

GranLuce LED inverter

emergency



Accessory
IP65 enclosure

IP20

IP65

850°

Inverter

+60°C
-20°C

Battery

+40°C
0°C



High-performance LED inverter with output current control and constant peak current PWM modulation, to drive the LED module in an optimal way, avoiding distortion effects on the luminous flux and color temperature (K) of the LEDs.



Inverter for AT or CT appliances, both wired and radio controlled. Optional Booster Battery to double the autonomy.



Quick wiring and optional IP65 enclosure for installation outside the luminaire.

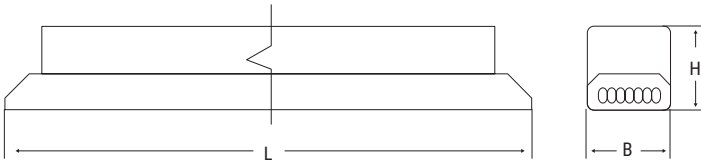
Applications

Services, industry, in high performance IP65 luminaires or with a IP65 enclosure installed even outdoors.

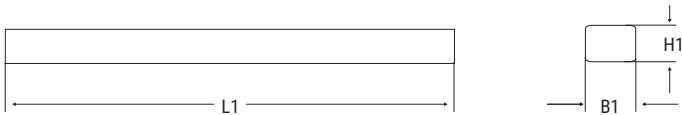
Characteristics

- Power supply** 230VAC $\pm 10\%$, 50÷60Hz
- Output voltage** 5V - 55V
- P in max driver** 1500VA
- V in max driver** 250VAC
- Recharging time*** 12hrs
- Max. output current** 500mA
- Status LED** Two colours
- Housing** Polycarbonate
- Compliance** EN 61347-2-7, EN 61347-2-13, EN 61347-1, EN 62034

* The time refers to the battery included with the luminaire. The charging time doubles when the Autoripara battery is used.



INVERTER



BATTERY

Version	Dimensions mm					
	L	B	H	L1	B1	H1
9W	232	30	26	72	60	20
15W	232	30	26	132	37	19



1h autonomy 1304lm flux

EXAMPLE OF FLUX CALCULATION FOR BS 100 LED (SMART DRIVER) WITH LED INVERTER WITH 1H OF AUTONOMY (Order 19390)

The GranLuce LED Inverter can to guarantee the maximum lighting performance that the luminaire on which it is installed can achieve. Please find below the calculation method and an example for determining the Rated Flux in emergency mode

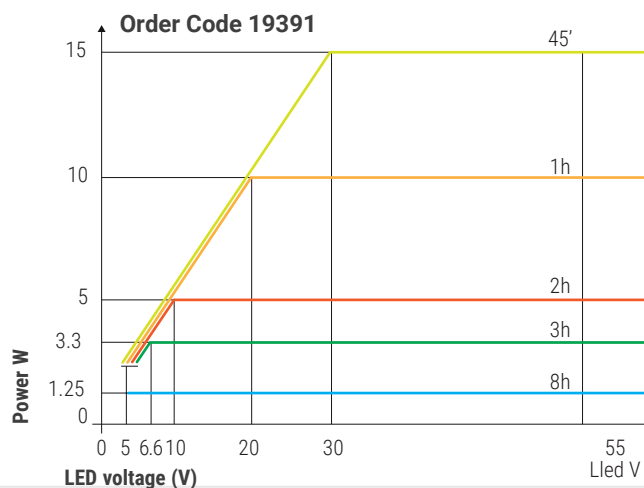
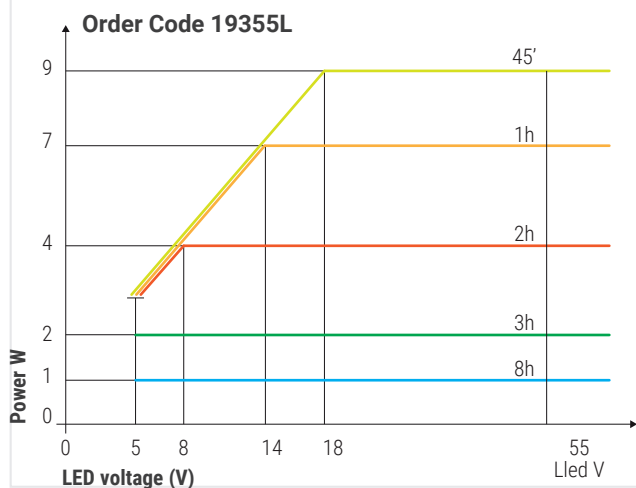
P= Inverter rated power
(in the version 1h = 10W)
Fn= Rated luminaire flux (for BS100 LED = 8350lm)
Pn= Rated power
(for BS100 LED = 64W)

$$\text{Flux} = P \text{ inverter} \times \frac{F_n}{P_n} \text{ where:}$$

$$\text{Flux} = 10 \times \frac{8350}{64} = 1304\text{lm}$$

The calculation does not take into account the improved efficiency of the luminaire when driven with very low power compared to the nominal values, in which case the fluxes are underestimated.

POWER TREND ACCORDING TO LED VOLTAGE



The output power is subordinated to the maximum output current of 500mA (e.g. with the inverter set to 1h of autonomy, it will guarantee a 10W output when only used to power an LED set with Vled>20Volt; below this voltage, the power is reduced as shown in the graph).

	Order code	P out Max W	Description	Version	Autonomy h	P out W	BOOSTER BATTERY doubles the autonomy	Input power	
								DC	AC
CT	LG								
	19355L	9	INVERTER LED AT/LG AR 9W 55V	SE/SA	0.75/1/2/3/8	9/7/4/2/1	1.5/2/4/6/16		2W
	19391*	15	INVERTER GL AT/LG AR 15W 55V	SE/SA	0.75/1/2/3/8	15/10/5/3.3/1.25	1.5/2/4/6/16		3.7W
CT luminaires can integrate optional modules for expansion to other systems: LG module code 15036 - LGFM module code 15037 - DALI module code 15038									

* 5 years warranty

ACCESSORIES - to be ordered separately

BOOSTER BATTERY
Compatible with Order Code **19355L**
Order Code **RA06** - LiFe 9,6V 1,5Ah

INVERTER COVER IP65
Dimensions 301x139x55mm
Order Code **19376**

BOOSTER BATTERY
Compatible with Order Code **19391**
Order Code **RA08** - LiFe 12,8V 1,5Ah

LGFM module
Order Code **19375 (LGFM)**