

## GENERAL CHARACTERISTICS

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

**Optics:** in aluminium coated with very high purity (99.99%) silver using physical vapour deposition (PVD).

**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 for marine environments in compliance with UNI EN ISO 9227.

**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

## OTHER CHARACTERISTICS

module. Equipped with an air-circulation valve.



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.



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

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.

## Example with Nema Socket (subcode -40)



## 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)

**Zhaga Socket** order with **subcode -0054** (complete with sealing cap)

Mounted directly on the fixture's body, ideal for remote lighting management applications.



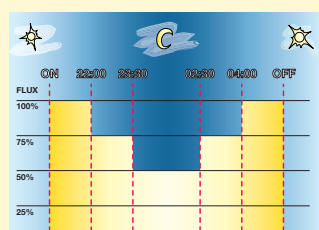
**INTEGRATED ADVANCED PROG (PROG CLD) FUNCTIONS:** the products of this family are supplied with programmable drivers as standard.

All these functions are already present on standard products and need only to be enabled on request. These functions do not require to make any modification to the system, as the product only needs to be connected to the mains without the use of a control BUS or a pilot cable.

<b>Luminous flux setup</b>	This can be done by programming the drive current values requested when ordering/purchasing the fixture
<b>Virtual Midnight</b> order with <b>subcode -30</b>	Stand-alone system with automatic luminous flux reduction in <b>4 steps</b> (up to <b>max 8 steps</b> available <b>upon request</b> )
<b>Broadcast Prog</b>	This allows the reconfiguration of the Virtual Midnight profile, including the enabling/disabling of all the fixtures installed on the same power line (broadcast function) via a sequence of electrical impulses.
Mains voltage regulation	This allows varying the luminous flux by adjusting the mains voltage between 170 and 250 V AC
<b>CLO</b> (Costant Light Output)	The lighting fixture maintains a constant light output throughout its entire service life
<b>DC</b> power in <b>EM</b>	In centralized emergency systems, the LED Driver automatically detects when the power changes from AC to DC and adjusts the lights to a pre-set value (DC level)
<b>Monitoring (default)</b>	The driver is equipped with a micro-processor that records the operating conditions from the moment it is turned on
Setup via <b>APP</b>	The NFC technology allows users to set the different operating modes via an APP
For more information see page XX-XXI	



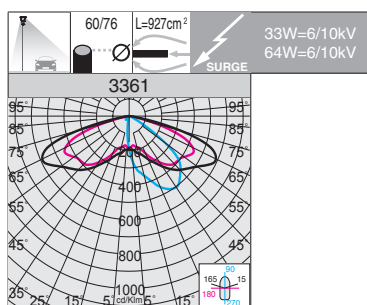
**VIRTUAL MIDNIGHT:** to increase energy savings at night when there are fewer people and vehicles around, a lighting fixture can be programmed according to a specific profile (customizable on request). The fixture reduces its luminous flux through a self-learning process which, depending on the previous 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 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.*



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%

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

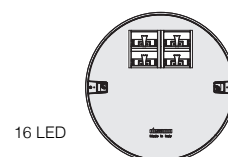
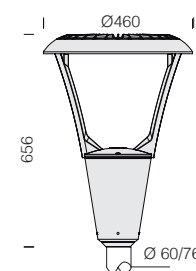
**ATTENTION:** original settings and time slots for the "virtual midnight" value can be customized in up to 8 steps upon request



>100.000h



IP66IK09

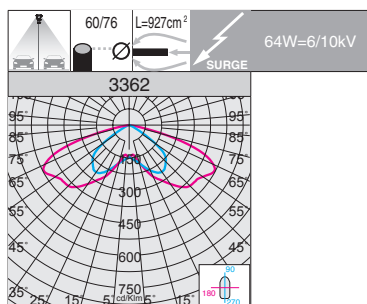


3361 Iseo 2 - residential amenities					
		CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm 530mA - CRI
LED	anthracite	7.10	330570-00	33	4000K - 3366lm - CRI 70
			330570-39		3000K - 3130lm - CRI 70
LED	anthracite	7.10	330571-00	64	4000K - 6732lm - CRI 70
			330571-39		3000K - 6261lm - CRI 70

Integrated **ADVANCED PROG** functions (see table on p. 325).

Example	Power supply	n.LED	W tot	K	ølm
upon request	700mA	8	42	4000K	4455lm
		16	84		8891lm
upon request	700mA	8	42	3000K	4143lm
		16	84		8269lm

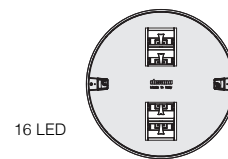
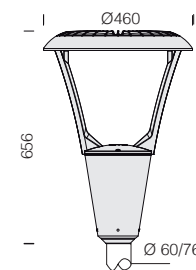
**LED:** power factor  $\geq 0.92$ .  
Luminous flux maintenance 80%:  
>100.000h (L80B10).



>100.000h



IP66IK09

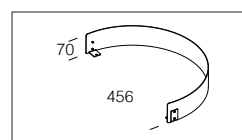


3362 Iseo 3 - residential amenities					
		CLD PROG		LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm 530mA - CRI
LED	anthracite	7.10	330580-00	64	4000K - 6741lm - CRI 70
			330580-39		3000K - 6269lm - CRI 70

Integrated **ADVANCED PROG** functions (see table on p. 325).

Example	Power supply	n.LED	W tot	K	ølm
upon request	700mA	16	84	4000K	8903lm
		16	84		8280lm

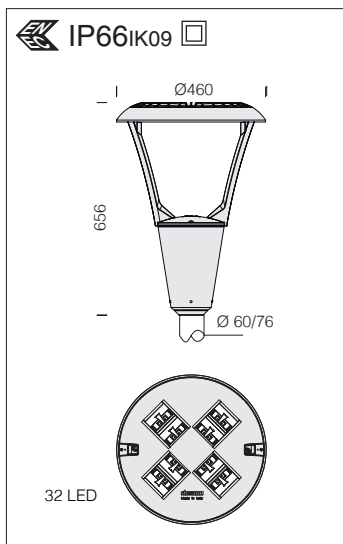
**LED:** power factor  $\geq 0.92$ .  
Luminous flux maintenance 80%:  
>100.000h (L80B10).



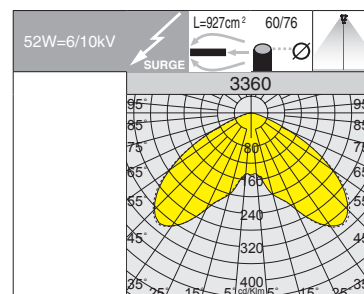
**acc. 109 anti-glare shield**

anthracite	991309-00
------------	-----------

To prevent glare effects. To be fitted when Garda is installed near a window.



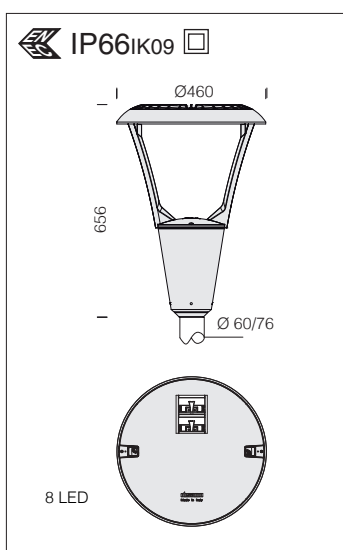
**LED:** power factor  $\geq 0.92$ .  
Luminous flux maintenance 80%:  
>100.000h (L80B10).



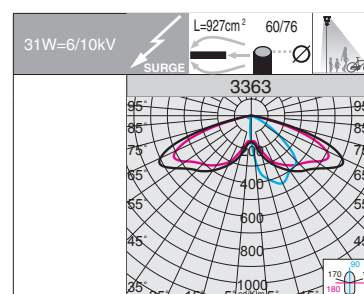
3360 Iseo 1 - rotosymmetric					
CLD PROG				LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm 530mA - CRI
LED	anthracite	7.30	330560-00	52	4000K - 5667lm - CRI 70
			330560-39		3000K - 5270lm - CRI 70

Integrated **ADVANCED PROG** functions (see table on p. 325).

Example	Power supply	n.LED	W tot	K	ølm
upon request	700mA	32	68	4000K	7485lm
upon request	700mA	32	68	3000K	6961lm



**LED:** power factor  $\geq 0.92$ .  
Luminous flux maintenance 80%:  
>100.000h (L80B10).



3363 Iseo 4 - cycle-pedestrian					
CLD PROG				LUMEN OUTPUT (tq= 25 °C)	
LED	colour	weight	code	W tot	K - ølm 530mA - CRI
LED	anthracite	7.00	330590-00	31	4000K - 3319lm - CRI 70
			330590-39		3000K - 3087lm - CRI 70

Integrated **ADVANCED PROG** functions (see table on p. 325).

Example	Power supply	n.LED	W tot	K	ølm
upon request	700mA	8	42	4000K	4384lm
upon request	700mA	8	42	3000K	4077lm