

Sizes in cm



Materials: Powder-coated finish aluminium injection luminaire.
Tempered glass diffuser closing and silicone water tightness junction.
Stainless steel safety screws.

Colours: light grey (RAL 9006).
(other colours available to order)

Sizes (cm): Ø 42 x 8.5

Weight (kg): 6

Surface exposed to wind (m²): 0.02

Installation: Suitable for pole and wall attachment using a range of fastening accessories.
Component delivered in two parts: luminaire and fastening attachments.
(for further information about accessories, log onto the website www.urbidermis.com)

Applicable standards: UNE-EN 60529, UNE-EN 60598, UNE-EN 55015, UNE-EN 61000, UNE-EN 50102, UNE-EN 62031, UL 1598, UL 8750, (file E-505463).

Protections: IP66 (protection from dust ingress and high-pressure water jets), suitable for wet locations, IK08 (protection against external mechanical impacts).

Electrical rating: Class I (CE)

Light source: High-efficiency optical unit with 18 LEDs or 36 LEDs

Nominal lamp power (W): 22 - 80

System power (W): 22 - 85

Operating current (mA): 350, 500 or 700

Colour temperature (K°): 3000 / 4000

Luminous flux and efficacy:

3000°K

IRC min 80

Luminous flux (lm): 1700-7000

Luminous efficacy (lm/W): 80-83

4000°K

IRC tip 70

Luminous flux (lm): 2000-9000

Luminous efficacy (lm/W): 95-106

Light distributions: Type II, Type III or Type IV (according to IESNA classification)
Upper Light Output Ratio (ULOR%): 0.60 - 0.88

Power supply: constant current driver.

Regulation:

1-10V / Dali / Header flux regulation / Programmable automatic regulation.

The LED luminaire may be regulated using a number of differing interfaces. These controls allow specific, individual control of light, reducing energy consumption in a sustainable manner.

Constant light output (CLO).

Assures a constant lumen output from the luminaire throughout its lifetime.

Power factor (cos φ):

N° LEDs	Intensidad (mA)	P (W) 100% - CLO 100%	
18	350	22	0.93
	500	31	0.95
	700	43	0.97
36	350	40	0.9
	500	57	0.94
	700	80	0.96

Operating voltage: 220-240V 50Hz (CE) / 120-277V 60Hz (UL)

Wire:

1 kV 3 x 2,5mm²

1 kV 5 x 1,5mm² (prog.)

Temperature operating range Ta Ta (°C): between -25 and 30 (700mA)

Lifetime: TM21 L70 (10k) > 60.000 h

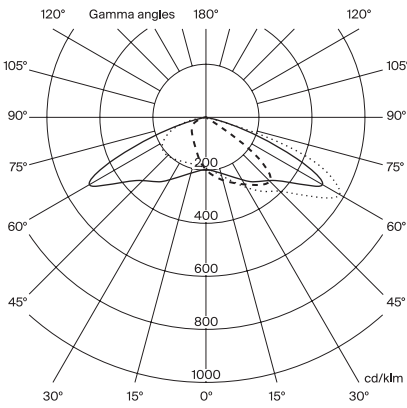
Thanks to an optimised thermal design, the luminous flux is maintained up to 70% after 60,000 h.

Under exceptional cases when the ambient temperature is excessive, the output may be reduced using the (NTC) active control system that ensures the right operating temperature is maintained.

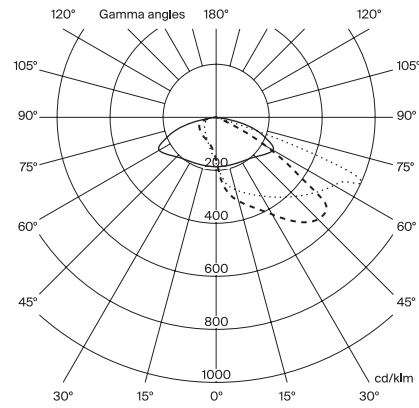
LED configurations

Reference	N° LEDs	T° color (K)	Lamp power (W)	System power (W)	Current (mA)	IESNA optic TII		IESNA optic TIII		IESNA optic TIV	
						Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)
SPL18A1xx	18	3000 CRI min 80	18	22	350	2114	96	1991	90	2036	93
SPL18B1xx			26	32	500	2980	93	2805	88	2869	90
SPL18C1xx			36	42	700	3858	92	3632	86	3714	88
SPL18A2xx		4000 CRI typ 70	18	22	350	2495	113	2349	107	2402	109
SPL18B2xx			26	32	500	3516	110	3310	103	3384	106
SPL18C2xx			36	42	700	4552	108	4286	102	4382	104
SPL36A1xx	36	3000 CRI min 80	36	40	350	4004	100	3770	94	3855	96
SPL36B1xx			51	59	500	5553	94	5228	89	5346	91
SPL36C1xx			72	85	700	7190	85	6769	80	6922	81
SPL36A2xx		4000 CRI typ 70	36	40	350	4724	118	4448	111	4548	114
SPL36B2xx			51	59	500	6552	111	6168	105	6307	107
SPL36C2xx			72	85	700	8483	100	7987	94	8167	96

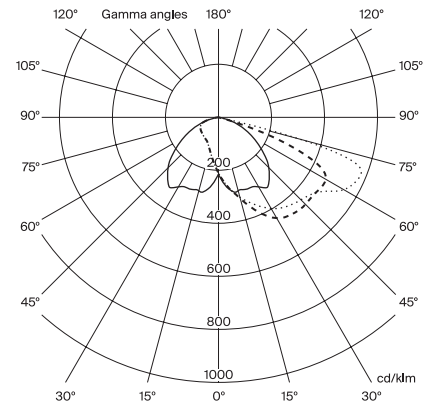
Asymmetric Max. intensity 573.26 cd/klm
TII Distribution
LOR 100%
ULOR 0%±3%
C Halfplanes
0° — 180°
90° - - - 270°
25° ····· 205°



Asymmetric Max. intensity 593.70 cd/klm
TIII Distribution
LOR 100%
ULOR 0%±3%
C Halfplanes
0° — 180°
90° - - - 270°
40° ····· 220°



Asymmetric Max. intensity 579.34 cd/klm
TIV Distribution
LOR 100%
ULOR 0%±3%
C Halfplanes
0° — 180°
90° - - - 270°
65° ····· 245°



For calculation in ground type II (according to UNE-40) and wind speed of 29 m/s, with soil formed by loose or wet dirt or sand of medium compactness ($E_0 = 4800 \text{ KN/m}^2$), with HM-20 concrete. Non-binding information. We advise to carry out checks for each situation.