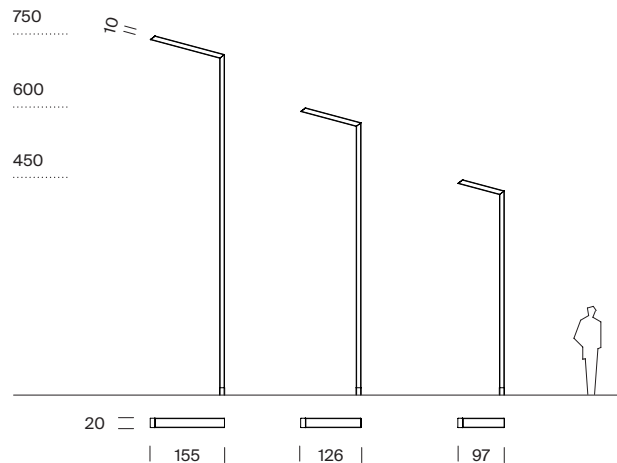


108 Streetlight

Enric Batlle, Joan Roig. 2007

SANTA & COLE
urbidermis



Dimensions in cm



Materials: Light system made of S275JR steel, with galvanised and powder paint finish.
Internal heatsink made of extruded aluminium with anodised finish.
Tempered glass optical cover and injected die-cut silicone seals.
Stainless steel screws.

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

Heighs: 7,7 m / 6,2 m / 4,7 m
(Sunk 0,2 m)

Weights:

7,7 m: 230 kg.
6,2 m: 170 kg.
4,7 m: 127,5 kg.

Surface exposed to wind (m²):

7,7 m: 9,7m²
6,2 m: 7,7m²
4,7 m: 5,7m²

Applicable standards: UNE-EN 60529, UNE-EN 60598, UNE-EN 55015, UNE-EN 61000, UNE-EN 50102, UNE-EN 62031, Light system with CE marking made in ENAC-certified laboratory.

Grados de protección: IP66 (protection from dust ingress and high-pressure water jets), IK08 (protection against external mechanical impacts).

Clase eléctrica: Class I (CE)

Light source: High-efficiency optical unit with 6, 12 or 18 LEDs Multichip

Nominal lamp power (W): 23-99

System power (W): 27-114

Operating current (mA): 300 / 450

Colour temperature (K°): 3000 / 4000

Luminous flux and efficacy:

3000°K

IRC min 70

Luminous flux (lm): 2437-9779

Luminous efficacy (lm/W): 86-92

4000°K

IRC min 70

Luminous flux (lm): 2828-11372

Luminous efficacy (lm/W): 100-106

Light distributions:

Asymmetrical: Type III (according to IESNA classification)

Upper Light Output Ratio (ULOR%): 0,55% / 0,59%

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.

Reference	N° LEDs	T°colour (K)	Lamp power (W)	System power (W)	Current (mA)	IESNA TIII A optics		IESNA TIII B optics	
						Luminaire flux (lm)	Efficacy (lm/W)	Luminaire flux (lm)	Efficacy (lm/W)
C8FL06A1	6	3000 CRI min70	23	27	300	2437	92	2437	92
C8FL06B1			33	38	450	3260	86	3260	86
C8FL06A2		4000 CRI min70	23	27	300	2828	106	2828	106
C8FL06B2			33	38	450	3791	100	3791	100
C8FL12A1	12	3000 CRI min70	46	53	300	4874	92	4874	92
C8FL12B1			66	76	450	6520	86	6520	86
C8FL12A2		4000 CRI min70	46	53	300	5656	106	5656	106
C8FL12B2			66	76	450	7582	100	7582	100
C8FL18A1	18	3000 CRI min70	69	80	300	7312	92	7312	92
C8FL18B1			99	114	450	9779	86	9779	86
C8FL18A2		4000 CRI min70	69	80	300	8483	106	8483	106
C8FL18B2			99	114	450	11372	100	11372	100

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

Wire:

0,6/1 kV 3x2,5mm²

0,6/1 kV 5x1,5mm² (prog.)

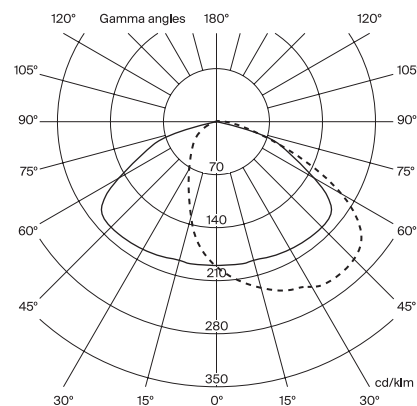
Temperature operating range Ta (°C): between -25 a 30 (450mA)

Lifetime: TM21 L70 (10k) > 60.000 h

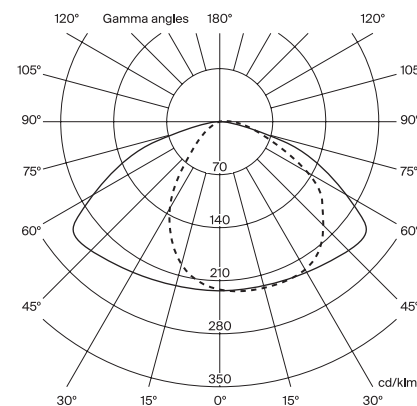
Thanks to an optimised thermal design, the luminous flux is maintained up to 70% after 60,000 h.

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.

Asymmetric
Distribution TIII A
LOR 100%
ULOR 0,55%±3%
Max. intensity 317,64 cd/klm
(C=30°, G=60°)
C Halfplanes
0° 180°
90° - - - - 270°



Asymmetric
Distribution TIII B
LOR 100%
ULOR 0,59%±3%
Max. intensity 247,02 cd/klm
(C=10°, G=54°)
C Halfplanes
0° 180°
90° - - - - 270°



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 (E₀ = 4800 KN/m²), with HM-20 concrete. Non-binding information. We advise to carry out checks for each situation.