

Sizes in cm



Materials:

Injected aluminium luminaire, primed and painted. Tempered optical glass seal and vulcanised silicone water-resistant seals. Anodised aluminium extrusion internal heat sink.

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

Size (cm):

76 x 28 x 9

Weight (kg):

15

Surface exposed to wind (m²):

-

Installation:

Suitable for pole attachment using a range of fastening accessories. Component delivered in two parts: luminaire and fastening attachments. (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), *Wet locations*, IK08 (protection against external mechanical impacts)

Electrical rating: Class I (CE)

Light source: High-efficiency optical unit with 48, 72, 88 or 96 LEDs.

Nominal lamp power (W):

48 LEDs: 48 / 68

72 LEDs: 72 / 103

88 LEDs: 88 / 125

96 LEDs: 96 / 137

System power (W):

48 LEDs: 55 / 78

72 LEDs: 78 / 112

88 LEDs: 92 / 133

96 LEDs: 104 / 150

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%
48	350	0.97
	500	0.98
72	350	0.93
	500	0.96
88	350	0.97
	500	0.98
96	350	0.95
	500	0.97

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

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 o Type IV (according to IESNA classification)

Upper Light Output Ratio (FHS%): 0.75

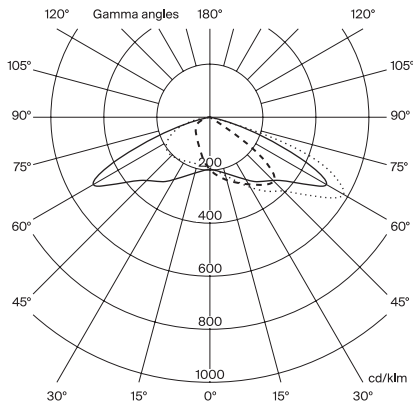
Configurations

Reference	N°LEDs	Color T° (K)	Current (mA)	Lamp power (W)	System power (W)	IESNA TII		IESNA TIII		IESNA TIV	
						Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)
CLF48A1xx	48	3000 IRC min80	350	48	55	5872	107	6806	124	6323	115
CLF48B1xx			500	68	78	8084	104	9369	120	8704	112
CLF48A2xx		4000 IRC typ70	350	48	55	6265	114	7261	132	6746	123
CLF48B2xx			500	68	78	8648	111	10023	128	9311	119
CLF72A1xx	72	3000 IRC min80	350	72	78	8775	113	10170	130	9448	121
CLF72B1xx			500	103	112	12063	108	13979	125	12987	116
CLF72A2xx		4000 IRC typ70	350	72	78	9363	120	10850	139	10080	129
CLF72B2xx			500	103	112	12905	115	14955	134	13894	124
CLF88A1xx	88	3000 IRC min80	350	88	92	10491	114	12158	132	11295	123
CLF88B1xx			500	125	133	14378	108	16662	125	15480	116
CLF88A2xx		4000 IRC typ70	350	88	92	11193	122	12972	141	12051	131
CLF88B2xx			500	125	133	15381	116	17826	134	16560	125
CLF96A1xx	96	3000 IRC min 80	350	96	104	11414	110	13228	127	12289	118
CLF96B1xx			500	137	150	15788	105	18296	122	16998	113
CLF96A2xx		4000 IRC typ 70	350	96	104	12178	117	14114	136	13112	126
CLF96B2xx			500	137	150	16890	113	19574	130	18184	121

*Opal option -7.5% luminous flux

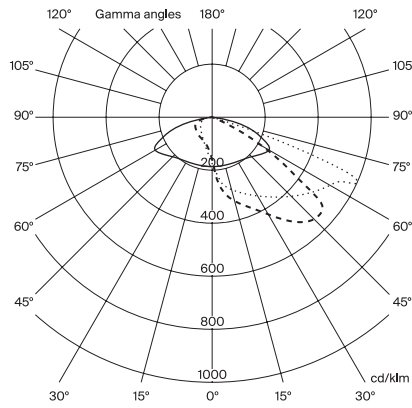
Asymmetric
TII Distribution
LOR 100%
ULOR 0%±3%
Max. intensity 573.26 cd/klm

C Halfplanes
0° — 180°
90° - - - 270°
25° ····· 205°



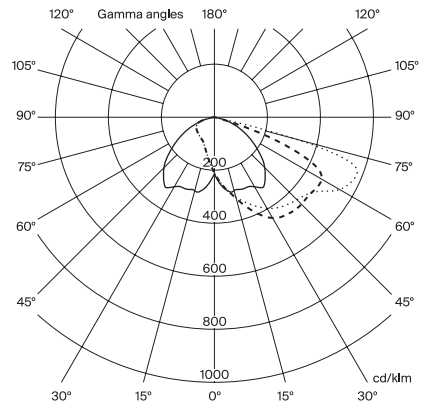
Asymmetric
TIII Distribution
LOR 100%
ULOR 0%±3%
Max. intensity 593.70 cd/klm

C Halfplanes
0° — 180°
90° - - - 270°
40° ····· 220°



Asymmetric
TIV Distribution
LOR 100%
ULOR 0%±3%
Max. intensity 579.34 cd/klm

C Halfplanes
0° — 180°
90° - - - 270°
65° ····· 245°



*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.