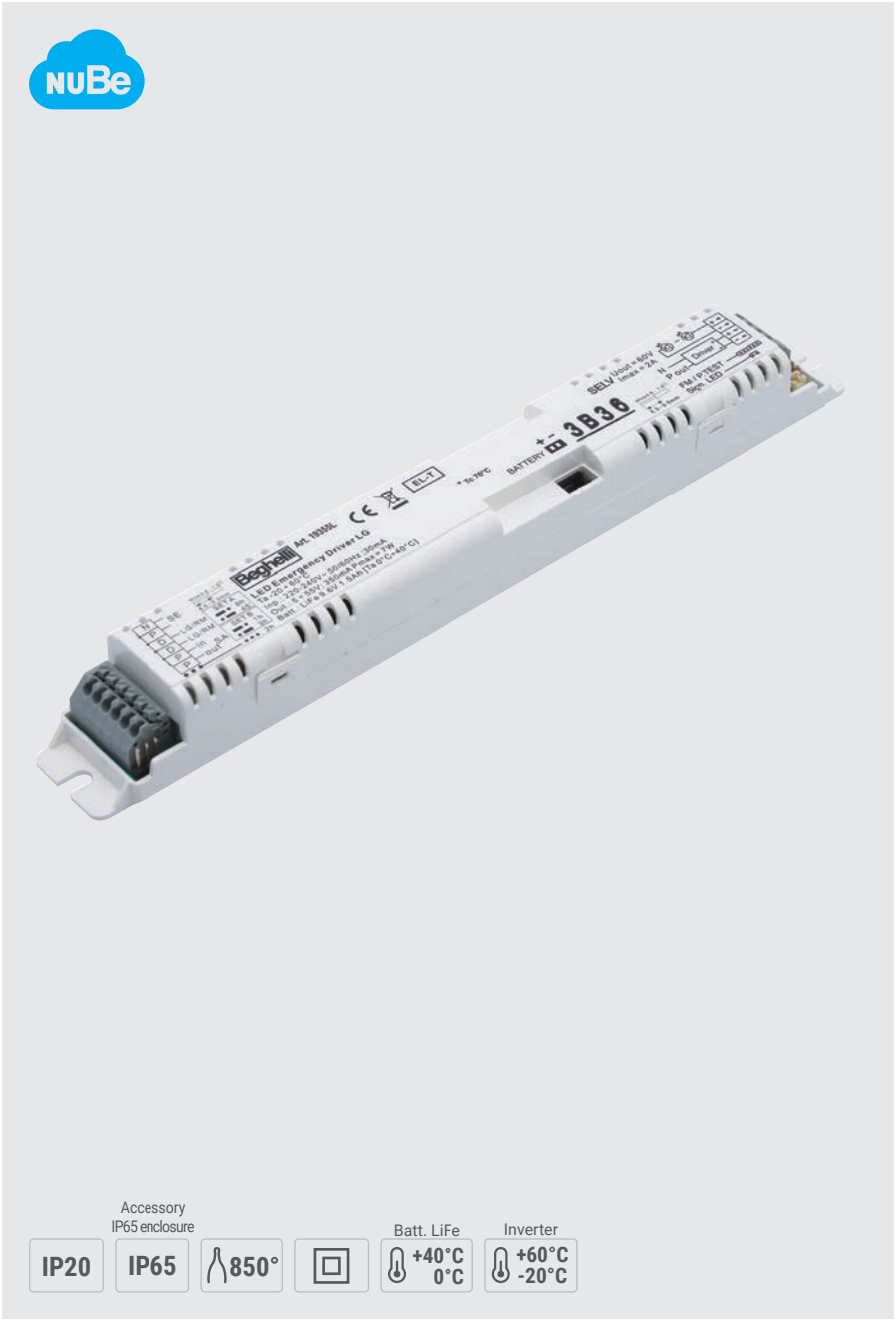
LED Inverter

emergency



High-performance LED inverter with output current control and constant peak current PWM modulation to drive the LED module optimally without distorting the luminous flux and the colour temperature (K) of the LEDs.

Inverter for AT and CT devices, wired or radio controlled. Optional booster battery for double autonomy.

Quick fixing and optional IP65 cover.

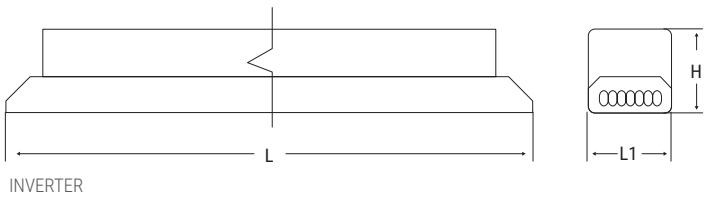
Applications

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

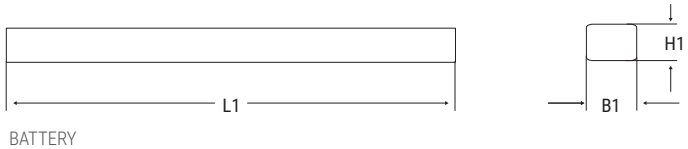
Characteristics

Power supply 230VAC ± 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.



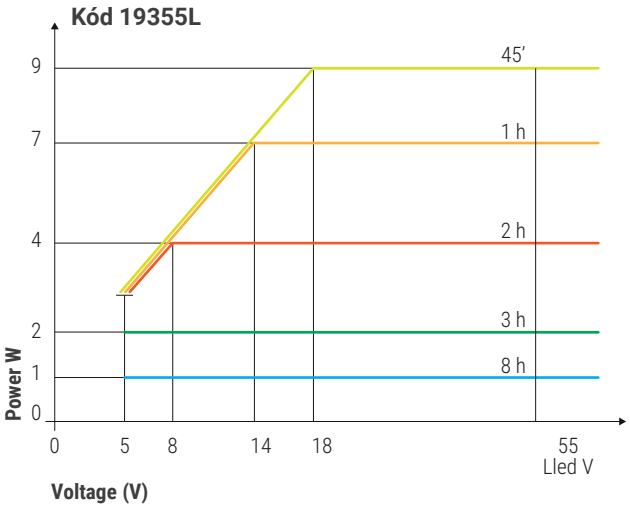
INVERTER

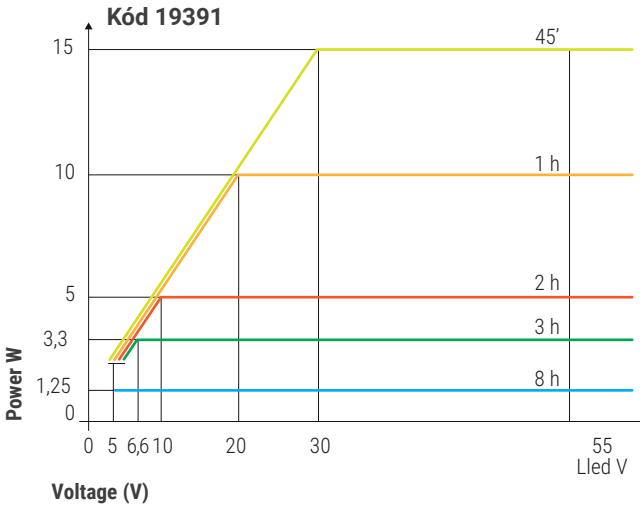


BATTERY

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

POWER TREND ACCORDING TO LED VOLTAGE





The output power is subordinated to the maximum out-put current of 500mA (e.g., with the inverter set to 1h of autonomy, it will guarantee a 7W output when only used to power an LED set with Vled>14Volt; below this voltage, the power is reduced as shown in the graph.

1h autonomy 1304lm flux

EXAMPLE OF FLUX CALCULATION FOR BS 100 LED (SMART DRIVER) WITH LED INVERTER WITH 1H OF AUTONOMY (Order 19355L)

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

$$\text{Flux} = P_{\text{inverter}} \times \frac{Fn}{Pn} \quad \text{where:}$$

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

$$\text{Flux} = 10 \times \frac{8350}{64} = 1\,304\text{lm}$$

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.

	Order Code	P out Max W	Description	Version	Autonomy h	P out W	BOOSTER BATTERY doubles the autonomy	Input power DC	Input power 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 15 W 55V	SE/SA	0,75/1/2/3/8	15/10/5/3,3/1,25	**1,5/2/4/6/16**		3,7 W

CentralTest inverters are available in LG version; they are able to integrate optional device to expand to the LGFM radio system: LGFM module, code 15037

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)**

LGFM