

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 o 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)

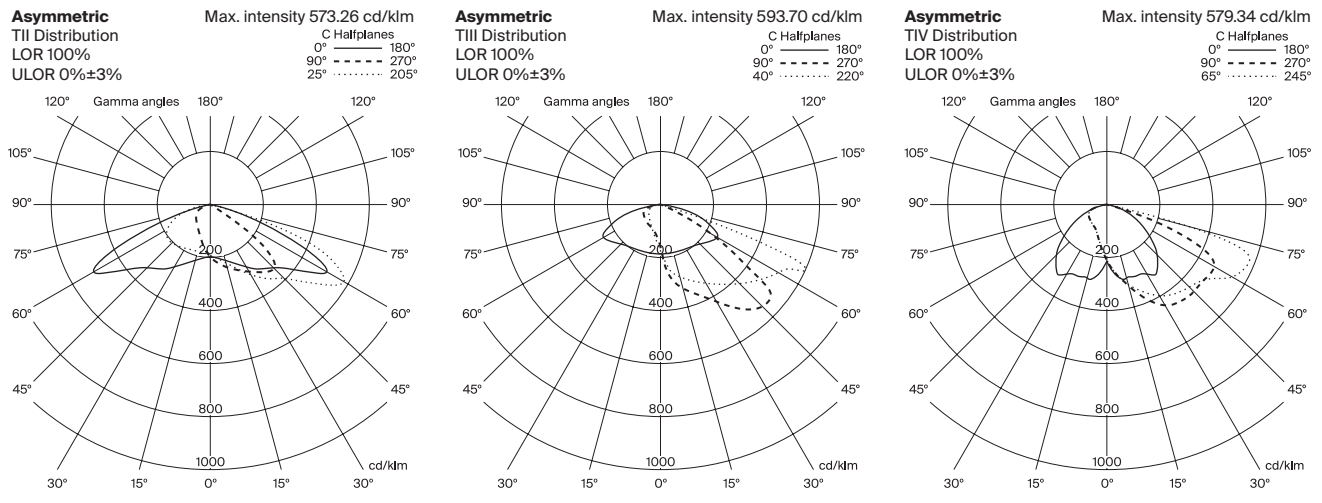
Lifetime: TM21 L70 (10k) > 60.000 h

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 ^c 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)
ARP18A1XX	18	3000 CRI min 80	17	21	350	1767	80	2047	106	1902	86
ARP18B1XX			25	29	500	2490	78	2885	100	2680	84
ARP18C1XX			37	42	700	3173	76	3677	88	3416	81
ARP18A2XX		4000 CRI typ 70	17	21	350	2098	95	2431	139	2259	103
ARP18B2XX			25	29	500	2982	93	3456	99	3211	100
ARP18C2XX			37	42	700	3767	90	4366	104	4056	97
ARP36A1XX	36	3000 CRI min 80	34	39	350	3345	100	3877	96	3602	97
ARP36B1XX			50	55	500	4640	79	5377	103	4995	85
ARP36C1XX			78	85	700	6008	71	6962	90	6468	76
ARP36A2XX		4000 CRI typ 70	34	39	350	4090	102	4740	118	4403	110
ARP36B2XX			50	55	500	5183	88	6006	102	5580	95
ARP36C2XX			78	85	700	7344	86	8511	100	7907	93



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.