

# Como - LED

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## GENERAL CHARACTERISTICS

**Housing and arms:** pressed in die-cast aluminium and designed with a very small surface exposed to wind.

**Optics:** made of PMMA with high temperature resistance and UV rays.

**Pole connection:** pressed in die-cast aluminium. Suited for poles with a diameter 60-76mm.

**Diffuser:** extra-clear tempered glass, 5 mm thick, resistant to thermal shocks and impacts (UNI-EN 12150-1: 2001).

**Coating:** the standard liquid immersion coating consists of a first metal surface pre-treatment stage, a successive epoxy cataphoresis corrosion and salt resistant coating, and a final layer of bi-component acrylic liquid UV-stabilised coating.

**Upon request:** coating compliant with UNI EN ISO 9227 Corrosion tests in artificial atmospheres for aggressive environments.

**Equipment:** nylon wiring plate 30% fibre glass complete with connector for mains connection and for LED module. Automatic temperature control inside the device with automatic resetting. With dedicated electronic device to protect the LED module. Equipped with an air-circulation valve.

## OTHER CHARACTERISTICS



Electronic safety device to protect the LED module and the related ballast compliant with EN

61547.

It works in two modes:

- differential mode: surge between power cables and between the phase and neutral.

- common mode: surge between power, L/N and ground cables or between the fixture's body if it is of class II and installed on a metal pole.



Product with a very low flicker; uniform light for greater eye protection.

Available in colour **RAL 6004**



## THE RANGE OF COMO STREET LAMPS IS AVAILABLE IN THE FOLLOWING COLOUR TEMPERATURES:

2200K

**2200K (subcode -73):** lamps with warm amber light at a colour temperature of 2200K eliminate the risks of an excessive exposure to harmful blue LED light and allows a "softer" impact on inhabited zones, especially in historic centres.

3000K  
4000K

**3000K - 4000K as standard:** lamps with 3000K-4000K white light, instead, is the best choice for lighting up urban areas, streets, residential centres and generally all areas where this type of light guarantees greater safety and visual comfort.



## BASIC PROG (BASIC CLD) AVAILABLE FUNCTIONS

<b>Luminous flux</b> setup	This can be done by programming the drive current values requested when ordering/purchasing the fixture
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## LIGHTING POINT MANAGEMENT OPTIONS ON REQUEST

possibility to choose different lighting point management systems according to the system's needs:

<b>1-10V dimming</b> ordered with <b>sub-code -12</b>	Adjustment range from 10%-100% with 1-10V
 <b>Virtual Midnight</b> order with <b>subcode -30</b>	Stand-alone system with automatic luminous flux reduction in <b>4 steps</b> . To increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous switching on and off times, will determine a hypothetical "virtual midnight". This is the average value between the time the fixture is switched on (sunset) and switched off (sunrise). The "virtual midnight" is the reference point for dimming lights according to the desired profile. The device is integrated in the LED driver and therefore does not require any modification to the system. <i>In order for the system to function correctly, the system must be adjusted by a device that turns the system on and off on a regular basis every day.</i>
<b>Factory settings</b>	
<b>Time</b>	<b>Flux</b>
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%
<b>PLC remote control</b> ordered with <b>sub-code -0078</b>	Point-to-point and system management and diagnosis system
For more information see page XVI-XX	

**ATTENTION:** original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.

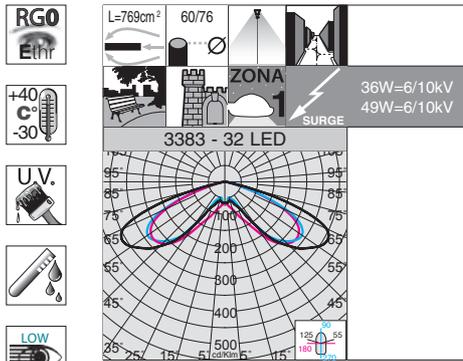


Exemple with Zhaga Socket (subcode -0054)

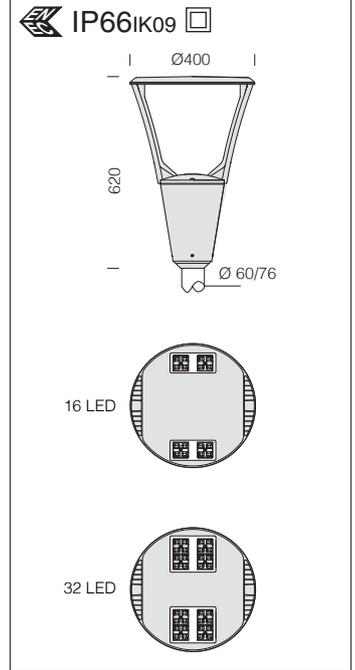
**LUMINAIRE DESIGNED FOR INSTALLATION ON NEMA OR ZHAGA SOCKET:** to monitor and manage public lighting centrally, lighting fixtures will always be more equipped with wireless controls that will allow their integration with the IoT. Today the market offers two solutions: **NEMA and ZHAGA**. Both solutions offer an electrical and mechanical connection between the control antenna and the lighting fixture.

<b>Nema Socket</b> order with <b>subcode -40</b> (sealing cap to be ordered separately)	Mounted directly on the fixture's body, ideal for remote lighting management applications.
<b>Zhaga Socket</b> order with <b>subcode -0054</b> (complete with sealing cap)	

# Como - LED



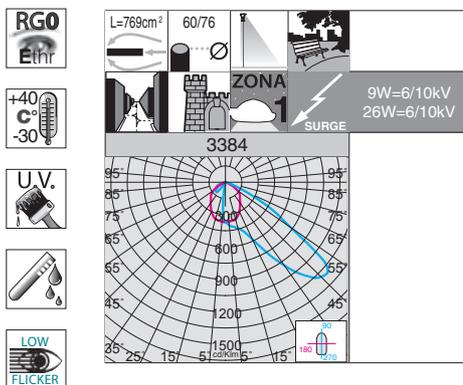
2200K - AMBER (sub-code -73)	
W tot	LUMEN OUTPUT (tq= 25 °C)
36	2200K - 4605lm
49	2200K - 7073lm



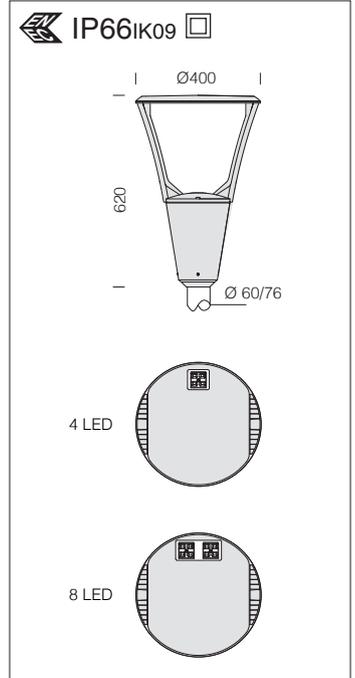
**LED:** Power factor:  $\geq 0,9$ .  
Luminous flux maintenance 80%:  
80.000h (L80B20).

3383 Como 1 - wide beam					
			CLD BASIC	LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	anthracite	5.90	340552-00	36	4000K - 4112lm - CRI 70
			340552-39		3000K - 3824lm - CRI 70
LED	anthracite	5.90	340553-00	49	4000K - 6315lm - CRI 70
			340553-39		3000K - 5872lm - CRI 70

**Upon request:** possibility to choose different lighting point management systems (see table on p. 315).



2200K - AMBER (sub-code -73)	
W tot	LUMEN OUTPUT (tq= 25 °C)
9	2200K - 1158lm
26	2200K - 3436lm

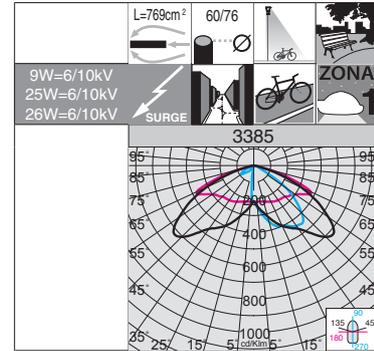
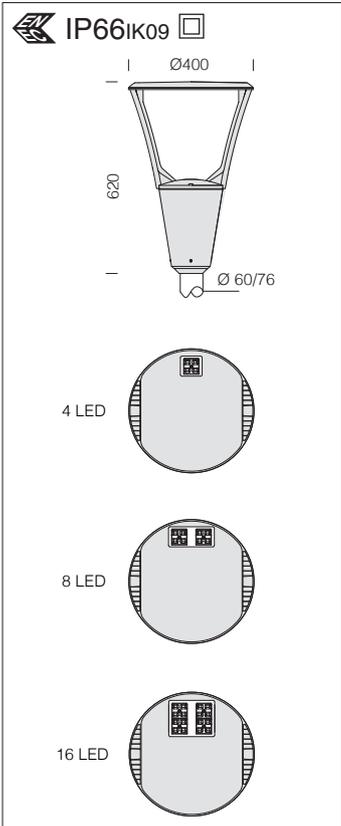


**LED:** Power factor:  $\geq 0,9$ .  
Luminous flux maintenance 80%:  
80.000h (L80B20).

3384 Como 2 - asymmetric					
			CLD BASIC	LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	anthracite	5.60	340560-00	9	4000K - 1034lm - CRI 70
			340560-39		3000K - 961lm - CRI 70
LED	anthracite	5.70	340561-00	26	4000K - 3068lm - CRI 70
			340561-39		3000K - 2853lm - CRI 70

**Upon request:** possibility to choose different lighting point management systems (see table on p. 315).

# Como - LED

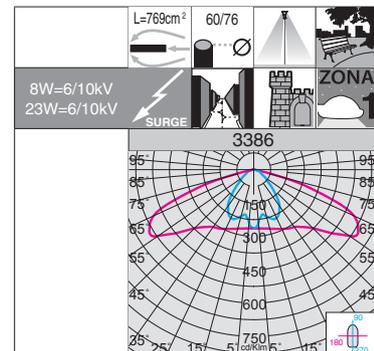
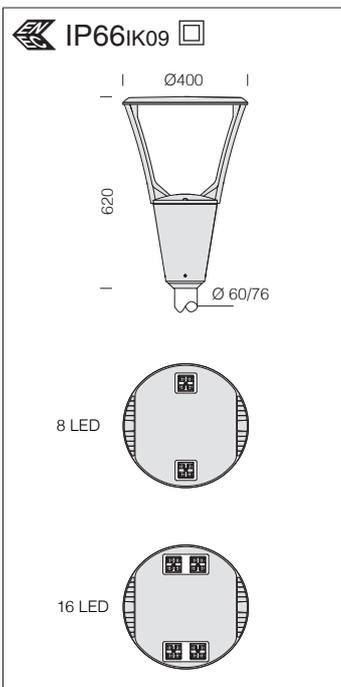


2200K - AMBER (sub-code -73)	
W tot	LUMEN OUTPUT (tq= 25 °C)
9	2200K - 1167lm
25	2200K - 3409lm
26	2200K - 3515lm

3385 Como 3 - cycleways					
CLD BASIC				LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	anthracite	5.60	340570-00	9	4000K - 1042lm - CRI 70
			340570-39		3000K - 969lm - CRI 70
LED	anthracite	5.70	340571-00	25	4000K - 3044lm - CRI 70
			340571-39		3000K - 2830lm - CRI 70
LED	anthracite	5.70	340572-00	26	4000K - 3138lm - CRI 70
			340572-39		3000K - 2918lm - CRI 70

**Upon request:** possibility to choose different lighting point management systems (see table on p. 315).

**LED:** Power factor:  $\geq 0,9$ .  
Luminous flux maintenance 80%:  
80.000h (L80B20).



2200K - AMBER (sub-code -73)	
W tot	LUMEN OUTPUT (tq= 25 °C)
8	2200K - 1669lm
23	2200K - 4787lm

3386 Como 4 - bi-asymmetric					
CLD BASIC				LUMEN OUTPUT (tq= 25 °C)	
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	anthracite	5.70	340580-00	8	4000K - 1490lm - CRI 70
			340580-39		3000K - 1386lm - CRI 70
LED	anthracite	5.90	340581-00	23	4000K - 4274lm - CRI 70
			340581-39		3000K - 3975lm - CRI 70

**Upon request:** possibility to choose different lighting point management systems (see table on p. 315).

**LED:** Power factor:  $\geq 0,9$ .  
Luminous flux maintenance 80%:  
80.000h (L80B20).

