
farmacia
SÁBADO 09 DE NOVIEMBRE

GENERAL CHARACTERISTICS

Housing: pressed in die-cast aluminium.

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

Diffuser: polycarbonate 2,5 mm thick, thermal shock and impact resistant (UNI EN 12150 tests 1/2001).

Optical system: the modularity of the optical system, the solutions used for the electronic circuit design and the optimal control of operating temperatures, make the new Ischia line a highly professional, flexible and reliable product, capable of guaranteeing huge application advantages in several situations.

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.

UNI EN ISO 9227

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

OTHER CHARACTERISTICS

Standard supply: automatic temperature control inside the device with automatic resetting; dedicated electronic device to protect the LED module; Complete with quick connection and anti-condensation valve for air recirculation.

SURGE

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.

LOW FLICKER

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

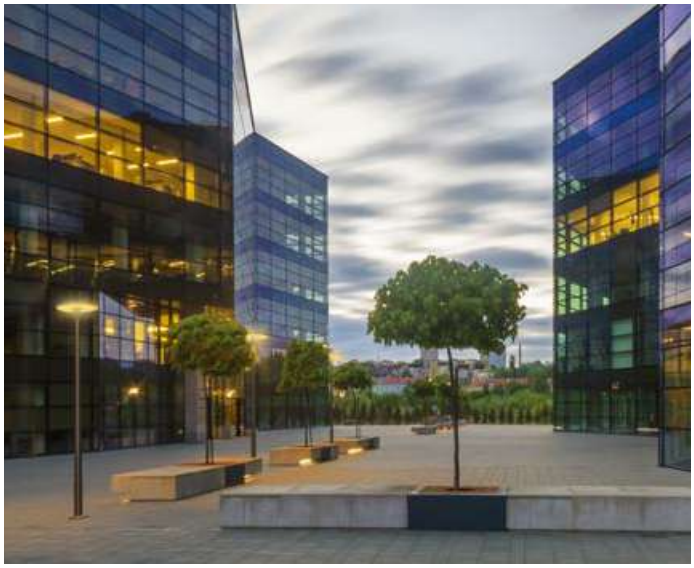
THE RANGE OF ISCHIA STREET LAMPS IS AVAILABLE IN THE FOLLOWING COLOUR TEMPERATURES:

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. **Upon request** LED 4000K - CRI 80 versions with **sub-code -60.**



BASIC PROG

BASIC PROG (BASIC CLD) AVAILABLE FUNCTIONS

Luminous flux setup	This can be done by programming the drive current values requested when ordering/purchasing the fixture

LIGHTING POINT MANAGEMENT OPTIONS ON REQUEST

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

1-10V dimming ordered with **sub-code -12**	Adjustment range from 10%-100% with 1-10V
Virtual Midnight order with **subcode -30**	Stand-alone system with automatic luminous flux reduction in **4 steps**. 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. *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.* ***ATTENTION:*** *original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.*

Factory settings	
Time	**Flux**
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

PLC remote control ordered with **sub-code -0078**	Point-to-point and system management and diagnosis system

For more information see page XVI-XX

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.

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

RG0 Ethr

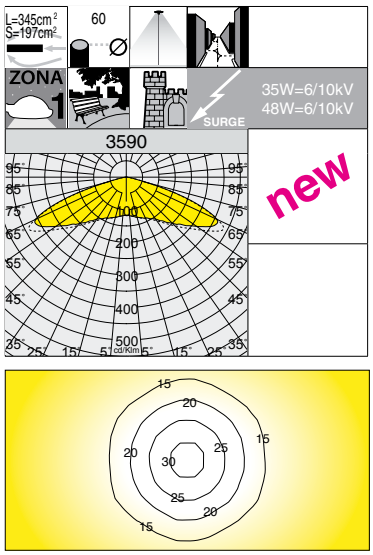
+40 °C -30

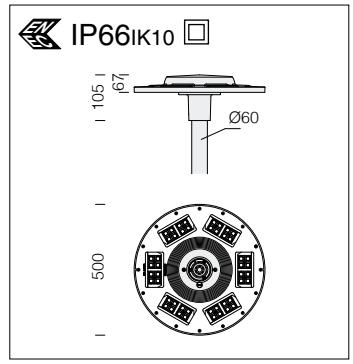
U.V.

LOW FLICKER

3000K

4000K

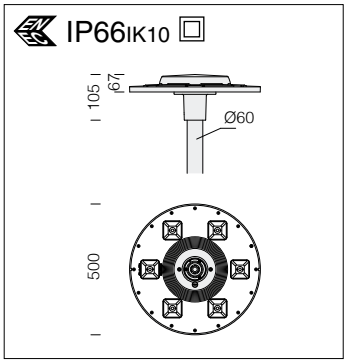




Optics: made of PMMA with high temperature resistance and UV rays.

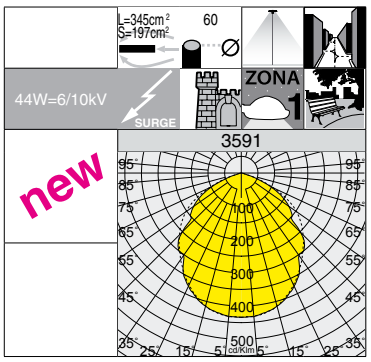
LED: Power factor ≥0.9.
Luminous flux maintenance 80%: 80.000h (L80B20).

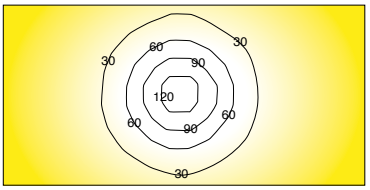
3590 Ischia - wide beam					
		CLD BASIC			LUMEN OUTPUT (tq= 25 °C)
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	graphite	4.50	424660-00	**35**	4000K - **4624lm** - CRI 70
			424660-39		3000K - **4300lm** - CRI 70
LED	graphite	4.50	424661-00	**48**	4000K - **5874lm** - CRI 70
			424661-39		3000K - **5463lm** - CRI 70
Upon request: possibility to choose different lighting point management systems (see table on p. 305).					



Reflector: in pre-anodised 99.85 aluminium.

LED: Power factor: ≥0,9.
Luminous flux maintenance 80%: 50.000h (L80B20).



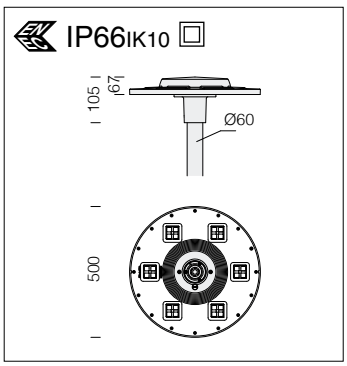


Note: when ordering, make sure you select the **AMBER LED** type best suited for your lighting design and installation needs.

3591 Ischia - COB wide beam

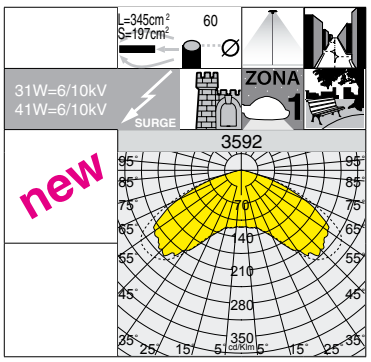
		CLD BASIC			LUMEN OUTPUT (tq= 25 °C)
wattage	colour	weight	code	W tot	K - ølm - CRI
LED COB	graphite	4.50	424670-00	44	4000K - **5877lm** - CRI 80
			424670-39		3000K - **5469lm** - CRI 80
LED COB AMBER			424670-73		2200K - **5172lm** - **AMBER**

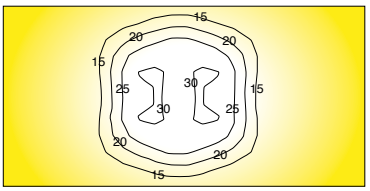
Upon request: possibility to choose different lighting point management systems (see table on p. 305).



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

LED: Power factor ≥0.9.
Luminous flux maintenance 80%: 100.000h (L80B10).





Upon request (sub-code -60)	
LED	4000K - CRI 80

3592 Ischia

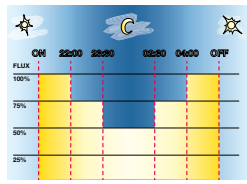
		CLD BASIC			LUMEN OUTPUT (tq= 25 °C)
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	graphite	4.50	424680-00	31	4000K - **4395lm** - CRI 70
			424680-39		3000K - **4087lm** - CRI 70
LED	graphite	4.50	424681-00	41	4000K - **5676lm** - CRI 70
			424681-39		3000K - **5279lm** - CRI 70

Upon request: possibility to choose different lighting point management systems (see table on p. 305).

Ischia - LED with VIRTUAL MIDNIGHT

VIRTUAL MIDNIGHT: 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. *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.*

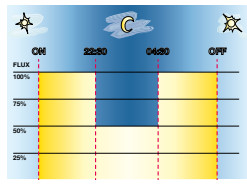
Virtual Midnight subcode -30: fixtures are equipped with a device to reduce flux in **4 steps** based on the calculation of the virtual midnight.



Factory settings	
Time	**Flux**
on ÷ 22:00	100%
22:00 ÷ 23:30	75%
23:30 ÷ 02:30	50%
02:30 ÷ 04:00	75%
04:00 ÷ off	100%

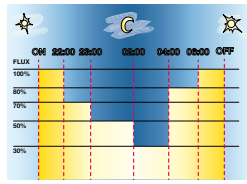
ATTENTION: *original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request.*

Example of virtual midnight in 2 steps



Settings upon request	
Time	**Flux**
on ÷ 22:30	100%
22:30 ÷ 04:30	50%
04:30 ÷ off	100%

Example of virtual midnight in 5 steps



Settings upon request	
Time	**Flux**
on ÷ 22:00	100%
22:00 ÷ 23:30	70%
23:30 ÷ 02:00	50%
02:00 ÷ 04:00	30%
04:00 ÷ 06:00	80%
06:00 ÷ off	100%

RG0 Ethr

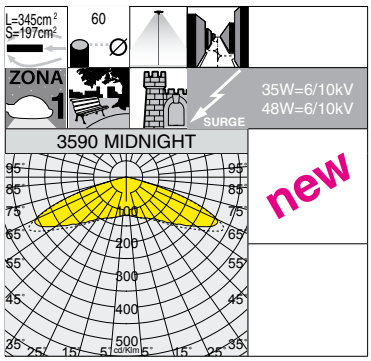
+40 °C -30

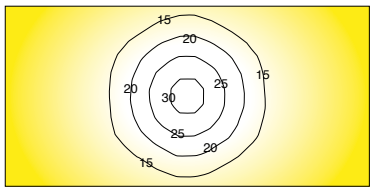
U.V.

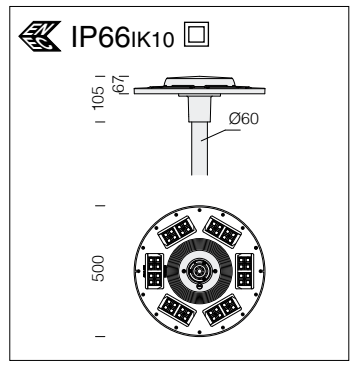
LOW FLICKER

3000K

4000K







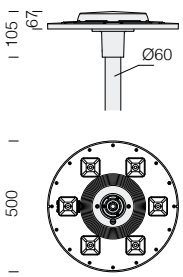
Optics: made of PMMA with high temperature resistance and UV rays.

LED: Power factor ≥0.9.
Luminous flux maintenance 80%: 80.000h (L80B20).

3590 Ischia MIDNIGHT - wide beam					
		CLD BASIC			LUMEN OUTPUT (tq= 25 °C)
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	graphite	4.50	424660-30	35	4000K - **4624lm** - CRI 70
			424660-3028		3000K - **4300lm** - CRI 70
LED	graphite	4.50	424661-30	48	4000K - **5874lm** - CRI 70
			424661-3028		3000K - **5463lm** - CRI 70
Upon request: possibility to choose different lighting point management systems (see table on p. 305).					

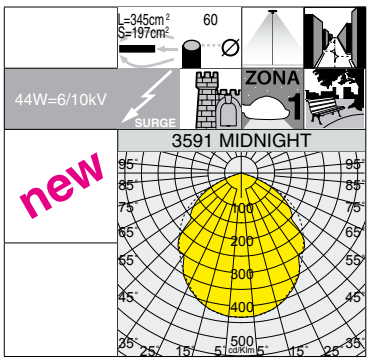
Ischia - LED with VIRTUAL MIDNIGHT

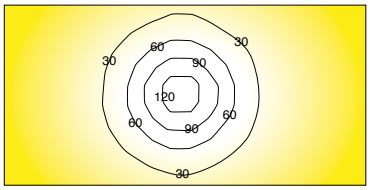
IP66 IK10



Reflector: in pre-anodised 99.85 aluminium.

LED: Power factor: ≥0,9.
Luminous flux maintenance 80%: 50.000h (L80B20).





RG0 Ethr · +40 °C -30 · U.V. · LOW FLICKER · 2200K · 3000K · 4000K

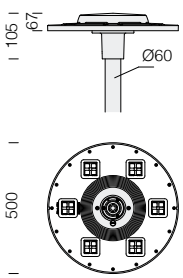
Note: when ordering, make sure you select the **AMBER LED** type best suited for your lighting design and installation needs.

3591 Ischia MIDNIGHT - COB wide beam

		CLD BASIC			LUMEN OUTPUT (tq= 25 °C)
wattage	colour	weight	code	W tot	K - ølm - CRI
LED COB	graphite	4.50	424670-30	44	4000K - **5877lm** - CRI 80
			424670-3028		3000K - **5469lm** - CRI 80
LED COB AMBER			424670-7330		2200K - **5172lm** - **AMBER**

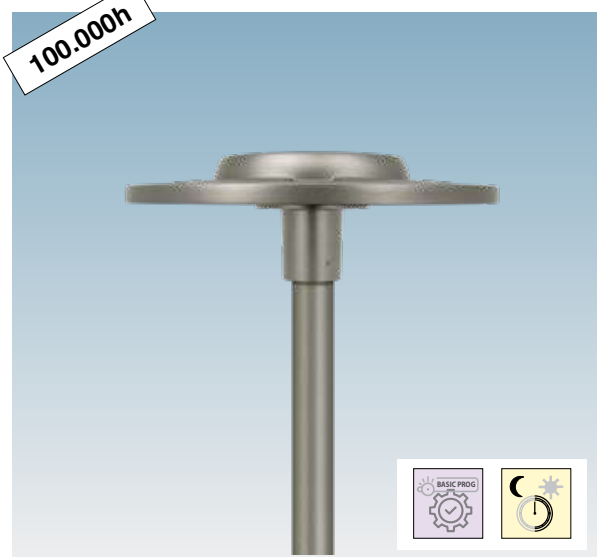
Upon request: possibility to choose different lighting point management systems (see table on p. 305).

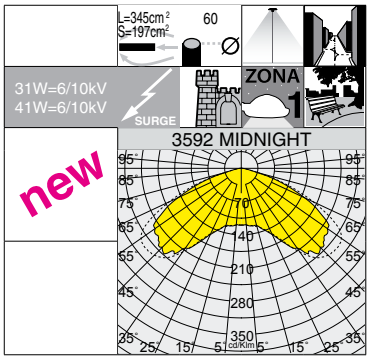
IP66 IK10

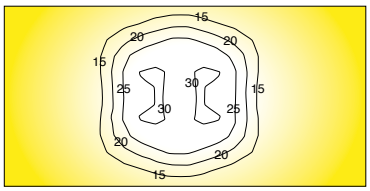


Optics: made of PMMA with high temperature resistance and UV rays.

LED: Power factor ≥0.9.
Luminous flux maintenance 80%: 100.000h (L80B10).







RG0 Ethr · +40 °C -30 · U.V. · LOW FLICKER · 3000K · 4000K

Upon request (sub-code -60)	
LED	4000K - CRI 80

3592 Ischia MIDNIGHT

		CLD BASIC			LUMEN OUTPUT (tq= 25 °C)
wattage	colour	weight	code	W tot	K - ølm - CRI
LED	graphite	4.50	424680-30	31	4000K - **4395lm** - CRI 70
			424680-3028		3000K - **4087lm** - CRI 70
LED	graphite	4.50	424681-30	41	4000K - **5676lm** - CRI 70
			424681-3028		3000K - **5279lm** - CRI 70

Upon request: possibility to choose different lighting point management systems (see table on p. 305).