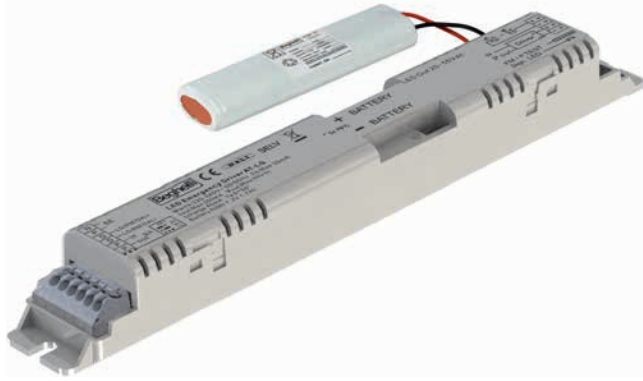


# Inverter LED



## GENERAL CHARACTERISTICS

<b>Max. output power</b>	6 W
<b>Power supply</b>	230 V <sub>AC</sub> 50 Hz
<b>Operation</b>	SA (Maintained), RM (rest mode with code 2730)
<b>Standard</b>	EN 61347-2-7, EN 61347-2-13, EN 61347-1, EN 62034
<b>Protection grade</b>	IP20 (according to the fixture in which it is mounted), IP65
<b>Autonomy</b>	1 h, 3 h
<b>Output voltage</b>	6V – 55V
<b>Peak output current</b>	500 mA
<b>Recharging Time</b>	24 h
<b>Working temp.</b>	0 ÷ +50 °C (Battery) -20 ÷ +50 °C (Inverter)
<b>Enclosure temperature limit</b>	70 °C
<b>Recharging current</b>	85 mA
<b>Battery</b>	NiMh 7.2 V 1.7 Ah (high temperature)
<b>Rest Mode</b>	with optional control device (Cod. 12101)
<b>Status LED</b>	Bi-color
<b>Auto teststart</b>	Compatible with test button in the AT configuration
<b>Housing</b>	Polycarbonate

Electronic control gear for emergency lighting to light the LED modules. Autonomy independent of the lamp and selectable, 1 hour, 2 hours and 3 hours.

The control of the output current with PWM modulation at a constant peak current allows the best control of the LED module, avoiding effects of distortion of the light flux and of the LED colour temperature. Maximum versatility for a LED conversion kit. Self-adapting output voltage with automatic load recognition. Output power independent of the connected LED module.

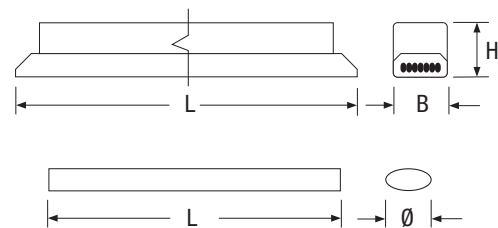
The recharging system guarantees 1 h of autonomy after 12 h of recharging in the 2 h and 3 h configurations.

The disconnection by relay of the power supply arriving from the driver and of the LED circuit make the Beghelli LED conversion kit a universal product, compatible with all drivers.

If not reached by the BUS, the LG version automatically performs self-diagnosis (AutoTest).

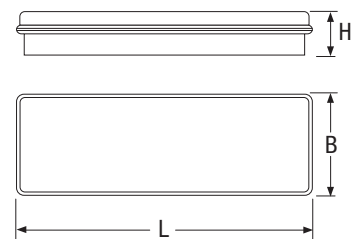


model IP40



IP	Inverter dimensions (mm)			Battery dimensions (mm)			Weight max. kg
	L	B	H	L	Ø	H	
40	232	30	26	132	17.5	35	0.3

model IP65



IP	Inverter dimensions (mm)			Battery dimensions (mm)			Weight max. kg
	L	B	H	L	Ø	H	
65	301	139	55				0.8

**EXAMPLE OF CALCULATION OF THE EMERGENCY LUMINOUS FLUX FOR 100 LED (SMART DRIVER) WITH LED INVERTER WITH 1 HOUR OF AUTONOMY (CODE 19355)**

The LED inverter enables optimum lighting performance to be obtained from the device on which it is installed. Below is the method of calculation used to calculate the nominal flux that can be obtained in an emergency (example provided)

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

P = Inverter nominal power (in the 1 h model = 6 W)  
 F<sub>n</sub> = Device nominal flux (for BS100 LED = 7 500 lm)  
 P<sub>n</sub> = LED nominal power (for BS100 LED = 59 W)

$$\text{Flux} = 6 \times \frac{7\,500}{59 \times 0,9} = 847 \text{ lm}$$



**AT-LG** Logica

Power* W	Order code	Description	Control	Model	Autonomy	Battery	Absorption W	Pack
2÷6	<b>19355</b>	INVERTER FULL LED AT/LG 6W 55V 123h	AT/LG	SA	1-2-3H	NiMh 7.2 V 1.7 Ah	2	1

**AT-LG** Logica **IP65**

Power* W	Order code	Description	Control	Model	Autonomy	Battery	Absorption W	Pack
2÷6	<b>19364</b>	INVERTER FULL LED AT/LG 6W 55V 123h IP65	AT/LG	SA	1-2-3H	NiMh 7.2 V 1.7 Ah	2	1

**AT-LGFM** Logica FM

Power* W	Order code	Description	Control	Model	Autonomy	Battery	Absorption W	Pack
2÷6	<b>19356</b>	INVERTER FULL LED LGFM 6W 55V 123h	LGFM	SA	1-2-3H	NiMh 7.2 V 1.7 Ah	2	1

**AT-LGFM** Logica FM **IP65**

Power* W	Order code	Description	Control	Model	Autonomy	Battery	Absorption W	Pack
2÷6	<b>19365</b>	INVERTER FULL LED LGFM 6W 55V 123h IP65	LGFM	SA	1-2-3H	NiMh 7.2 V 1.7 Ah	2	1

\* Indicative power for comparison with fluorescent tube fixtures \*\* Minimum flux guaranteed according to EN 60598-2-22

