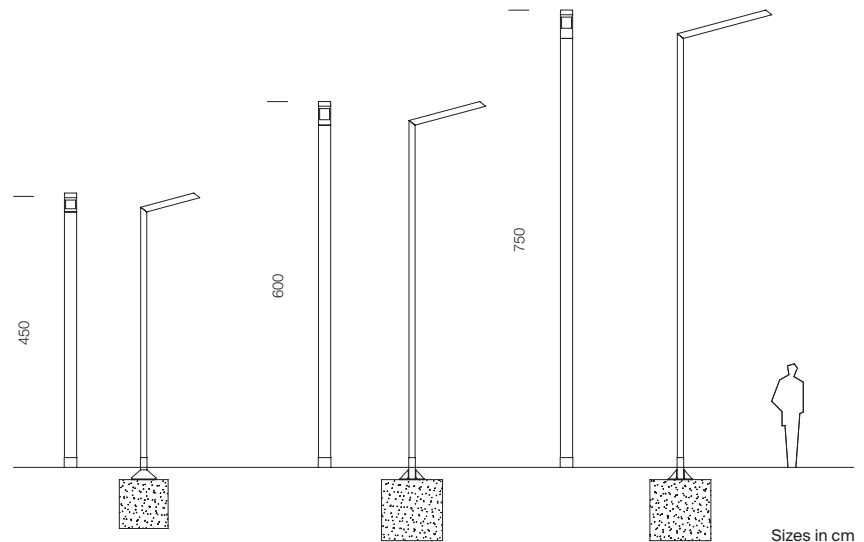


# 108 Streetlight

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SANTA & COLE  
urbidermis



RoHS



**Materials:** Pole and arm made of a continuous hot-dip galvanised and primed steel tube section with Light grey, Medium grey or Dark grey paint finish, measuring 200 x 100 cm and three heights of 4,70, 6,20 and 7,70 m.

The luminaire is composed by 2, 4 and 6 multi-chip LEDs modules with tempered glass optical diffuser.

Injected and die-cut silicone gaskets.

Stainless steel screws.

**Finishes:**



Light grey

Medium grey

Dark grey

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

**Heights (m):**

7.7 / 6.2 / 4.7 sunk 0.2m

**Weights (kg):**

7.7 m: 230

6.2 m: 170

4.7 m: 127.5

**Surface exposed to wind (m<sup>2</sup>):**

7.7 m: 0.86 lateral, 1.50 front

6.2 m: 0.69 lateral, 1.19 front

4.7 m: 0.51 lateral, 0.90 front

**Installation:**

Sunk column installation. The element is delivered in two components: light system and column.

(For further information log onto [urbidermis.com](http://urbidermis.com))

**Applicable standards:** UNE-EN 40-5, UNE-EN ISO-1461, 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.

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

**Electrical rating:** Class I (CE)

**Light source:** High-efficiency optical unit with 6, 12 or 18 LEDs multichip.

**Nominal lamp power (W):**

6LEDs (multi chip): 23 / 33

12LEDs (multi chip): 46 / 66

18LEDs (multi chip): 69 / 99

**System power (W):**

6LEDs (multi chip): 28 / 38

12LEDs (multi chip): 51 / 71

18LEDs (multi chip): 74 / 104

**Operating current (mA):** 300, 450

**Colour temperature (K°):** 3000, 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.

**Operating voltage:** 220-240V 50-60Hz (CE)

**Wire:**

0,6/1 kV 3x2,5mm<sup>2</sup>

0,6/1 kV 5x1,5mm<sup>2</sup> (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 IIIA, Type IVA, Type IVB (according to IESNA classification)

**Upper Light Output Ratio (FHS%):** 0.55-0.59

**Configurations**

Reference	N°LEDs	Color T° (K)	Current (mA)	Lamp power (W)	System power (W)	IESNA TIII A *(1)		IESNA TIV A *(2)		IESNA TIVB *(3)		IESNA TIVB *(4)	
						Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)	Luminaire luminous flux (lm)	Efficacy (lm/W)
C8FL06D1xx	6	3000 IRC tip70	300	23	28	2108	75	2108	75	-	-	-	-
C8FL06E1xx			450	33	38	2954	78	2954	78	-	-	-	-
C8FL06D2xx		4000 IRC tip70	300	23	28	2445	87	2445	87	-	-	-	-
C8FL06E2xx			450	33	38	3433	90	3433	90	-	-	-	-
C8FL12D1xx	12	3000 IRC tip70	300	46	51	4215	83	4215	83	4215	83	-	-
C8FL12E1xx			450	66	71	5909	83	5909	83	5909	83	-	-
C8FL12D2xx		4000 IRC tip70	300	46	51	4891	96	4891	96	4891	96	-	-
C8FL12E2xx			450	66	71	6866	97	6866	97	6866	97	-	-
C8FL18D1xx	18	3000 IRC tip70	300	69	74	6323	85	6323	85	-	-	6323	85
C8FL18E1xx			450	99	104	8863	85	8863	85	-	-	8863	85
C8FL18D2xx		4000 IRC tip70	300	69	74	7336	99	7336	99	-	-	7336	99
C8FL18E2xx			450	99	104	10298	99	10298	99	-	-	10298	99

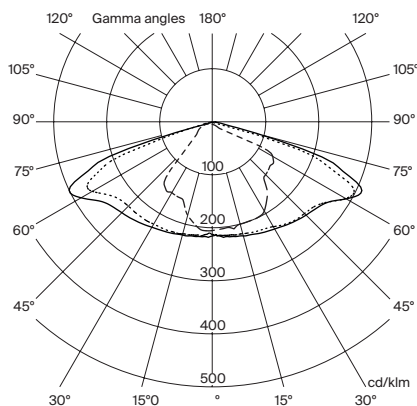
\*LED modules combination: (1) 1+1 / 2+2 / 3+3 (2) 2+0 / 4+0 / 6+0 (3) 3+1 (4) 4+2

**Asymmetric**  
TIII A distribution

Max. Intensity 433,60 cd/klm  
(C=30°, G=60°)

LOR 100%  
ULOR 0.19%±3%

C Halfplanes  
0° ----- 180°  
90° ----- 270°  
22.5° ..... 157.5°

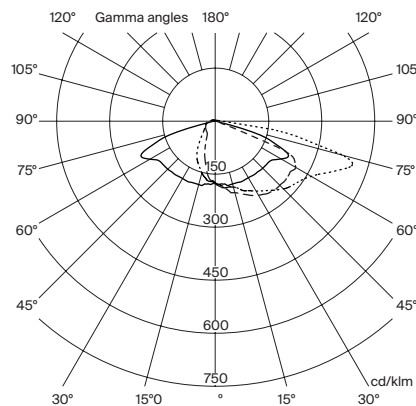


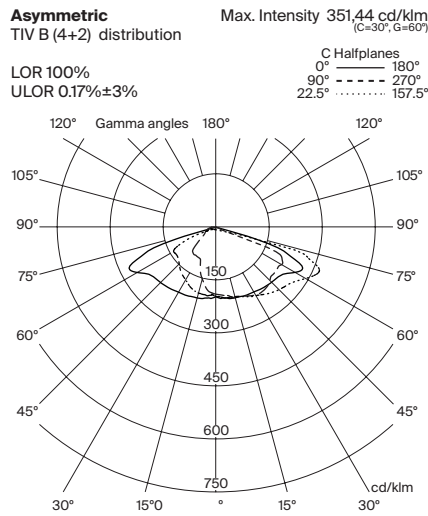
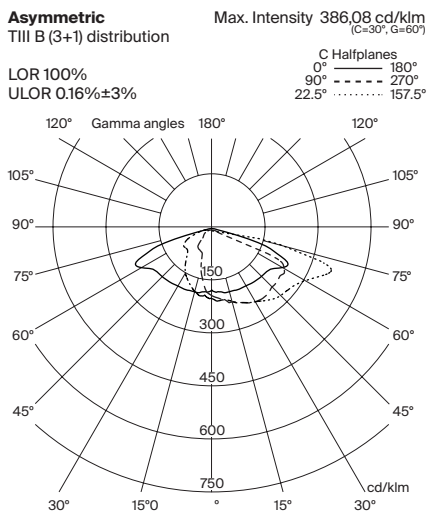
**Asymmetric**  
TIV A distribution

Max. Intensity 317,64 cd/klm  
(C=30°, G=60°)

LOR 100%  
ULOR 0.14%±3%

C Halfplanes  
0° ----- 180°  
90° ----- 270°  
22.5° ..... 157.5°





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.