

Sizes in cm



Materials:

Injected aluminium luminaire, primed and painted. Injected aluminum internal heat sink. Tempered optical glass diffuser and silicone gaskets.

Stainless steel safety screws.

Finishes:



Light grey

Medium grey

Black

*The colors shown are merely indicative and may differ from reality. (Other colors available to order)

**See special finishes for marine environments

Size (cm):

Ø 30 x 25.5

Weight (kg):

6.2

Surface exposed to wind (m²):

0.06

Installation:

Suitable for pole attachment using a fastening fixture not included (see drawing A).

Suitable for catenary attachment using a fastening fixture not included (see drawing B).

Delivered in two parts: luminaire and attachment.

*Catenary wire not included.

(For further information log onto urbidermis.com)

Applicable standards: UNE-EN 60529, UNE-EN 60598, UNE-EN 55015, UNE-EN 61000, UNE-EN 50102, UNE-EN 62031 (tests performed by accredited laboratory ENAC, CE), UL 1598, UL 8750, (file E-505192).

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 16, 24 LEDs or COB.

Nominal lamp power (W):

16 LEDs: 16 / 23

24 LEDs: 25 / 35

COB: 14 / 20

System power (W):

16 LEDs: 18 / 25

24 LEDs: 28 / 40

COB: 19 / 27

Operating current (mA): 350, 500

Color temperature (K[°]): 3000 CRI min80, 4000 CRI typ70

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	Current (mA)	P (W) 100%, CLO 80%
16	350	0,89
	500	0,93
24	350	0,79
	500	0,86
COB	350	0,93
	500	0,96

Operating voltage: 220-240V 50Hz (CE)

Wire:

0,6/1 kV 3x2,5mm²

0,6/1 kV 5x1,5mm² (prog.)

Temperature operating range Ta (°C): between -25 and 30 (450mA)

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.

Light distributions:

Symmetrical: Wide Flood (WF 76°), Flood (F 43°), Medium (M 30°), Spot (SP 15°), Type V (TV 75°+135°), Type II+II (TII+II).

Asymmetrical: Type II, Type III o Type IV (according to IESNA classification).

*Luminaire tilt 7.5°

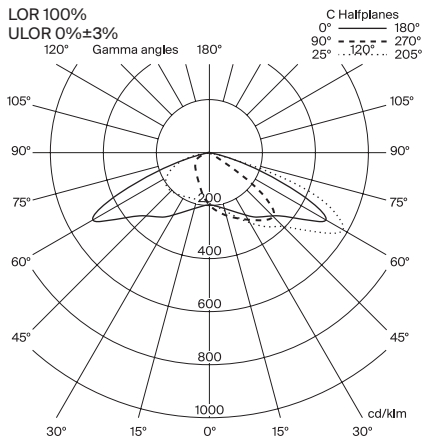
Upper Light Output Ratio (FHS%): 0.60 – 0.88

Configurations

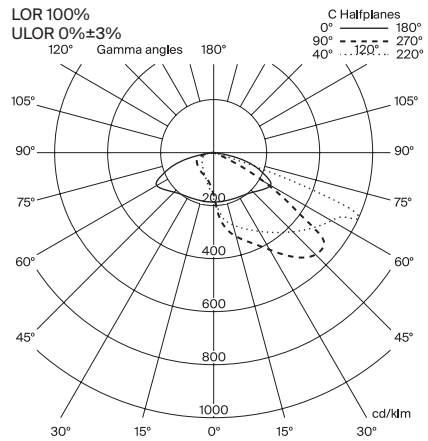
Reference	N° LEDs	Color T° (K)	Current (mA)	Lamp power (W)	System power (W)	IESNA TII		IESNA TIII		IESNA TIV		IESNA TV		IESNA TII+II		Simmetrical WF		Simmetrical F		Simmetrical M		Simmetrical S	
						Luminaire luminous flux (lm)	Efficacy (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)	Flux lumineux du luminaire (lm)	Efficacité (lm/W)
TML16A1xx	16	3000 CRI min80	350	16	18	1673	93	1575	87	1610	89	1619	90	1673	93	1749	97	1887	105	1844	102	1810	101
TML16B1xx			500	23	25	2357	94	2219	89	2269	91	2282	91	2357	94	2464	99	2659	106	2598	104	2550	102
TML16A2xx		4000 CRI typ70	350	16	18	1974	110	1858	103	1900	106	-	-	-	-	2063	115	2226	124	2175	121	2135	119
TML16B2xx			500	23	25	2781	111	2618	105	2678	107	-	-	-	-	2908	116	3137	125	3065	123	3009	120
TML24A1xx	24	3000 CRI min80	350	24	25	2376	95	2237	89	2287	91	2300	92	2376	95	2484	99	2680	107	2618	105	2570	103
TML24B1xx			500	34	35	3295	94	3102	89	3172	91	3190	91	3295	94	3444	98	3717	106	3631	104	3564	102
TML24A2xx		4000 CRI typ70	350	24	25	2803	112	2639	106	2698	108	-	-	-	-	2930	117	3162	126	3089	124	3032	121
TML24B2xx			500	34	35	3887	111	3660	105	3742	107	-	-	-	-	4064	116	4385	125	4285	122	4205	120
TMLCA1xx	COB	3000 CRI min80	-	-	-	-	-	-	-	-	-	-	-	-	-	1454	106	-	-	-	-	-	-
TMLCB1xx			-	-	-	-	-	-	-	-	-	-	-	-	-	1988	101	-	-	-	-	-	-
TMLCA2xx		4000 CRI typ70	-	-	-	-	-	-	-	-	-	-	-	-	-	1715	125	-	-	-	-	-	-
TMLCB2xx			-	-	-	-	-	-	-	-	-	-	-	-	-	2344	120	-	-	-	-	-	-

*Opal option -7.5% luminous flux

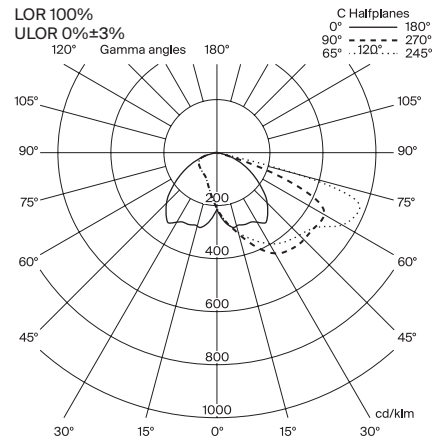
Asymmetric Max. intensity 573.26 cd/klm
TII Distribution



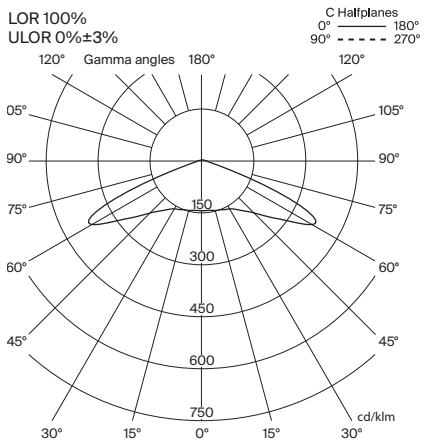
Asymmetric Max. intensity 593.70 cd/klm
TIII Distribution



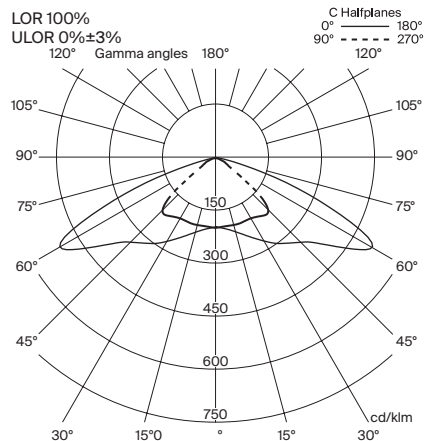
Asymmetric Max. intensity 579.34 cd/klm
TIV Distribution



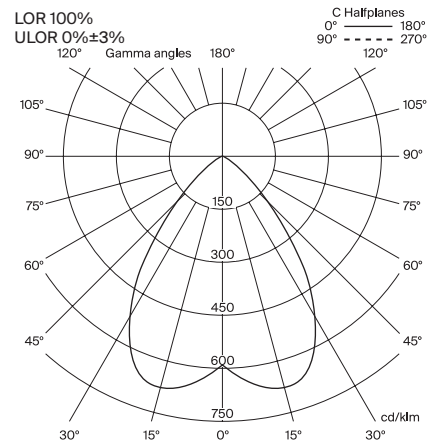
Symmetric Max. intensity 671.25 cd/klm
TV Distribution



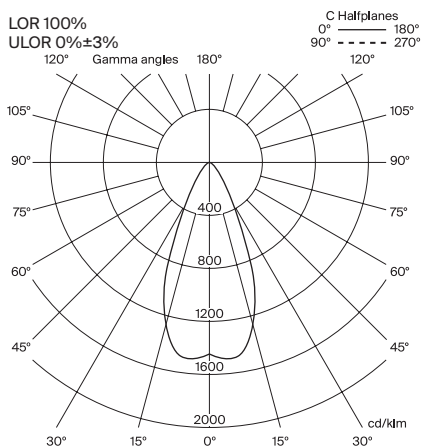
Symmetric Max. intensity 509.57 cd/klm
TII + II Distribution



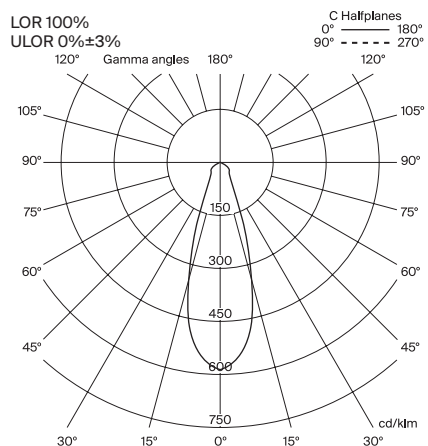
Symmetric Max. intensity 671.25 cd/klm
Wide Flood Distribution



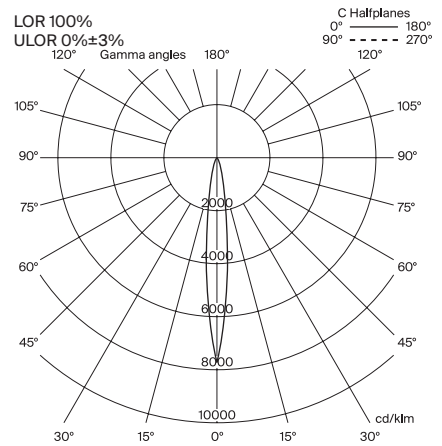
Symmetric Max. intensity 1466.62 cd/klm
Flood Distribution



Symmetric Max. intensity 1951.75 cd/klm
Medium Distribution



Symmetric Max. intensity 7697.66 cd/klm
Spot Distribution



*Recomendations: 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.