

Sizes in cm



Materials:

Injected aluminium luminaire, primed and painted. Tempered optical glass diffuser. Stainless steel screws

Finishes:



Light grey

Medium grey

Dark grey

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

**See special finishes for marine environments

Sizes (cm):

109 x 20 x 10

Weight (kg):

15

Surface exposed to wind (m²):

0.29

Installation:

Adaptable to Ø 127 mm cylindrical pole. Installation by opening mechanism.

Instructions, screws, template and pole anchor bolts 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.

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

Electrical class: Class I (CE)

Light source: High-efficiency optical unit with 24, 48 or 72 LEDs

Nominal lamp power (W):

24 LEDs: 24 / 34 / 48

48 LEDs: 45 / 68 / 96

72 LEDs: 66 / 103 / 144

System power (W):

24 LEDs: 28 / 40 / 56

48 LEDs: 53 / 75 / 106

72 LEDs: 78 / 112 / 157

Operating current (mA): 350, 500, 700

Color temperature (K[°]): 3000 CRI min80, 4000 CRI tip70

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):

LED n°	Current (mA)	P (W) 100%, CLO 80%	P (W) 70%, CLO 80%
24	350	0.97	0.95
	500	0.98	0.97
	700	0.98	0.98
48	350	0.97	0.95
	500	0.98	0.97
	700	0.99	0.98
72	350	0.93	0.89
	500	0.96	0.93
	700	0.97	0.96

Operating voltage: 220-240V 50-60Hz (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.

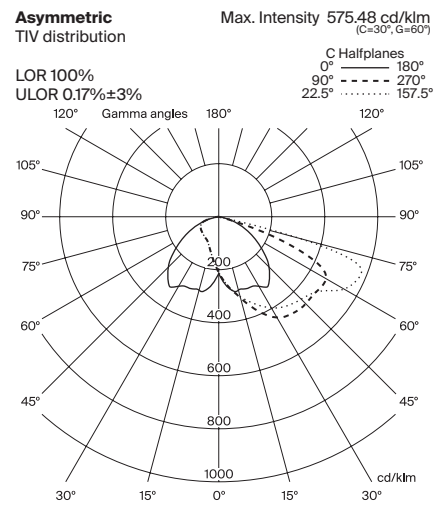
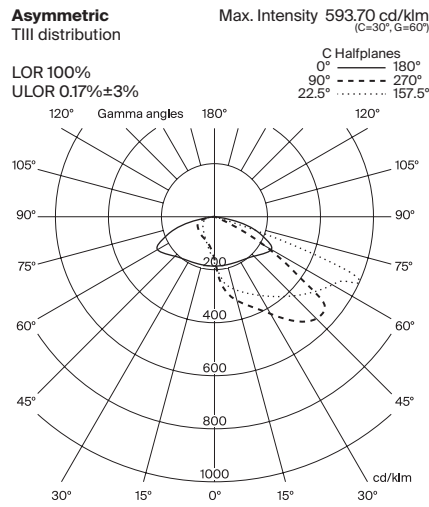
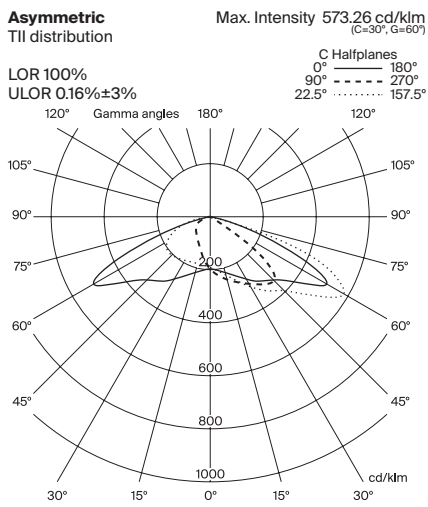
Light distributions:

Asymmetric: Type II, Type III or Type IV (according to IESNA classification).

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

Configurations

Reference	LED n°	T*color (K)	Current (mA)	Power lamp (W)	System power (W)	IESNA TII		IESNA TIII		IESNA TIV	
						Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)	Luminous flux (lm)	Efficacy (lm/W)
RAFL24A1xx	24	3000K IRC min80	350	24	28	2753	98	2849	102	2885	103
RAFL24B1xx			500	34	40	3723	93	3853	96	3901	98
RAFL24C1xx			700	48	56	4958	89	5131	92	5195	93
RAFL24A2xx		4000K IRC tip70	350	24	28	3337	119	3454	123	3497	125
RAFL24B2xx			500	34	40	4530	113	4688	117	4747	119
RAFL24C2xx			700	48	56	6071	108	6283	112	6361	114
RAFL48A1xx	48	3000K IRC min80	350	48	53	5475	103	5666	107	5737	108
RAFL48B1xx			500	68	75	7395	99	7653	102	7749	103
RAFL48C1xx			700	96	106	9661	91	9998	94	10123	95
RAFL48A2xx		4000K IRC tip70	350	48	53	6636	125	6868	130	6954	131
RAFL48B2xx			500	68	75	8998	120	9312	124	9428	126
RAFL48C2xx			700	96	106	11830	112	12243	115	12395	117
RAFL72A1xx	72	3000K IRC min80	350	72	78	8386	108	8679	111	8787	113
RAFL72B1xx			500	103	112	11250	100	11643	104	11788	105
RAFL72C1xx			700	144	157	14695	94	15208	97	15398	98
RAFL72A2xx		4000K IRC tip70	350	72	78	10165	130	10520	135	10651	137
RAFL72B2xx			500	103	112	13689	122	14167	126	14343	128
RAFL72C2xx			700	144	157	17994	115	18622	119	18854	120



*Recommendations: 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.