

# GranLuce LED inverter

emergency



Accessory IP65 enclosure

IP20 IP65 850°

Batt. LTO +45°C -20°C

Batt. LiFe +50°C -0°C

Inverter +60°C -20°C



LED inverter with a luminous flux of up to 2000lm, for high-performance luminaires. Extreme working conditions thanks to special lithium batteries.



Wide range for Autotest and radio centralised control luminaires. Autoripara 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

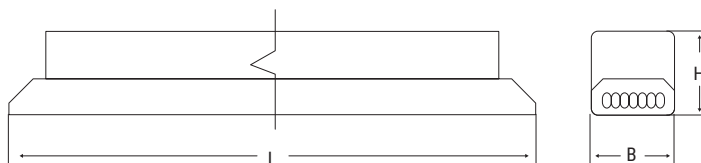
**Max. output current** 500mA

**Status LED** Two colours

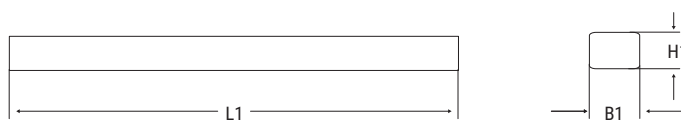
**Housing** Polycarbonate

**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
LTO	232	30	26	198	37	19
LiFe	232	30	26	132	37	19



### 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

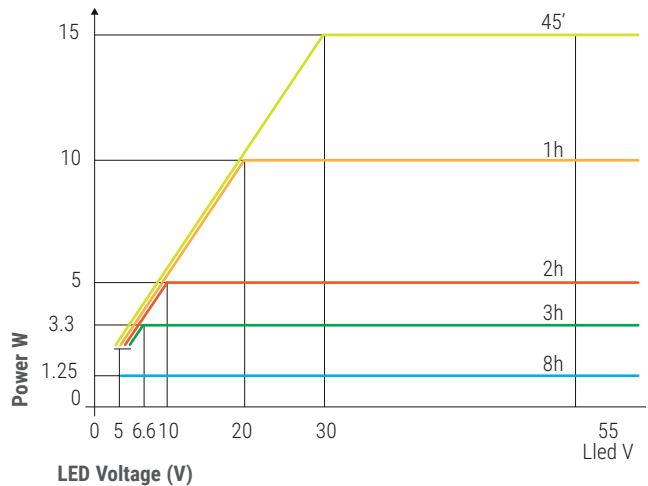
P= Inverter rated power (in the version 1h = 10W)  
 Fn= Rated luminaire flux (for BS100 LED = 8350lm)  
 Pn= Rated power (for BS100 LED = 64W)

$$\text{Flux} = P \text{ inverter} \times \frac{F_n}{P_n} \text{ where: } \text{Flux} = 10 \times \frac{8350}{64} = 1304\text{lm}$$

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>20V; below this voltage, the power is reduced as shown in the graph.



	Order Code	P out Max W	Description	Version	Autonomy h	Battery	P out W	Batt. AUTORIPARA OPTIONAL Autonomy h	FLUX SA lm	Input power		Weight Kg	Packaging Single/ Multi pack
										DC	AC		
LG	19390	15W	INVERTER GL AT/LG AR 15W 55V LTO	SA/SE	0.75/1/2/3/8	LTO 14.4V 1.2Ah	15/10/5/3.3/1.25	1.5/2/4/6/16			3.7	0.3	1/12
	19391*	15W	INVERTER GL AT/LG AR 15W 55V LIFE	SA/SE	0.75/1/2/3/8	LiFe 12.8V 1.5Ah	15/10/5/3.3/1.25	1.5/2/4/6/16			3.7	0.3	1/12
	LGFM	Standalone luminaires with Centralised Radio Diagnostics integrating the Module Order Code 19375											


\* 5-year warranty

### ACCESSORIES - to be ordered separately




**AR - AUTORIPARA BATTERY**  
 Compatible with Order Code **19390**

Order Code **RA07** - LTO 14.4V 1.2Ah



**INVERTER COVER IP65**  
 Dimensions 301x139x55mm

Order Code **19376**



**AR - AUTORIPARA BATTERY**  
 Compatible with Order Code **19391**

Order Code **RA08** - LiFe 12.8V 1.5Ah



**LGFM module**

Order Code **19375 (LGFM)**

LGFM