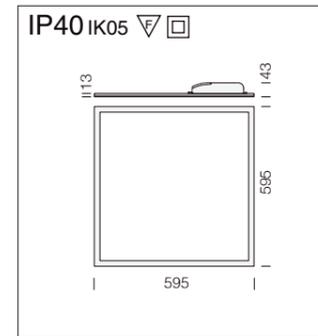
**LED:** high-efficiency light sources (**CRI 93**).

**Low Flicker:** product with a very low flicker; uniform light for greater eye protection.

**LED:** luminous flux maintenance 70% 50.000h (L70B50).  
Power factor  $\geq 0.95$



Pannello R2 - LED						
		CLD CELL (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	white	4.00	22184474-00	LIG 81766	51	4000K - 4900lm - CRI 93



Pannello - LED						
		CLD CELL (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	white	4.10	22184612-00	LIG 81746	33	4000K - 3200lm - CRI 93
			22184613-00	LIG 81747		3000K - 3150lm - CRI 93
LED *	white	4.10	22184614-00	LIG 81748	51	4000K - 4900lm - CRI 93

\* I insulation class.

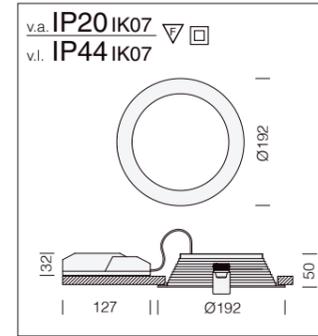


The shield consists of a laser-cut slab that serves as a lens for its effect of concentric circles. These decorations create a pattern with variable distances; the closer they get to the centre, the closer they come together, thereby achieving excellent visual comfort without glare.

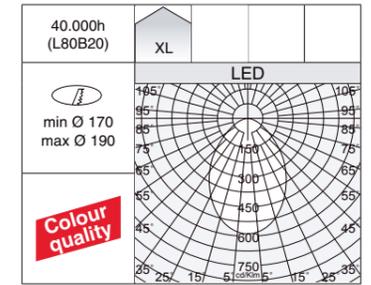
**Housing:** in die cast aluminium.

**LED:** Luminous flux maintenance 80%: 40.000h (L80B20). Power factor >0.9

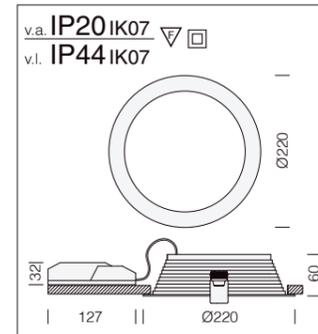
**On request:** Mix Two color temperature choice 3000K - 4000K version



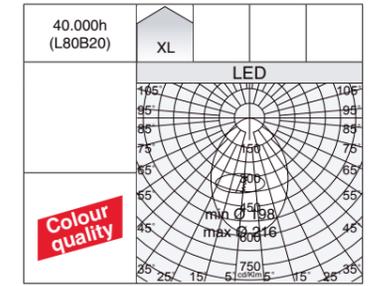
CRI 90



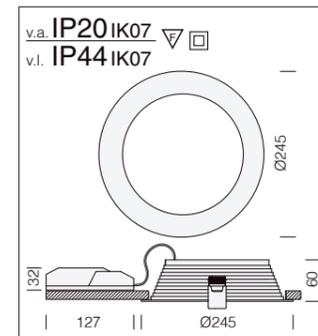
Eco Lex 2						
		CLD CELL-D (IGBT)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	white	0,50	22172915-00	LIG 81729	14	4000K - 1380lm - CRI 90
			22172919-00	LIG 81730		3000K - 1300lm - CRI 90



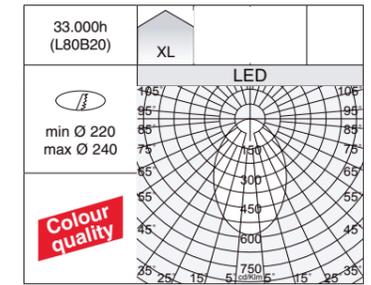
CRI 90



Eco Lex 3						
		CLD CELL-D (IGBT)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	white	0,75	22172916-00	LIG 81727	21	4000K - 2190lm - CRI 90
			22172906-00	LIG 81728		3000K - 2070lm - CRI 90



CRI 90



**LED:** Luminous flux maintenance 80%: 33.000h (L80B20). Power factor >0.9

Eco Lex 6 B						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	white	1,00	22172901-00	LIG 78404	21	4000K - 2190lm - CRI 90
			22172902-00	LIG 81726		3000K - 2036lm - CRI 90



**Housing-reflector:** in V2 shatterproof, self-extinguishing polycarbonate, coated with high-performance aluminium powder and equipped with anti-reflection and anti-glare optics. Perimeter border on the false ceiling has white or aluminium coloured photogravure finishing. Support bracket in galvanised steel with housings for fastening springs made in galvanised steel wire for false ceiling mounting. Shielding at 65°.

**Dark light reflector:** V2 self-extinguishing polycarbonate; metalized aluminium powder coated through a C.V.D. Hard-vacuum process for greater light control and efficiency.

**Matt reflector:** V2 self-extinguishing polycarbonate; matt aluminium powder coated through a C.V.D. Hard-vacuum process for greater light control and efficiency.

**Standard:** manufactured pursuant to EN 60598-1-CEI 34-21 and with a degree of protection pursuant to EN 60529

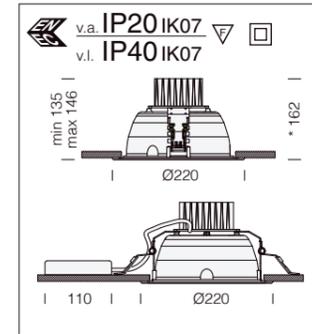


The UGR (unified glare rating) is an international unified measure developed by the CIE (Commission Internationale de l'Eclairage) to assess the direct glare generated by a lighting system. The European standard regulating the lighting of indoor work places (UNI-EN 12464-1) recommends a specific UGR value for different applications ranging between **10 and 30**; **the lower the UGR value, the lower the glare**. The exact value of this index differs by project type because it depends on the position of the luminaires, room characteristics (dimensions, reflections) and on the point of observation of viewers.

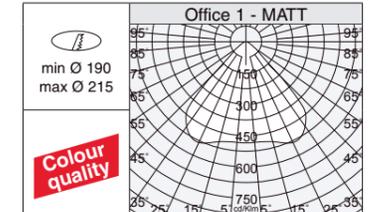
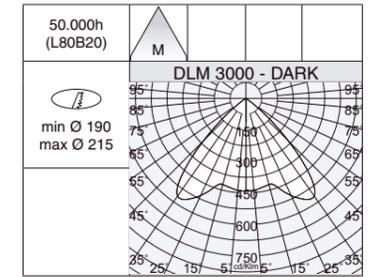
Classification of UGR values by applications	
≤ 16	Very demanding applications (technical drawings)
≤ 19	Offices and schools (reading, business meetings, computer work)
≤ 22	Industrial applications, craftsmen
≤ 25	Transit areas
> 28	High glare

Below are some examples of industrial environments requiring the installation of fixtures with UGR<22 in compliance with standard UNI-EN 12464-1:

- General areas inside buildings – storage areas
- Industrial and manufacturing activities
- Chemical and pharmaceutical industry
- Mechanical, electronic and electro-technical industry
- Paper mills

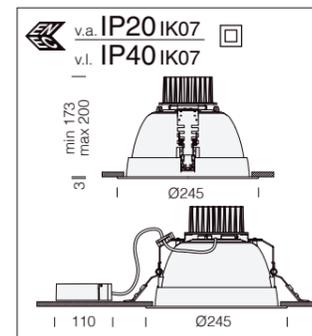


CRI 92



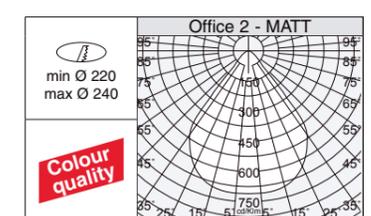
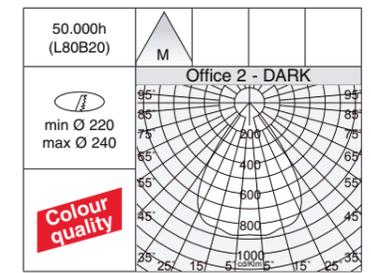
Office 1 - DARK						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
DLM 3000	aluminium	1,50	22152374-00	LIG 70888	27	4000K - 3047lm - CRI 80

Office 1 - MATT						
		CLD CELL (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED COB	matt	1,50	22152960-00	LIG 70889	69	4000K - 6734lm - CRI 92



CRI 92

UGR<19



Office 2 - DARK						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
COB 4500	aluminium	1,20	22152573-00	LIG 70891	40	4000K - 3835lm - CRI 92
LED COB *	aluminium	1,20	22152811-00	LIG 70890	69	4000K - 6062lm - CRI 92

\* I insulation class.

Office 2 - MATT						
		CLD CELL (ON-OFF)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED COB *	matt	1,20	22152810-00	LIG 70892	69	4000K - 6925lm - CRI 92

\* I insulation class.

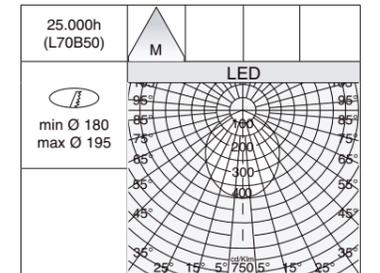
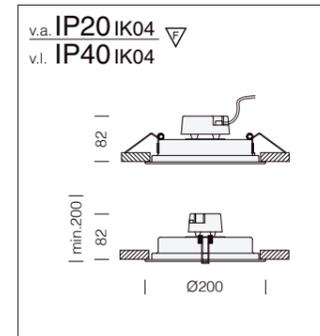
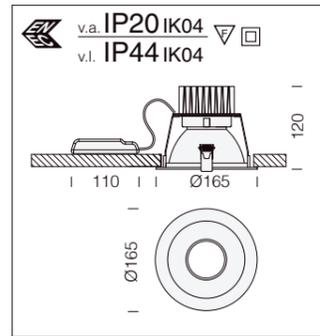
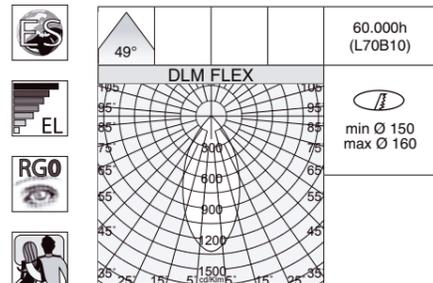


**Housing:** in die cast aluminium.  
**Optics:** eggcrate screen complete with tempered glass.  
**Reflector:** metallized aluminium.  
**LED:** Luminous flux maintenance 70%: 60.000h (L70B10).  
 Power factor >0.9  
**Installation:** is equipped with galvanized steel support brackets, with housing for springs for attachment to the false ceilings.  
**Coating:** dust painted, using polyester epoxy paint to withstand UV rays.  
**Standard supply:** Includes adjustable steel bracket.  
**LED:** Luminous flux maintenance 70%: 60.000h (L70B10).  
 Power factor >0.9  
 Photobiological safety class: Exempt group

Chromed version available on request.



**Housing:** made in steel with adjustable steel bracket.  
**Reflector:** in white aluminium, high efficiency and anti-glare.  
**Screen:** in anti-glare matt plastic material.  
**LED:** Luminous flux maintenance 70%: 25.000h (L70B50).  
 Power factor >0.95



Velvet 3 - DLM FLEX 2000						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI - degrees
DLM FLEX 2000	white	1,00	22160315-00	LIG 81749	20	3000K - 1860lm - CRI 80 - 49°
			22160316-00	LIG 81750		4000K - 2037lm - CRI 80 - 49°

Milano - ECOLUMEN						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour + colour refl.	weight	code	Triple E code	W tot	K - ølm - CRI
LED	white + white	1,50	22083911-00	LIG 70887	24	4000K - 2000lm - CRI 80

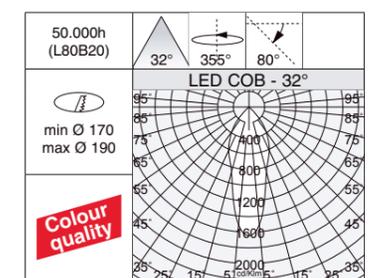
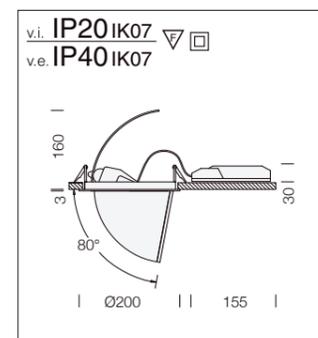
The range of Luthor recessed spotlights is expanded with three sizes. This enables to fit the spotlights in all fitting holes of the same line of products. Luthor adjustable recessed LED spotlights offer technologically advanced light and are a very solid product with high quality and high performance to illuminate large commercial spaces.

**Housing:** adjustable angle, made of die-cast aluminium.

**Reflector:** high-efficiency prismatic and polished aluminium.

**Coating:** dust painted, using polyester epoxy paint to withstand UV rays.

**LED:** Luminous flux maintenance 80%: 50.000h (L80B20). Power factor >0.95.



Luthor Big - PROFESSIONAL						
wattage	colour	CLD CELL			W tot	LUMEN OUTPUT (tq= 25 °C)
		weight	code	Triple E code		K - ølm - CRI - degrees
LED COB	white	1.40	22087815-00	LIG 81762	27	3000K - 2539lm - CRI 93 - 32°
LED COB			22087817-00	LIG 81763		4000K - 2593lm - CRI 92 - 32°
LED COB	white	1.40	22088810-00	LIG 81764	39	3000K - 3852lm - CRI 92 - 32°
LED COB			22088811-00	LIG 81765		4000K - 4207lm - CRI 92 - 32°

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

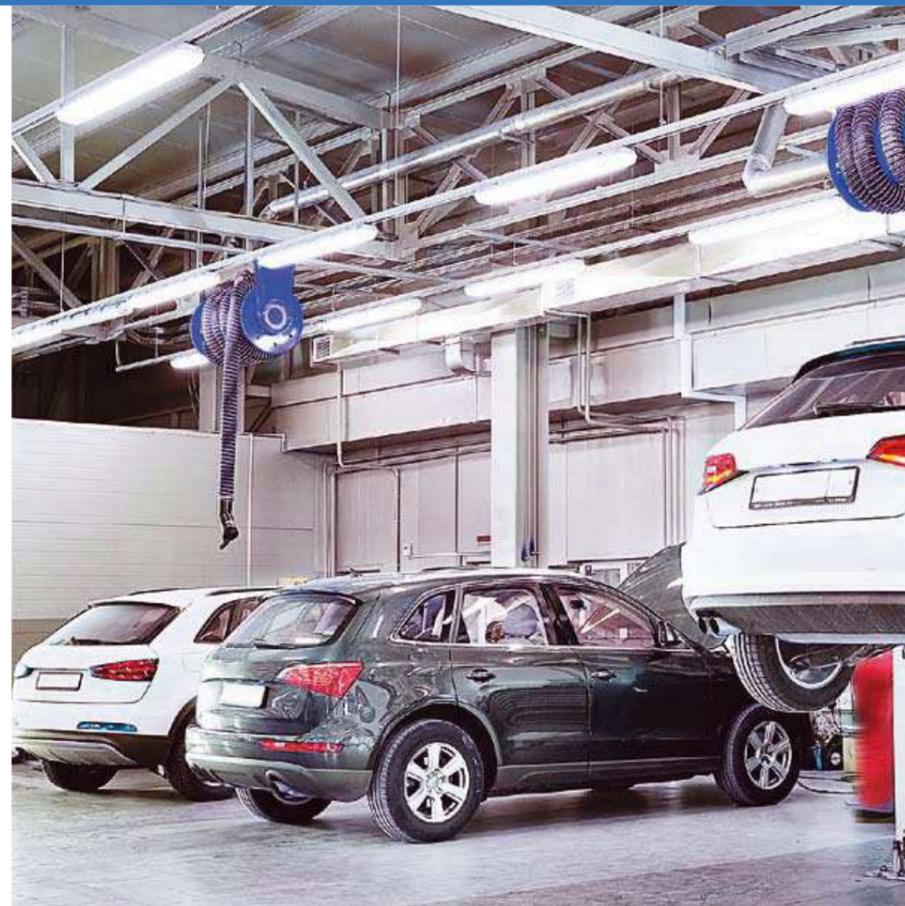
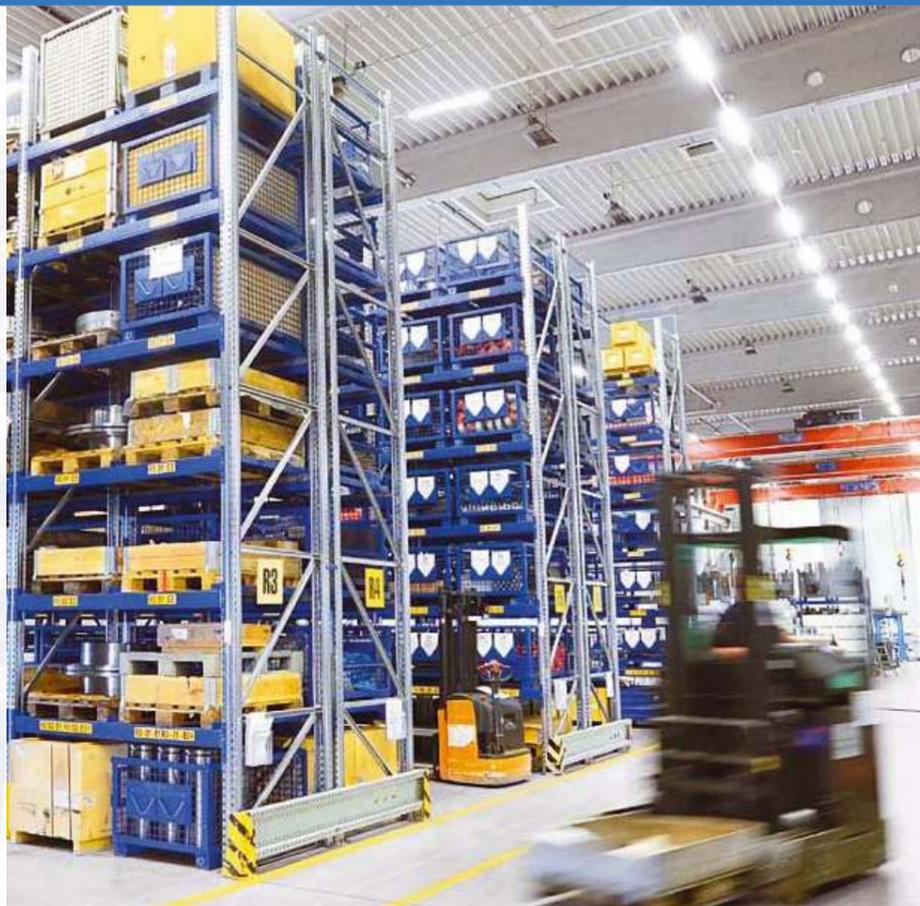
**Diffuser:** injected moulded in polycarbonate with internal ribbing for greater lighting control, in V2 self-extinguishing, UV-stabilised material; its smooth outer finish makes cleaning easier and increases lighting efficiency. Equipped with stainless steel screw clamping.

**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 and suspension mounting are in stainless steel. Socket-plug connector. The fixture is secured to the fixing brackets through quick connectors.

**For installations with direct exposure to sunlight, we recommend using Forma LED.**

**LED:** Power factor:  $\geq 0,95$ .  
Luminous flux maintenance 70%:  
50.000h (L80B20).



**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.

**Efficiency, energy saving and security**  
Isolation class I.  
Quick connection with plug and socket, no need to open the fixture.

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

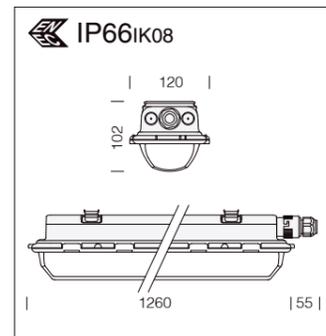
**For applications with direct exposure to sunlight, we recommend using Forma LED.**

**LED:** Power factor:  $\geq 0,9$ .  
Luminous flux maintenance 80%:  
50.000h (L80B20).

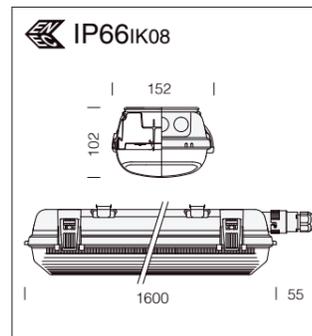
50.000h (L80B20)

962

ES, EL, C, NO, P, and other icons representing product features and certifications.



962 Hydro - LED						
CLD CELL				LUMEN OUTPUT (tq= 25 °C)		
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	grey	1,80	164741-00	LIG 67129	50	4000K - 7048lm - CRI $\geq$ 80



50.000h (L80B20)

927

ES, EL, C, NO, P, and other icons representing product features and certifications.

927 Echo - twin LED module						
CLD CELL				LUMEN OUTPUT (tq= 25 °C)		
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	grey	3.30	164705-00	LIG 67128	52	4000K - 7448lm - CRI $\geq$ 80

**acc. 370 connector for ø20 tube**  
grey 998040-00  
For use with acc. 371-372 tube connector installation. **10 per pack.**



**acc. 371 quick connector plug**  
grey 998041-00  
Always to be used for continuous line with wire. Cable gland with inlet cable 16A min. ø 9 max ø12 mm. **10 per pack.**



**acc. 372 quick connector socket**  
grey 998042-00  
Always to be used for continuous line with wire. Cable gland with inlet cable 16A min. ø 9 max ø12 mm. **10 per pack.**



**Housing:** in die-cast aluminium with cooling fins.

**Optics:** in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V0 polycarbonate.

**Diffuser:** tempered glass, 4 mm thick, resistant to thermal shock and impacts.

**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.

**On request:** coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

**Standard Supply:** complete with galvanised and coated bracket. Safety diode to protect against voltage peaks compliant with EN 61547. With double insulation switch.

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.

**On request:** protection up to 10KV.

**LED:** Power factor:  $\geq 0,9$   
Luminous flux maintenance 80%: 80.000h (L80B10).



**Housing:** in die-cast aluminium with cooling fins.

**Optics:** in high efficiency PMMA.

**Diffuser:** 4mm thick tempered glass, resistant to thermal shocks and impacts.

**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.

**On request:** coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

**Equipment:** complete with galvanised and coated bracket; silicone rubber gasket; external screws and bolts in stainless steel. Complete with electrical cable for mains connection.

**On request:** with knife switch supplied to interrupt the line during maintenance.

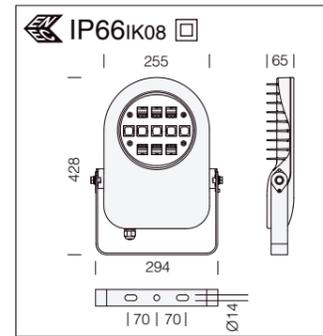
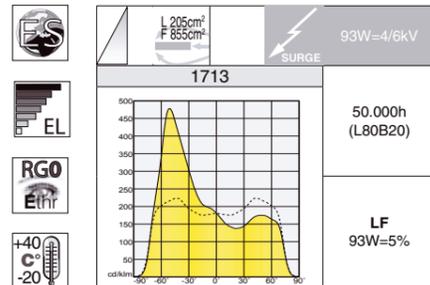
Electronic safety device to protect the LED module and the related ballast compliant with EN 61547.

It works in two modes:

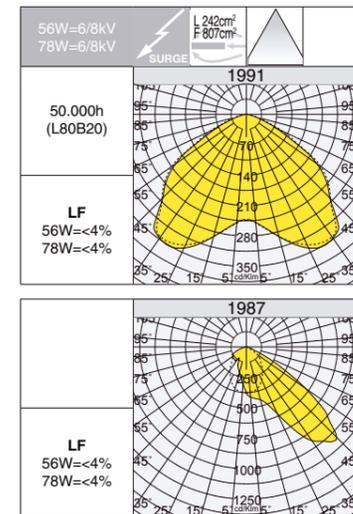
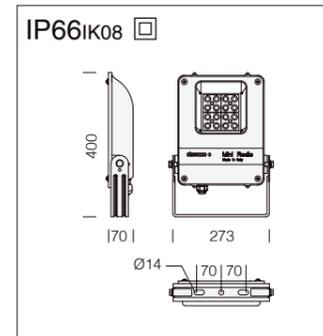
- differential mode: surge between power cables and between the phase and neutral.
- common mode: surge between power, L/N and ground cables or between the fixture's body if it is of class II and installed on a metal pole.

**On request:** protection up to 10KV.

**LED:** Power factor:  $\geq 0,9$   
Luminous flux maintenance 80%: 80.000h (L80B20).



1713 Cripto medium - asymmetric						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	Triple E code	W tot	K - ølm 700mA - CRI
LED	graphite	5.50	413030-00	LIG 67127	93	4000K - 9121lm - CRI 80
On request		Power supply	W tot	ølm		
		530mA	70	6906lm		



1991 Mini Rodio - symmetric wide beam						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (530mA)	colour	weight	code	Triple E code	W tot	K - ølm 530mA - CRI
LED	graphite	4.50	414940-00	LIG 75636	56	4000K - 6478lm - CRI 80
On request		Power supply	W tot	ølm		
		530mA	78	7964lm		

1987 Mini Rodio - asymmetric						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (530mA)	colour	weight	code	Triple E code	W tot	K - ølm 530mA - CRI
LED	graphite	4.50	414910-00	LIG 75638	56	4000K - 6606lm - CRI 80
On request		Power supply	W tot	ølm		
		530mA	78	8122lm		

**Housing:** in die-cast aluminium with cooling fins.

**Optics:** in high efficiency PMMA.

**Diffuser:** 5mm thick tempered glass, resistant to thermal shocks and impacts.

**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.

**On request:** coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

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

**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.

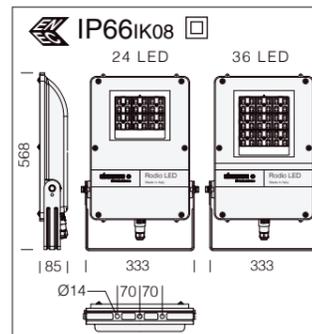
**On request:** protection up to 10KV.

**Low Flicker:** product with a very low flicker; uniform light for greater eye protection.

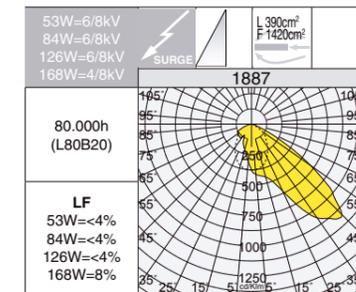
**RADAR SENSOR (sub-code -19):** is an automatic sensor that immediately sense the presence of people's movements and anyone walking past. When there is movement within the sensor's detection range, the light will remain ON. When no further movement is detected, the light will switch OFF after a pre-set time.

**LED:** Power factor:  $\geq 0.9$ . Luminous flux maintenance 80%: 80.000h (L80B20).

**On request:** version with **LED AMBER 2200K** with subcode -73.

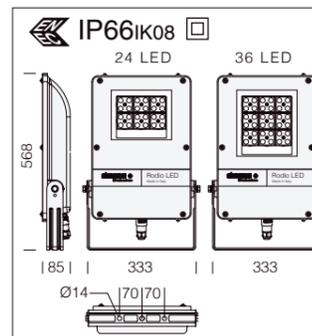


80.000h

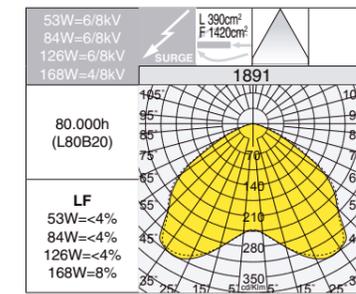


1887 Rodio - asymmetric						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (350mA)	colour	weight	code	Triple E code	W tot	K - olm 350mA - CRI
LED	graphite	6.30	414754-00	LIG 81755	53	4000K - 6874lm - CRI 80
wattage (530mA)						K - olm 530mA - CRI
LED	graphite	6.30	414755-00	LIG 81756	84	4000K - 9210lm - CRI 80
LED	graphite	6.30	414756-00	LIG 81757	126	4000K - 13488lm - CRI 80
wattage (700mA)						K - olm 700mA - CRI
LED	graphite	6.30	414757-00	LIG 70885	168	4000K - 16843lm - CRI 80

**Equipment:** complete with insulation connector for quick installation with **no need to open the fixture.**



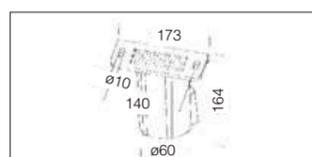
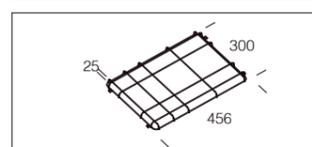
80.000h



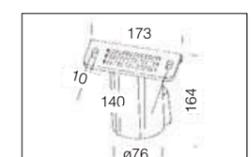
1891 Rodio - symmetric wide beam						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (350mA)	colour	weight	code	Triple E code	W tot	K - olm 350mA - CRI
LED	graphite	6.30	414784-00	LIG 81758	53	4000K - 6740lm - CRI 80
wattage (530mA)						K - olm 530mA - CRI
LED	graphite	6.30	414785-00	LIG 81759	84	4000K - 9032lm - CRI 80
LED	graphite	6.30	414786-00	LIG 81760	126	4000K - 13188lm - CRI 80
wattage (700mA)						K - olm 700mA - CRI
LED	graphite	6.30	414787-00	LIG 81761	168	4000K - 16516lm - CRI 80

**Equipment:** complete with insulation connector for quick installation with **no need to open the fixture.**

**acc. 350 protection guard**  
black 997925-00  
Plastic-coated steel rod. For protection against impact.



**acc. 333 ø60 pole mounting**  
graphite 997915-00  
Made of aluminium. To be used to apply the fixture on a ø 60 pole.



**acc. 334 ø76 pole mounting**  
graphite 997916-00  
Made of aluminium. To be used to apply the fixture on a ø 76 pole.

- ES
- EL
- RG0
- Ethr
- +40°C -20°C
- UV
- 90°
- LOW FLICKER
- LED AMBER

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

**Optics:** made of PMMA with high temperature resistance and UV rays.

**Diffuser:** 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:** automatic temperature control inside the device with automatic resetting.

**Standard:** DIMM 1-10V (except for versions with box).

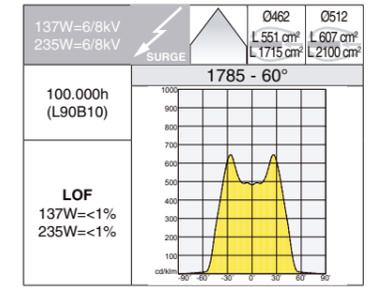
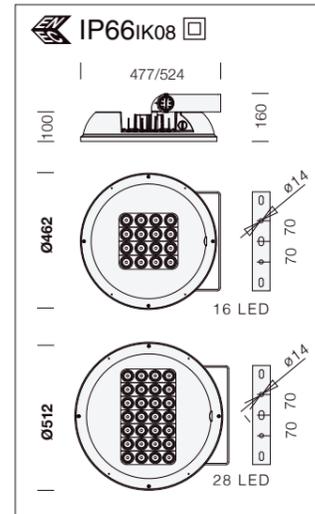
Electronic safety device to protect the LED module and the related ballast compliant with EN 61547.

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. (On request: protection up to 10KV.)

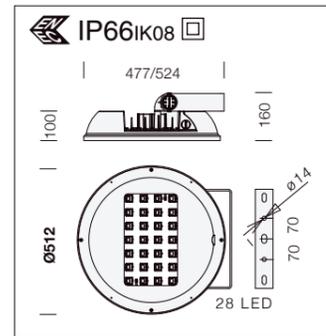
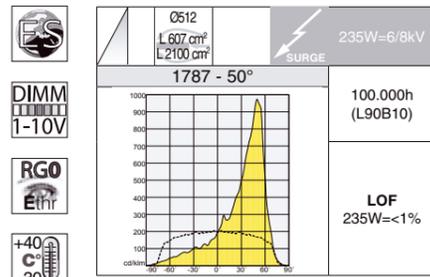
**Luminous flux maintenance**

90%	100.000h (L90B10)	16-24-28 LED
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		1785 Astro - symmetric 60°				
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	Triple E code	W tot	K - ølm 700mA - CRI - degrees
LED	grey	12.25	330054-00	LIG 75647	137	4000K - 14758lm - CRI 70 - 60°
LED	graphite	14.00	330053-00	LIG 75646	235	4000K - 26357lm - CRI 70 - 60°

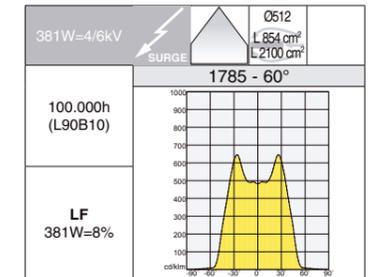
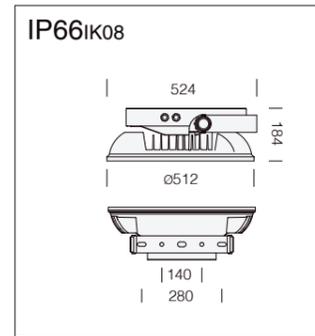
- ES
- DIMM 1-10V
- RGO Etr
- +40°C -30°C
- 90°
- 180°
- Olympic rings



		1787 Astro - asymmetric 50°				
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	Triple E code	W tot	K - ølm 700mA - CRI - degrees
LED	graphite	14.00	330073-00	LIG 67124	235	4000K - 24717lm - CRI 70 - 50°

Upon request : 5700K - CRI 90 version.

- ES
- DIMM 1-10V
- RGO Etr
- +40°C -30°C
- 90°
- 180°
- Olympic rings
- Car icon



On request: orientable arm

		1785 Astro - symmetric 60°				
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (1050mA)	colour	weight	code	Triple E code	W tot	K - ølm 1050mA - CRI - degrees
LED	grey	17.20	330056-00	LIG 75645	381	4000K - 37259lm - CRI 70 - 60°
LED	graphite	17.20	330057-00	LIG 75644		

- ES
- EL
- RGO Etr
- +30°C -30°C
- 90°
- 180°
- Olympic rings
- LOW FLICKER

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

**Diffuser:** 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:** temperature control inside the device with automatic resetting, complete with quick connection.

**Dimmable:** Standard 1-10V dimmer, dimmable from 10% to 100%.

**LED:** power factor  $\geq 0,95$ .

**Luminous flux maintenance**  
Ta = -40°C ÷ +40°C

90%	100.000h (L90B10)	12-16-24-28 LED
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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.

**On request:** for **Class II** fixtures, protection up to 10KV.

**On request:**

version with **LED 6500K** with subcode **-0083**

The **UGR** (unified glare rating) is an international unified measure developed by the CIE (Commission International de l'Eclairage) to assess the direct glare generated by a lighting system. The European standard regulating the lighting of indoor work places (**UNI-EN 12464-1**) recommends a specific UGR value for different applications ranging between **10 and 30**; **the lower the UGR value, the lower the glare**. The exact value of this index differs by project type because it depends on the position of the luminaires, room characteristics (dimensions, reflections) and on the point of observation of viewers.

**Classification of UGR values by applications**

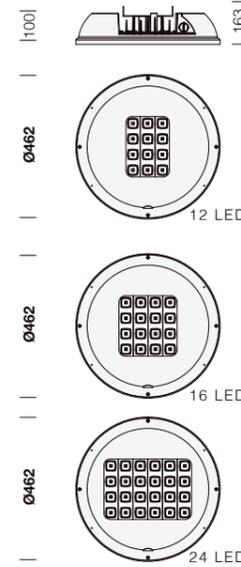
<b>UGR</b>	$\leq 16$	Very demanding applications (technical drawings)
	$\leq 19$	Offices and schools (reading, business meetings, computer work)
	$\leq 22$	Industrial applications, craftsmen
	$\leq 25$	Transit areas
	$> 28$	High glare

Below are some examples of industrial environments requiring the installation of fixtures with **UGR<22** in compliance with standard **UNI-EN 12464-1**:

- General areas inside buildings – storage areas
- Industrial and manufacturing activities
- Chemical and pharmaceutical industry
- Mechanical, electronic and electro-technical industry
- Paper mills

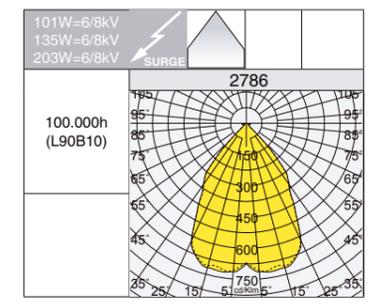


IP66IK08



100.000h

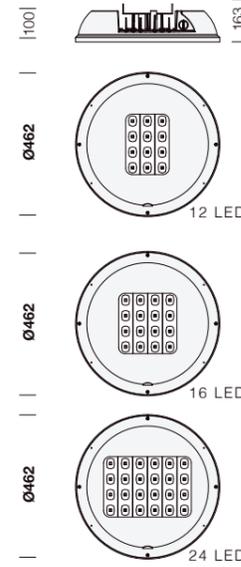
UGR<22



- ES
- DIMM 1-10V
- RGO
- Ethr
- +40°C -40°C
- UV
- LOW FLICKER

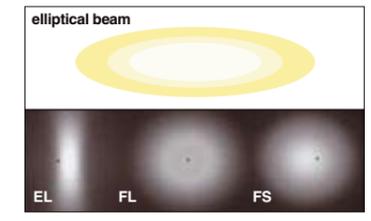
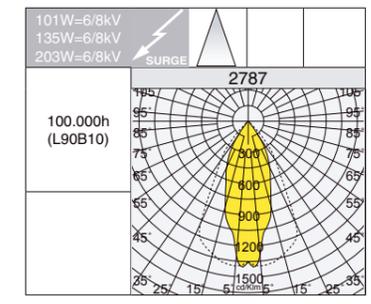
2786 Astro - UGR<22 - wide beam						
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	11.10	330164-00	LIG 75665	101	4000K - 10919lm - CRI 80
LED	graphite	11.10	330165-00	LIG 75666	135	4000K - 14559lm - CRI 80
LED	graphite	12.00	330166-00	LIG 75667	203	4000K - 21839lm - CRI 80

IP66IK08



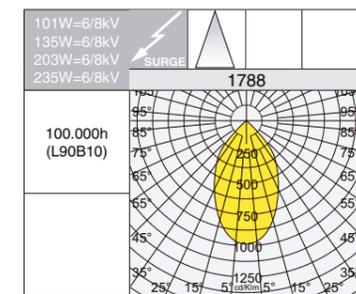
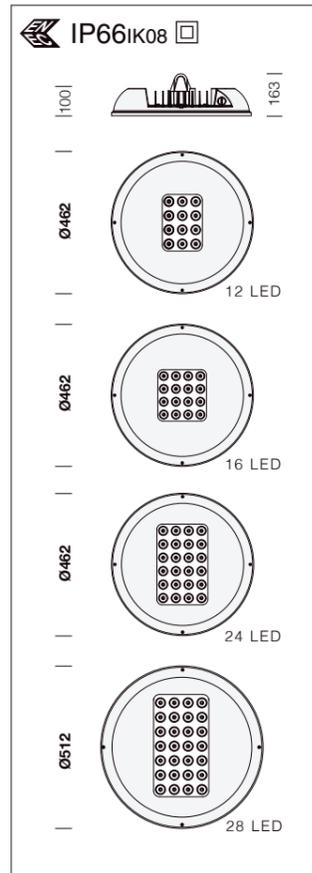
100.000h

UGR<22



- ES
- DIMM 1-10V
- RGO
- Ethr
- +40°C -40°C
- UV
- LOW FLICKER

2787 Astro - UGR<22 - elliptical beam						
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	11.10	330174-00	LIG 75668	101	4000K - 11237lm - CRI 80
LED	graphite	11.10	330175-00	LIG 75669	135	4000K - 14982lm - CRI 80
LED	graphite	12.00	330176-00	LIG 75670	203	4000K - 22474lm - CRI 80



Optics : made of PMMA with high temperature resistance and UV rays.

1788 Astro - narrow beam						
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	11.10	330087-00	LIG 75671	101	4000K - 10534lm - CRI 80
LED	graphite	11.10	330083-00	LIG 75672	135	4000K - 14046lm - CRI 80
LED	graphite	12.00	330084-00	LIG 75673	203	4000K - 21069lm - CRI 80
LED	graphite	12.50	330085-00	LIG 75674	235	4000K - 26424lm - CRI 80

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101W=6/8kV  
135W=6/8kV  
203W=6/8kV  
235W=6/8kV

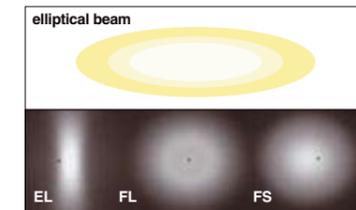
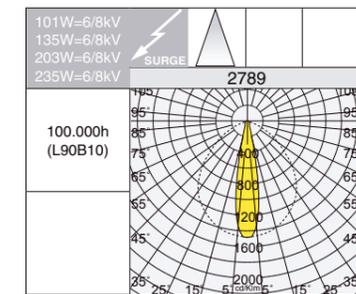
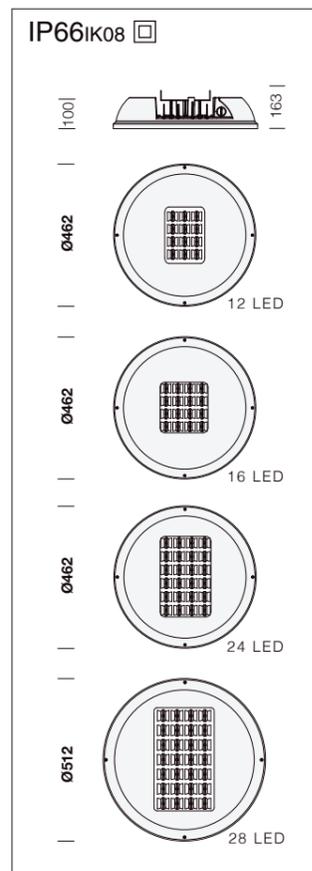
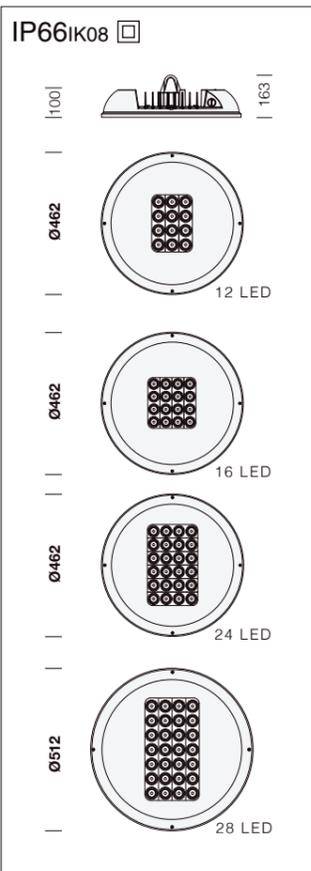
100.000h (L90B10)

**Diffuser:** Injection moulded, in V2 self-extinguishing, UV stabilized, **vandal-resistant** clear polycarbonate, **ideal for the food industry.**

**On request:** version with diffuser in special polycarbonate material, ideal for the food industry with special processing methods (contact the customer service to check compatibility between materials and food products).



2785 Astro - wide beam - with polycarbonate diffuser						
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	11.10	330157-00	LIG 75668	101	4000K - 10712lm - CRI 80
LED	graphite	11.10	330153-00	LIG 75681	135	4000K - 14284lm - CRI 80
LED	graphite	12.00	330154-00	LIG 75682	203	4000K - 21426lm - CRI 80
LED	graphite	12.50	330155-00	LIG 75683	235	4000K - 26870lm - CRI 80



2789 Astro - elliptical beam						
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	11.10	330147-00	LIG 75684	101	4000K - 10558lm - CRI 80
LED	graphite	11.10	330144-00	LIG 75685	135	4000K - 14078lm - CRI 80
LED	graphite	12.00	330145-00	LIG 75686	203	4000K - 21117lm - CRI 80
LED	graphite	12.50	330146-00	LIG 75687	235	4000K - 26477lm - CRI 80

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**Housing:** in die-cast aluminium with cooling fins.

**Optics:** made of PMMA with high temperature resistance and UV rays.

**Diffuser:** 4mm thick tempered glass, resistant to thermal shocks and impacts (art. 2882/83/84).

**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:** silicone rubber gasket; external screws and bolts in stainless steel. Insulation connector for quick installation with no need to open the fixture.

**LED:** Power factor  $\geq 0.95$ .

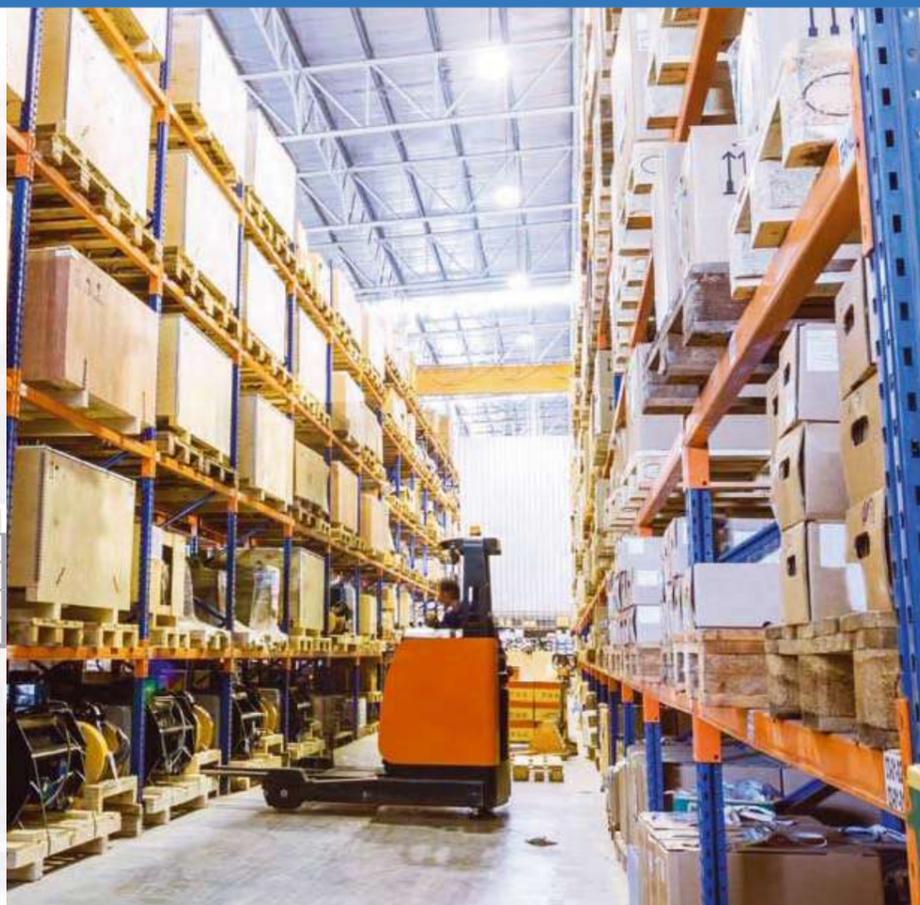
**Luminous flux maintenance**

80%	50.000h (L80B10)	Ta = -20°C ÷ +35°C
80%	50.000h (L80B10)	Ta = -20°C ÷ +40°C (art. 2885)
80%	50.000h (L80B20)	Ta = -40°C ÷ +45°C (art. 2885 HP)
90%	40.000h (L90B10)	Ta = -20°C ÷ +35°C

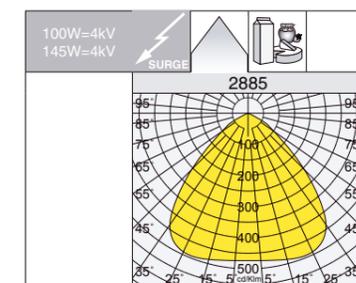
Electronic safety device to protect the LED module and the related ballast compliant with EN 61547.

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.



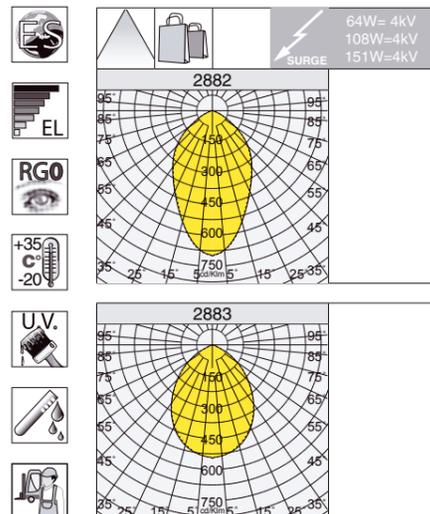
50.000h



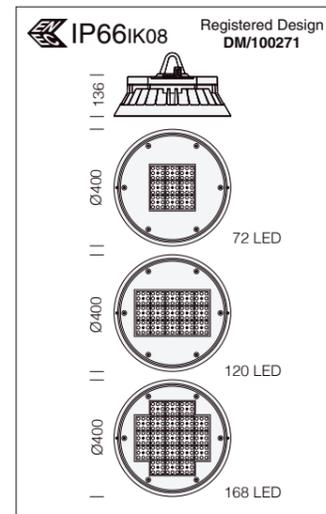
2885 Saturno - wide beam						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	6.00	330750-00	LIG 75660	145	4000K - 20765lm - CRI 80

2885 Saturno HP - wide beam						
		CLD CELL-D (1-10V)			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	6.50	330751-00	LIG 75661	191	4000K - 24752lm - CRI 80

**Standard:** driver can work also with DC so that Saturno can be used as an emergency fixture with centralized power supply.

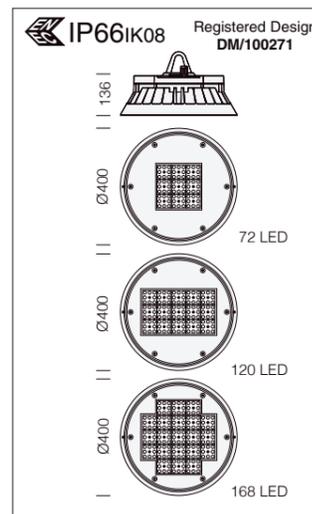


50.000h

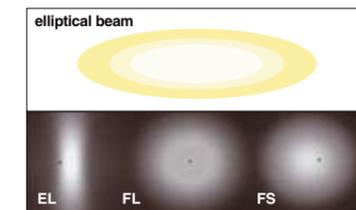
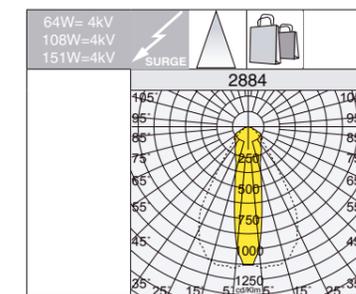


2882 Saturno - narrow beam						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	6.50	330730-00	LIG 75654	64	4000K - 8427lm - CRI 80
LED	graphite	6.50	330731-00	LIG 75655	108	4000K - 14045lm - CRI 80
LED	graphite	6.50	330732-00	LIG 75656	151	4000K - 19664lm - CRI 80

2883 Saturno - wide beam						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	6.50	330740-00	LIG 75657	64	4000K - 8435lm - CRI 80
LED	graphite	6.50	330741-00	LIG 75658	108	4000K - 14058lm - CRI 80
LED	graphite	6.50	330742-00	LIG 75659	151	4000K - 19638lm - CRI 80



50.000h

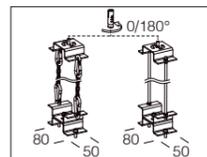


2884 Saturno - elliptical beam						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	graphite	6.50	330760-00	LIG 75662	64	4000K - 7846lm - CRI 80
LED	graphite	6.50	330761-00	LIG 75663	108	4000K - 13078lm - CRI 80
LED	graphite	6.50	330762-00	LIG 75664	151	4000K - 18311lm - CRI 80

Ideal version for warehouses and storage shelving. To be used with acc. 538.

**acc. 538**  
suspension for ceiling fitting  
993976-00

In stainless steel. Adjustable suspension (0/180°) to allow proper mounting of the Saturno. Purchase separately chain/tiges.



- ES
- EL
- DIMM 1-10V
- RGO
- +40°C -20°C
- U.V.
- LOW FLICKER

- ES
- EL
- RGO
- +35°C -20°C
- U.V.
- LOW FLICKER

**Housing and cover:** in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

**Heat sink:** the heat dissipation system is specially designed and made to allow the operation of the LED lights with temperatures ensuring excellent performance/efficiency and durability.

**Pole connection:** in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 20° for side mount; and between 0° and 20° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 46-76.

**Diffuser:** extra-clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN12150-1: 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.

The SELLA luminaire is declared to have passed the 2000 hours of salt corrosion resistance test in accordance with ASTM B 117 standard and the 2000 hours of UV condensation test in accordance with the ASTM G 154 standard.

**Standard supply:** double insulation switch that cuts off electricity when the cover is opened. Complete with quick connection. With dedicated electronic device to protect the LED module.

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

- **Class 2:** protection up to 10KV (on request).

**Photometric performance:** designed with an optical system capable of controlling the potential glare created by the growing light intensity of LEDs while achieving high photometric performance. This allows the application in street lighting schemes where there is a significant distance between the poles. In these cases, greater light control is reached with the optics equipped with auxiliary lens.



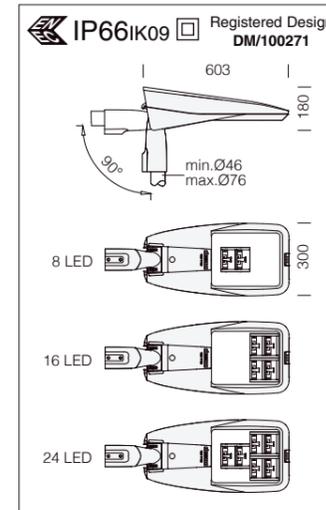
Table for the various options for managing the supply point

1-10V dimming	Virtual midnight	PLC remote control	Nema Socket	Wi-Fi remote control (to be agreed upon)
Adjustment range from 10%-100% with 1-10V	Stand alone system with reduction of luminous flux and surge protector 6/10 KV	Point-to-point and system management and diagnosis system	It can be installed directly onto the luminaire's body, ideal for the remote control of lights	Point-to-point and system management and diagnosis system with Wi-Fi system
Ordered with sub-code -12	Ordered with sub-code -30	Ordered with sub-code -0078	Ordered with sub-code -40	on request

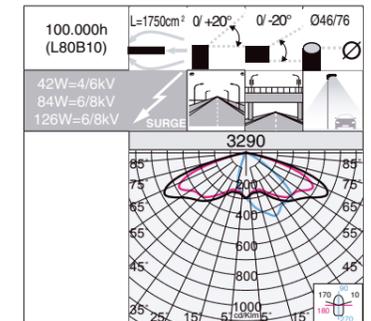
**LED: LUMINOUS FLUX MAINTENANCE**  
(including end-of-life failure)

Sella 1: art. 3290 - 3291		L80B10 @ta+25°C	L80B10 @ta+50°C	L90B10 @ta+25°C	L90B10 @ta+50°C
n.LED	W tot				
8	42 (700mA)	>100.000h	>100.000h	70.000h	50.000h
16	84 (700mA)				
24	126 (700mA)				

**Life expectancy:** LEDs, unlike traditional sources, will not turn off suddenly when their working life ends, but will slowly fade their initial luminous flux until they turn off completely. In fact, LEDs do not break (except for manufacturing damages) but decay gradually and constantly. The decrease of LED flux is defined by the working life and is represented by the L80 mark, which means that the flux is kept up to 80%. The "B" letter followed by a number ranging between 10 and 50 indicates the quality of the fixture and defines the LED percentage that doesn't keep the declared characteristics when it reaches 100,000 working hours.



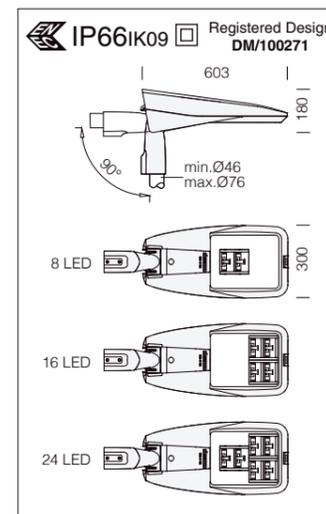
100.000h



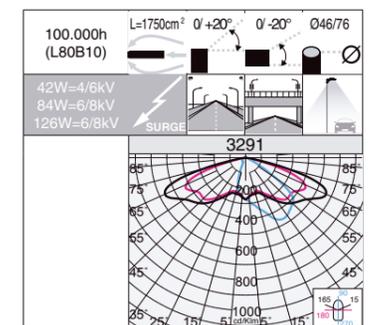
- ES
- EL
- RG0
- Ehr
- +40°C -30°C
- U.V.
- LOW FLICKER

3290 Sella 1 - ST					
		CLD CELL		LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	W tot	K - ølm 700mA - CRI
LED	grey	7.20	330603-00	42	4000K - 4888lm - CRI 70
LED	grey	7.20	330604-00	84	4000K - 9777lm - CRI 70
LED	grey	7.20	330605-00	126	4000K - 14567lm - CRI 70

On request: possibility to control each individual light point (see table).



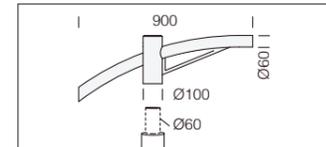
100.000h



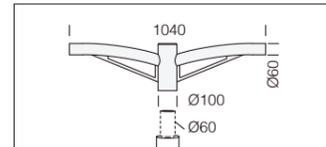
- ES
- EL
- RG0
- Ehr
- +40°C -30°C
- U.V.
- LOW FLICKER

3291 Sella 1 - STWB					
		CLD CELL		LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	W tot	K - ølm 700mA - CRI
LED	grey	7.20	330613-00	42	4000K - 4887lm - CRI 70
LED	grey	7.20	330614-00	84	4000K - 9710lm - CRI 70
LED	grey	7.20	330615-00	126	4000K - 14539lm - CRI 70

On request: possibility to control each individual light point (see table).



acc. 504 single arm	
grey	991262-00
graphite	991263-00
Suited for poles with a diameter 60mm.	



acc. 508 double arm	
grey	991266-00
graphite	991267-00
Suited for poles with a diameter 60mm.	

**Housing and cover:** in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

**Optics:** in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

**Heat sink:** the heat dissipation system is specially designed and made to allow the operation of the LED lights with temperatures ensuring excellent performance/efficiency and durability.

**Pole connection:** in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 20° for side mount; and between 0° and 20° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 46-76.

**Diffuser:** extra-clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN12150-1: 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.

The SELLA luminaire is declared to have passed the 2000 hours of salt corrosion resistance test in accordance with ASTM B 117 standard and the 2000 hours of UV condensation test in accordance with the ASTM G 154 standard.

**Standard supply:** double insulation switch that cuts off electricity when the cover is opened. Complete with quick connection. With dedicated electronic device to protect the LED module.

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

- **Class 2:** protection up to 10KV (on request).

**Low Flicker:** product with a very low flicker; uniform light for greater eye protection.

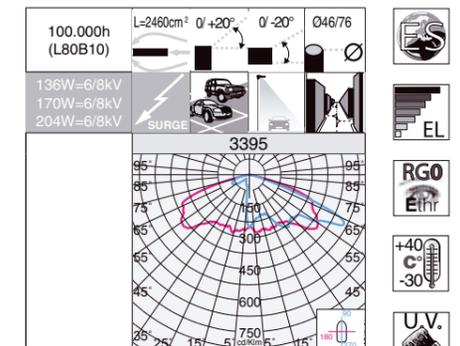
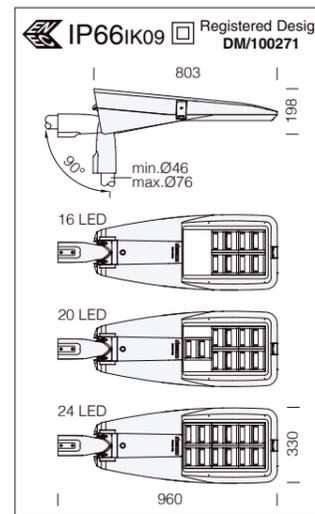
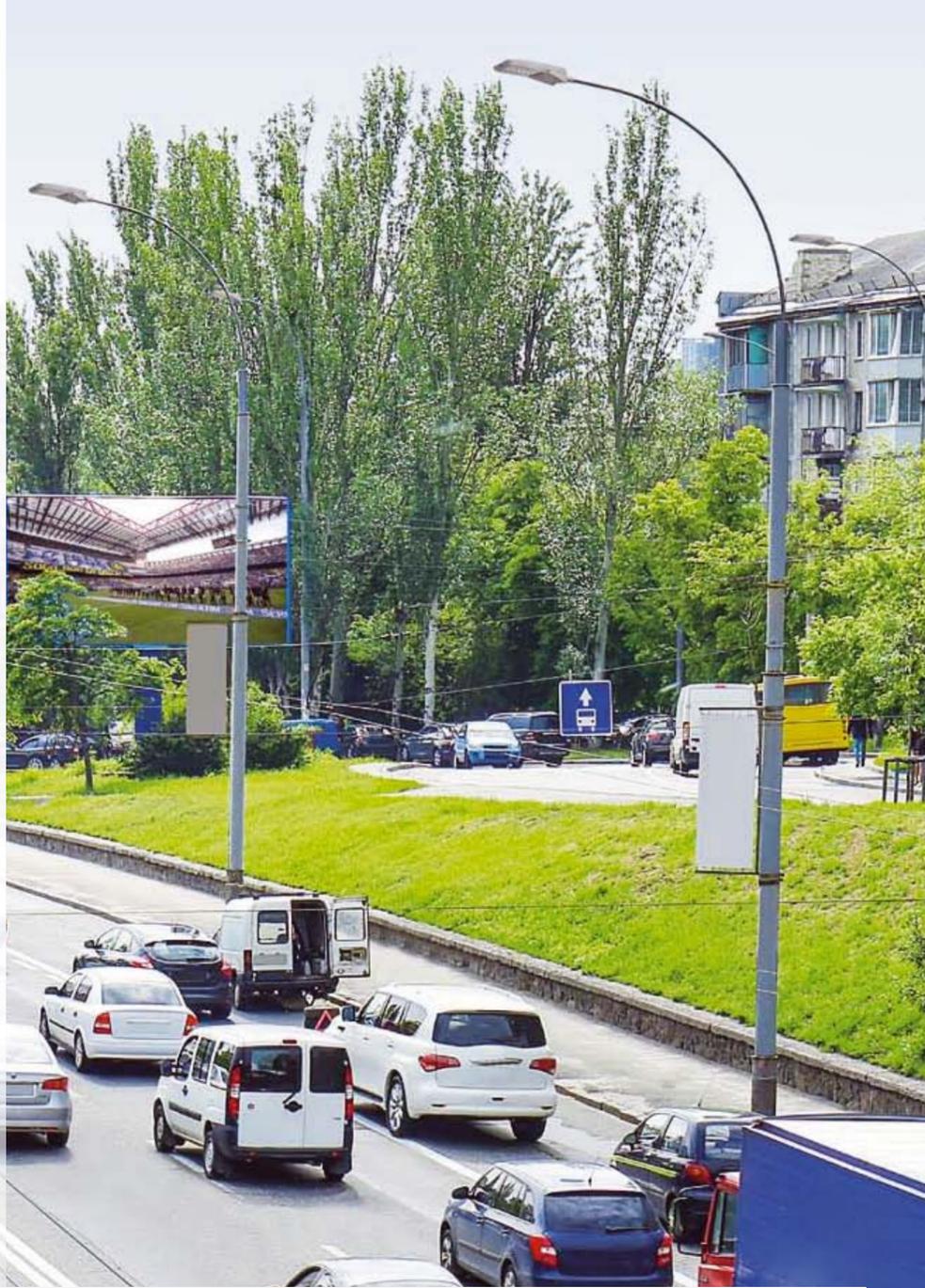


Table for the various options for managing the supply point

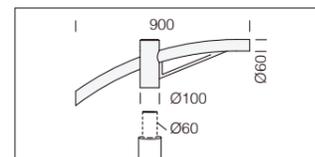
1-10V dimming	Virtual midnight	PLC remote control	Nema Socket	Wi-Fi remote control (to be agreed upon)
Adjustment range from 10%-100% with 1-10V	Stand alone system with reduction of luminous flux and surge protector 6/10 KV	Point-to-point and system management and diagnosis system	It can be installed directly onto the luminaire's body, ideal for the remote control of lights	Point-to-point and system management and diagnosis system with Wi-Fi system
Ordered with sub-code -12	Ordered with sub-code -30	Ordered with sub-code -0078	Ordered with sub-code -40	on request

3395 Sella 2 - large areas						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	Triple E code	W tot	K - ø1m 700mA - CRI 70
LED	grey	11.00	330824-00	LIG 75616	136	4000K - 11450lm - CRI 70
LED	grey	11.00	330825-00	LIG 75617	170	4000K - 14312lm - CRI 70
LED	grey	11.00	330826-00	LIG 75618	204	4000K - 17175lm - CRI 70

On request: possibility to control each individual light point (see table).

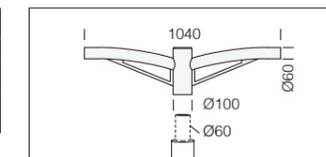
LED: LUMINOUS FLUX MAINTENANCE (including end-of-life failure)					
Sella 2: art. 3390 - 3391		L80B10 @ta+25°C	L80B10 @ta+50°C	L90B10 @ta+25°C	L90B10 @ta+50°C
n.LED	W tot				
32	170 (700mA)	>100.000h	>100.000h	70.000h	50.000h
40	212 (700mA)	>100.000h	>100.000h	70.000h	50.000h
48	255 (700mA)	>100.000h	>100.000h	60.000h	40.000h

**Life expectancy:** LEDs, unlike traditional sources, will not turn off suddenly when their working life ends, but will slowly fade their initial luminous flux until they turn off completely. In fact, LEDs do not break (except for manufacturing damages) but decay gradually and constantly. The decrease of LED flux is defined by the working life and is represented by the L80 mark, which means that the flux is kept up to 80%. The "B" letter followed by a number ranging between 10 and 50 indicates the quality of the fixture and defines the LED percentage that doesn't keep the declared characteristics when it reaches 100,000 working hours.



acc. 504 single arm	
grey	991262-00
graphite	991263-00

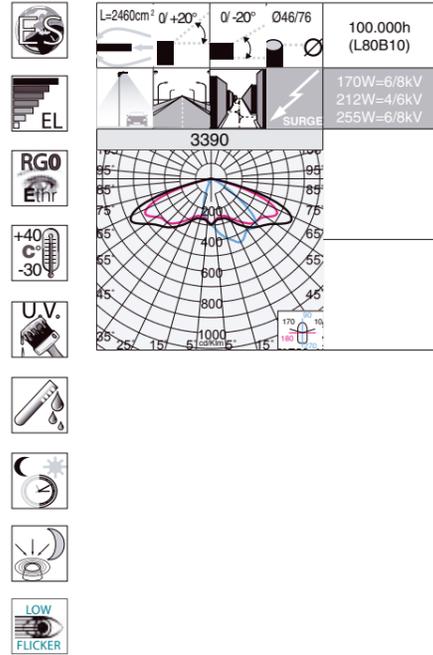
Suited for poles with a diameter 60mm.



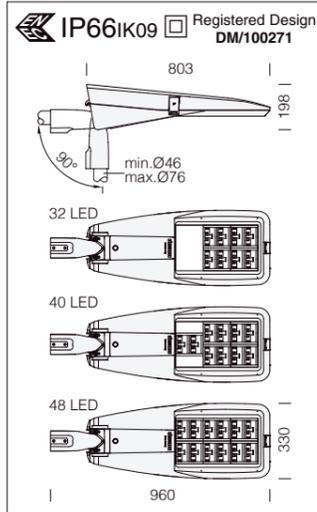
acc. 508 double arm	
grey	991266-00
graphite	991267-00

Suited for poles with a diameter 60mm.

- ES
- EL
- RG0
- Ethr
- +40°C -30°C
- U.V.
- LOW FLICKER

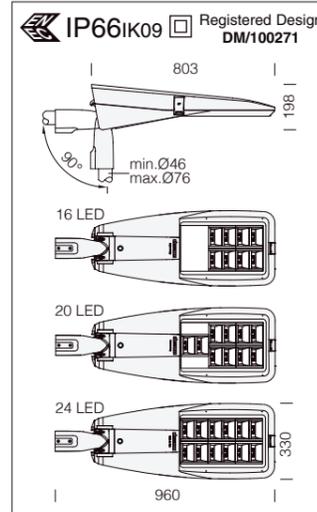


100.000h

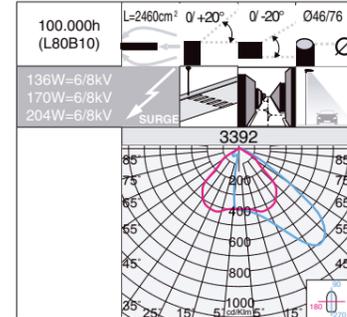


3390 Sella 2 - ST					
CLD CELL			LUMEN OUTPUT (tq= 25 °C)		
wattage (700mA)	colour	weight	code	Triple E code	W tot
LED	grey	11.00	330803-00	LIG 75610	170
LED	grey	11.00	330804-00	LIG 75611	212
LED	grey	11.00	330805-00	LIG 75612	255

On request: possibility to control each individual light point (see table).

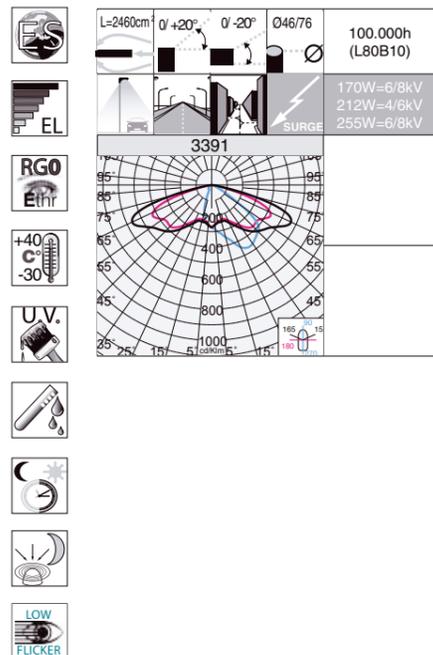


100.000h

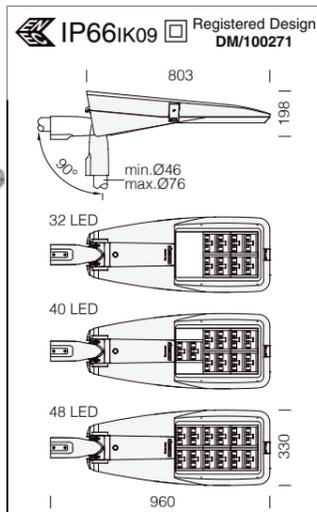


3392 Sella 2 - asymmetric 45°					
CLD CELL			LUMEN OUTPUT (tq= 25 °C)		
wattage (700mA)	colour	weight	code	Triple E code	W tot
LED	grey	11.00	330864-00	LIG 75619	136
LED	grey	11.00	330865-00	LIG 75620	170
LED	grey	11.00	330866-00	LIG 75621	204

On request: possibility to control each individual light point (see table).

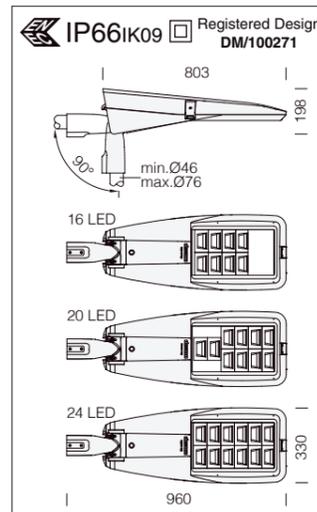


100.000h

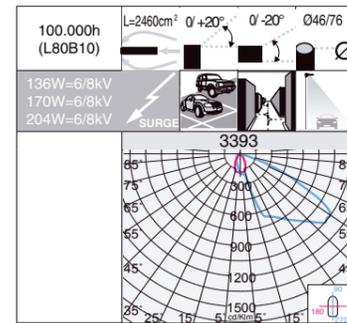


3391 Sella 2 - STWB					
CLD CELL			LUMEN OUTPUT (tq= 25 °C)		
wattage (700mA)	colour	weight	code	Triple E code	W tot
LED	grey	11.00	330813-00	LIG 75613	170
LED	grey	11.00	330814-00	LIG 75614	212
LED	grey	11.00	330815-00	LIG 75615	255

On request: possibility to control each individual light point (see table).



100.000h



3393 Sella 2 - asymmetric 60°					
CLD CELL			LUMEN OUTPUT (tq= 25 °C)		
wattage (700mA)	colour	weight	code	Triple E code	W tot
LED	grey	11.00	330884-00	LIG 75622	136
LED	grey	11.00	330885-00	LIG 75623	170
LED	grey	11.00	330886-00	LIG 75624	204

On request: possibility to control each individual light point (see table).

**Housing and cover:** in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

**Optics:** in PMMA, highly resistant to temperature and UV radiation. Flow recovery in V2 polycarbonate.

**Pole connection:** in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 20° for side mount; and between 0° and 15° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 46-76.

**Diffuser:** clear, tempered glass, 4 mm thick, resistant to thermal shock 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:** automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module. Complete with quick connection.

**LED:** Power factor  $\geq 0.9$ . Luminous flux maintenance 80%: 80.000h (L80B10).



**Housing and cover:** in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

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

**Pole connection:** in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 15° for side mount; and between 0° and 10° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 63-60mm

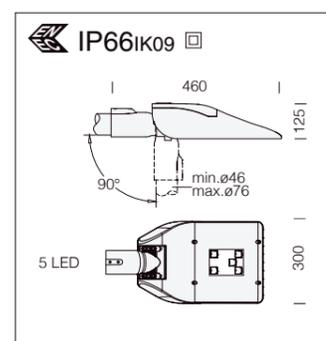
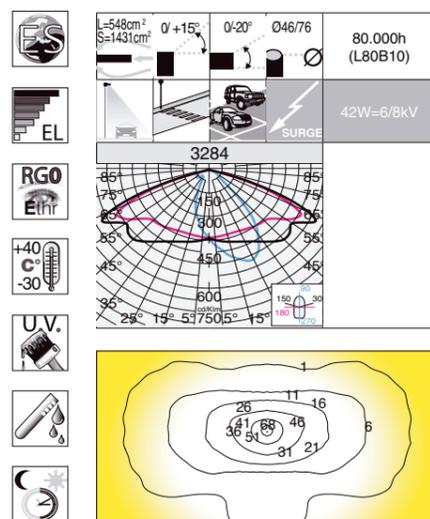
**Diffuser:** clear, tempered glass, 4 mm thick, resistant to thermal shock and impacts (UNI-EN 12150-1 : 2001)

**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:** Automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module.

**Equipment:** complete with IP67 airtight connector for mains connection. Supplied with double insulation switch that cuts off electricity when the cover is opened.

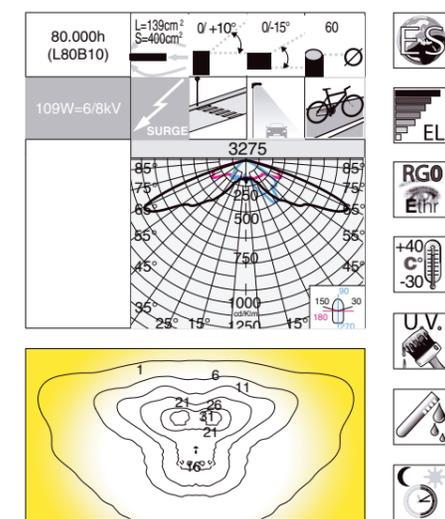
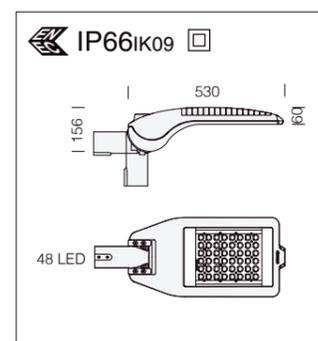
**LED:** Power factor  $\geq 0.9$ . Luminous flux maintenance 80%: 80.000h (L80B10).



3284 Rolle - T5						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	Triple E code	W tot	K - olm 700mA - CRI
LED	grey	7.70	330440-00	LIG 75631	42	4000K - 4659lm - CRI 70

**On request:** possibility to control each individual light point (see table).

	Power Supply	n.LED	W tot	olm
<b>On request</b>	350mA	5	21	2566lm
<b>On request</b>	530mA	5	32	3495lm



3275 Mini Stelvio plus						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (700mA)	colour	weight	code	Triple E code	W tot	K - olm 700mA - CRI
LED	anthracite	8.10	330362-00	LIG67123	109	4000K - 10848lm - CRI $\geq$ 70

**On request:** possibility to control each individual light point (see table).

	Power supply	n.LED	W tot	olm
<b>On request</b>	350mA	48	53	5897lm
<b>On request</b>	530mA	48	78	8635lm

**Housing and cover:** in die-cast aluminium and designed with a very small surface exposed to wind. Cooling fins are integrated into the cover.

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

**Heat sink:** the heat dissipation system is specially designed and made to allow the operation of the LED lights with temperatures ensuring excellent performance/efficiency and durability.

**Pole connection:** in die-cast aluminium and with gaskets to secure the frame according to different inclinations. Adjustable ranges: between 0° and 15° for side mount; and between 0° and 10° for mast-top mounting. Inclination pace: 5°. Suited for poles with a diameter 63-60mm

**Diffuser:** clear, tempered glass, 4 mm thick, resistant to thermal shock 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:** Automatic temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module.

**Equipment:** complete with IP67 airtight connector for mains connection. Supplied with double insulation switch that cuts off electricity when the cover is opened.

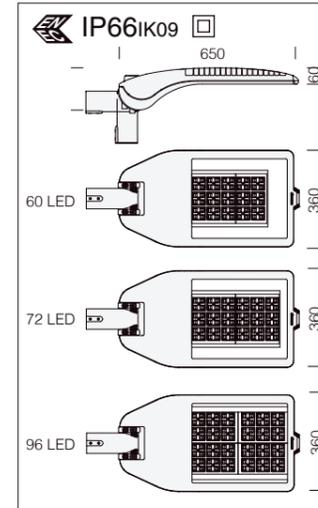
**Energy-saving:** the possibility to choose the correct drive current for LEDs will allow you to have the right power under specific design conditions, and also help you deal with maintenance and retrofitting problems. Using a lower current will improve the efficiency of fixtures and therefore increase energy savings, whilst a higher current will result in a higher light flux so that you can reduce the number of fixtures.

**LED:** Power factor  $\geq 0.9$ .  
Luminous flux maintenance 80%: 50.000h (L80B20).

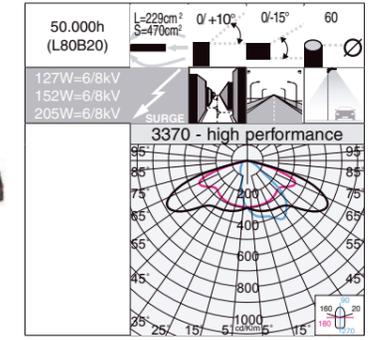


Table for the various options for managing the supply point

1-10V dimming	Virtual midnight	PLC remote control	Nema Socket	Wi-Fi remote control (to be agreed upon)
Adjustment range from 10%-100% with 1-10V	Stand alone system with reduction of luminous flux and surge protector 6/10 KV	Point-to-point and system management and diagnosis system	It can be installed directly onto the luminaire's body, ideal for the remote control of lights	Point-to-point and system management and diagnosis system with Wi-Fi system
Ordered with sub-code -12	Ordered with sub-code -30	Ordered with sub-code -0078	Ordered with sub-code -40	on request

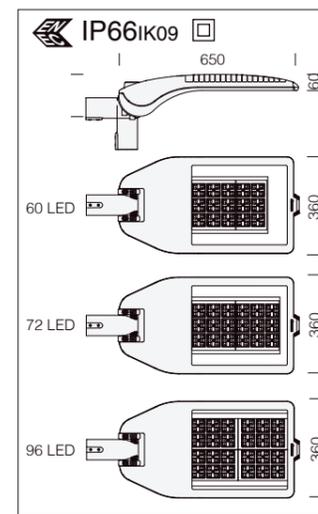


50.000h

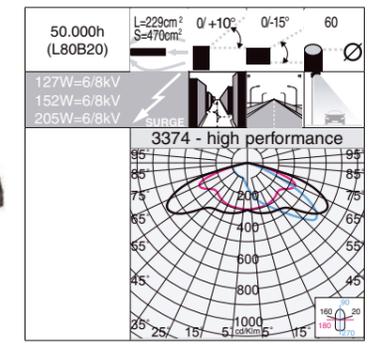


3370 Stelvio - high performance						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	anthracite	7.60	340250-00	LIG 75625	127	4000K - 16892lm - CRI $\geq$ 70
LED	anthracite	8.00	340251-00	LIG 75626	152	4000K - 20594lm - CRI $\geq$ 70
LED	anthracite	8.10	340252-00	LIG 75627	205	4000K - 27458lm - CRI $\geq$ 70

On request: possibility to control each individual light point (see table).

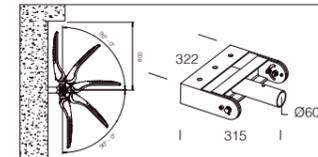


50.000h



3374 Stelvio - high performance - large areas						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	Triple E code	W tot	K - ølm - CRI
LED	anthracite	7.60	340260-00	LIG 75628	127	4000K - 16348lm - CRI $\geq$ 70
LED	anthracite	8.00	340261-00	LIG 75629	152	4000K - 19853lm - CRI $\geq$ 70
LED	anthracite	8.10	340262-00	LIG 75630	205	4000K - 26560lm - CRI $\geq$ 70

On request: possibility to control each individual light point (see table).



acc. 578 adjustable bracket	
anthrac.	997709-00

Adjustable bracket for wall mounting or for use on the towers.

**Housing:** in die-cast aluminium. Closing hooks are made of die-cast aluminium with retractable safety screws and AISI 304 stainless steel springs.

**Optics 3306:** in PMMA, highly resistant to temperature and UV radiation.

**Optics 3311:** in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

**Diffusers:** in tempered glass, 5 mm thick, resistant to thermal and mechanical shock (UNI EN 12150-1/2001).

**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Equipment:** temperature control inside the device with automatic resetting. Safety diode to protect against voltage peaks compliant with EN 61547. With dedicated electronic device to protect the LED module.

**Upon request:** available with AC/DC converter as standard to allow operation in public lighting systems.

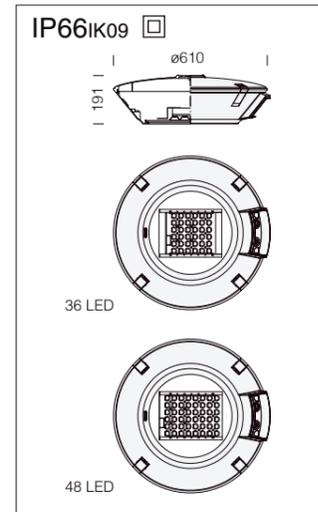
**LED 3306:** Power factor  $\geq 0.9$ . Luminous flux maintenance 80%: 80.000h (L80B20).

**LED 3311:** Power factor  $\geq 0.9$ . Luminous flux maintenance 80%: >100.000h (L80B10).

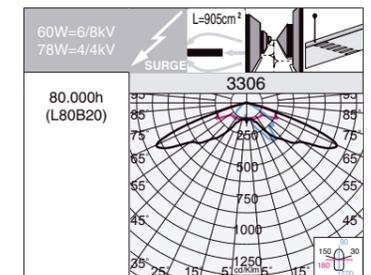


Table for the various options for managing the supply point

1-10V dimming	Virtual midnight	PLC remote control	Wi-Fi remote control (to be agreed upon)
Adjustment range from 10%-100% with 1-10V	Stand alone system with reduction of luminous flux and surge protector 6/10 KV	Point-to-point and system management and diagnosis system	Point-to-point and system management and diagnosis system with Wi-Fi system
Ordered with sub-code -12	Ordered with sub-code -30	Ordered with sub-code -0078	on request



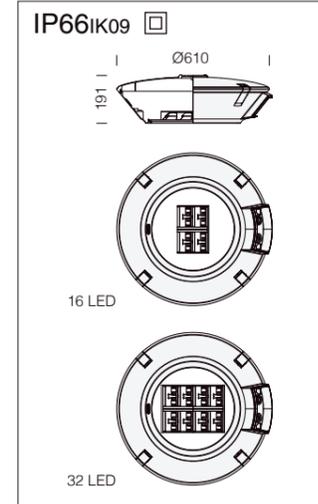
80.000h



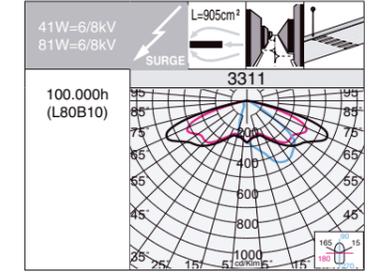
3306 Visconti 7 - street lighting						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (530mA)	colour	weight	code	Triple E code	W tot	K - ølm 530mA - CRI
LED	graphite	10.60	328070-00	LIG 75632	60	4000K - 6937lm - CRI>70
LED	graphite	10.60	328071-00	LIG 75633	78	4000K - 9252lm - CRI>70

On request: possibility to control each individual light point (see table).

	Power Supply	n.LED	W tot	ølm
On request	350mA	36	37	4581lm
		48	51	6110lm

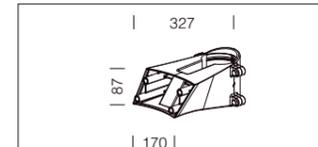


100.000h

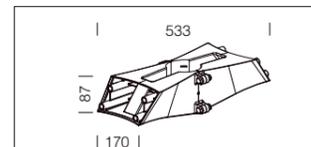


3311 Visconti 12 - STWB						
		CLD CELL			LUMEN OUTPUT (tq= 25 °C)	
wattage (350mA)	colour	weight	code	Triple E code	W tot	K - ølm 350mA - CRI
LED	graphite	10.60	328030-00	LIG 75634	41	4000K - 5404lm - CRI 70
LED	graphite	10.60	328031-00	LIG 75635	81	4000K - 10430lm - CRI 70

On request: possibility to control each individual light point (see table).



**acc. 281 single pole mounting arm**  
graphite 991432-00  
In die-cast aluminium. We recommend using poles acc. 1485/87 - 1417/18



**acc. 282 dual pole mounting arm**  
graphite 991434-00  
In die-cast aluminium. We recommend using poles acc. 1485/87 - 1417/18



**disano**  
illuminazione

**fosnova**



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**disano**  
IRELAND illuminazione

Ballybay Co. Monaghan, Cordoolough

Tel. +353-08/72236251

[john.walsh@disano.ie](mailto:john.walsh@disano.ie)

[paul.hand@disano.ie](mailto:paul.hand@disano.ie)