

## Candela

### Luminaire

Gonzalo Milá. 2009



### Materials

Primed and powder coated Injected aluminium luminaire.  
Tempered optical glass diffuser. Polymer sealing gasket. Stainless steel and black zinc-plated steel screws.

### Installation

The Candela luminaire has a variety of accessories to adapt it to different columns, structures.  
The luminaire is supplied in two components: the illuminating body and the accessory. Instructions and screws included.

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

### Standards

UNE-EN 60529, UNE-EN 60598, UNE-EN 55015, UNE-EN 61000, UNE-EN 50102, UNE-EN 62031, UL 1598, UL 8750, (file E-505192).  
IP66 (protection from dust ingress and high-pressure water jets), Suitable for wet locations, IK08 (protection against external mechanical impacts).

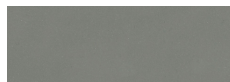
### Electrical Class

Class I (CE)

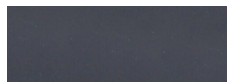
### Finishes



Light grey



Medium grey



Dark grey

\*The colours shown are merely indicative and may differ from reality. (Other colours on request)

\*\*Request finishes for marine environments

### Weight kg [lb] (unpacked)

15 [33.07]

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

0,07

**Technical information**

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

**Nominal lamp power (W)**

48 LEDs: 47 / 67  
 72 LEDs: 71 / 101  
 88 LEDs: 87 / 123  
 96 LEDs: 95 / 135

**System power (W)**

48 LEDs: 51 / 73  
 72 LEDs: 77 / 110  
 88 LEDs: 92 / 133  
 96 LEDs: 104 / 148

**Operating current (mA)**

350, 500.

**Color temperature (K)**

3000 CRI min80, 4000 CRI min80.

**Power supply**

Constant current driver.

**Regulation**

1-10V / DALI / Header flux regulation / Programmable automatic regulation / Wireless connection through node to street lighting management platforms.

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%	LED n°	Current (mA)	P (W) 100%, CLO 80%
48	350	0.97	88	350	0.97
	500	0.99		500	0.98
72	350	0.98	96	350	0.95
	500	0.99		500	0.97

**Operating voltage**

220-240V 50-60Hz (CE)  
 120V 60Hz (UL)

**Recommended wire**

0,6-1kV - 5 x 1,5mm<sup>2</sup> (AWG18) / 3 x 2,5mm<sup>2</sup> (AWG16)

**Operating rated temperature (°C)**

Ta 30.

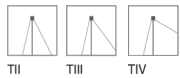
**Lifetime**

TM21 L70 (10k) > 60.000 h.

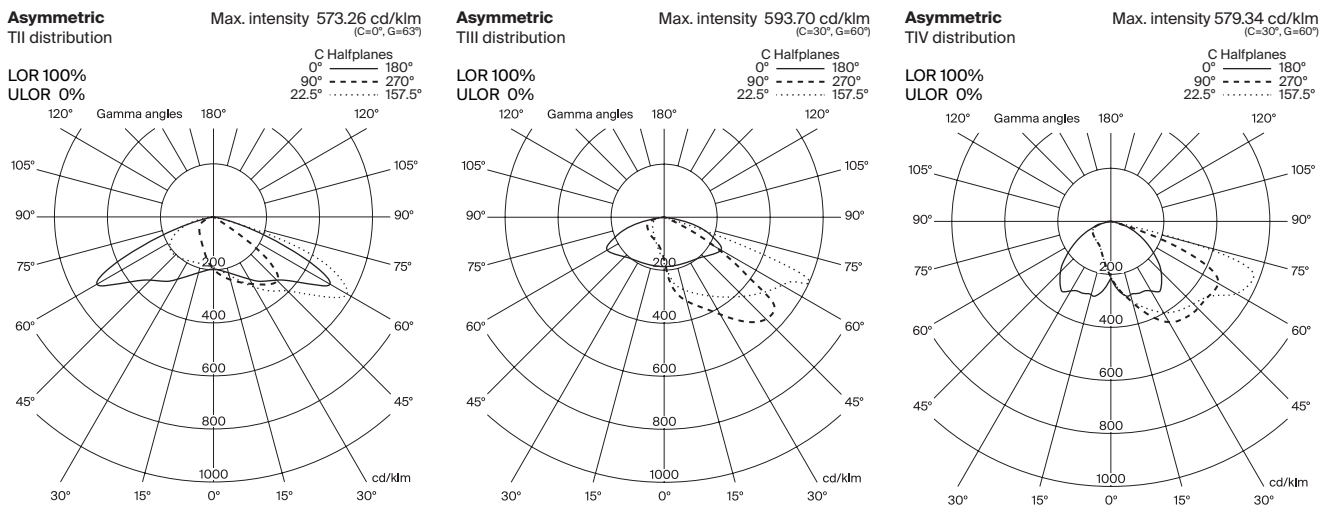
Thanks to an optimised thermal design, the luminous flux is maintained up to 70% after 60.000 h.

**Light distributions**

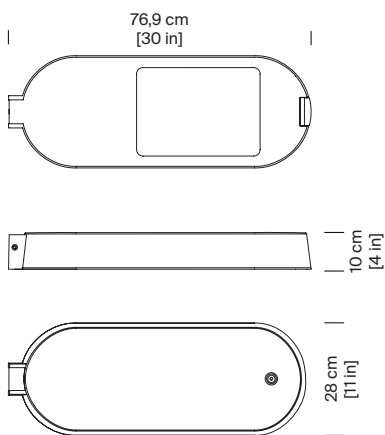
**Asymmetric**



**Upper Light Output Ratio (ULOR%) 0.75**



Reference	N°LEDs	Colour 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)
CLF48A1**	48	3000 CRI min80	350	47	51	5873	115	6813	134	6343	124
CLF48B1**			500	67	73	8084	111	9378	128	8731	120
CLF48A2**		4000 CRI min80	350	47	51	6754	132	7834	154	7294	143
CLF48B2**			500	67	73	9297	127	10784	148	10041	138
CLF72A1**	72	3000 CRI min80	350	71	77	8776	114	10180	132	9478	123
CLF72B1**			500	101	110	12063	110	13993	127	13028	118
CLF72A2**		4000 CRI min80	350	71	77	10092	131	11707	152	10899	142
CLF72B2xx			500	101	110	13872	126	16092	146	14982	136
CLF88A1**	88	3000 CRI min80	350	87	92	10492	114	12171	132	11332	123
CLF88B1**			500	123	133	14377	108	16678	125	15528	117
CLF88A2**		4000 CRI min80	350	87	92	12066	131	13997	152	13032	142
CLF88B2**			500	123	133	16534	124	19180	144	17857	134
CLF96A1**	96	3000 CRI min80	350	95	104	11416	110	13242	127	12329	119
CLF96B1**			500	135	148	15788	107	18314	124	17051	115
CLF96A2**		4000 CRI min80	350	95	104	13128	126	15229	146	14178	136
CLF96B2**			500	135	148	18156	123	21061	142	19608	132



Headquarters Parc de Belloch  
 Ctra. C-251, Km 5,6  
 E-08430 La Roca (Barcelona, Spain)  
 +34 938 619 100

Warehouse  
 Carrer del Fou. Polígono Industrial Sud  
 E-08440 Cardedeu (Barcelona, Spain)  
 +34 938 619 182

