

USER GUIDE

KITEMLED20

Emergency KIT for 230Vac/dc LED lamps



www.lef-lighting.it

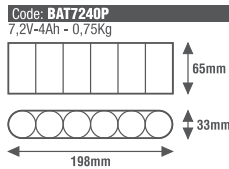
General Characteristics

Plastic case
Electric class protection II
Protection degree IP20
Multi-function LED charging indicator (included)
Test push-button (included)

Technical Features

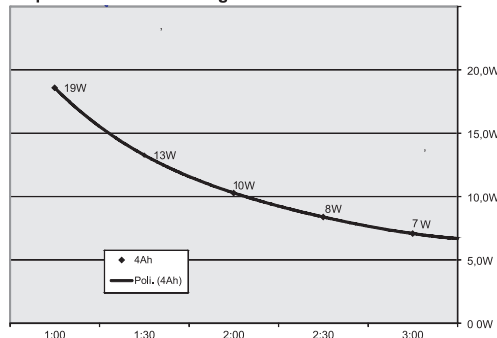
Input voltage range 220-240Vac
Input frequency 50+60Hz
Maintained or non maintained operation
Constant voltage output 200+310Vdc
Compatible with LED lamps E14/E27/GU10 (max 20W)
Compatible with LED power supplies (max 20W)
Compatible with LED tubes (max 20W)
Compatible with 230Vac strip LED (max 20W)

Automatic operation
Input for remote inhibition
«High temperature» Ni-Cd battery
7,2V-4Ah battery (included in the kit)
Battery charging current: 200mA
Autonomy: 1h
Protection device against extensive discharge
Recharging time 24h
Operating ambient temperature Ta -10°C + 50°C
Maximum temperature at the Tc point 70°C



CODICE CODE	Tensione di ingresso Input voltage (Vac)	Frequenza di rete Input frequency (Hz)	Lampade LED 230Vac Lamps (W)	Tubi LED 230Vac Tubes (W)	Strip LED 230Vac Strip (W)	Tensione di uscita in emergenza Voltage output in Emergency (Vdc)	Batteria Battery Cod. BAT7240P 7,2V-4Ah	Autonomia Autonomy (h) @10W @20W		Corrente Batteria Battery current (A)	EBLF (%)	Peso Weight (g)
KITEMLED20	220-240	50÷60	7-20	7-20	7-20	200÷310		2	1	2,5	100	950

Output Power vs. Discharge Time



ATTENTION: CONNECT THE BATTERY WITH THE SYSTEM OFF AND JUMPER J1 INSERTED. REMOVE THE JUMPER J1 FOR COMMISSIONING WHEN THE SYSTEM IS COMPLETED.

WARNINGS - Installation Guide

Make the system connections and ensure that the "local inhibition" jumper J1 is engaged before connecting the battery to the power supply.

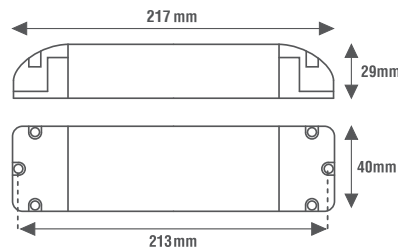
Connect the battery to the power supply respecting the polarity. Place the battery away from heat sources and the power supply. The battery is operational after 30 hours of charging, after 4 years or 500 cycles of life replace and dispose of in the appropriate containers.

Supply power to the system and remove "local inhibition" jumper J1 to activate the unit. Periodically (every three months) perform a battery discharge and recharge cycle for maximum system efficiency and life. Test the system using the test button. Before any maintenance operation, insert the "local inhibition" jumper and disconnect all power supplies, including the battery.

CONNECTIONS

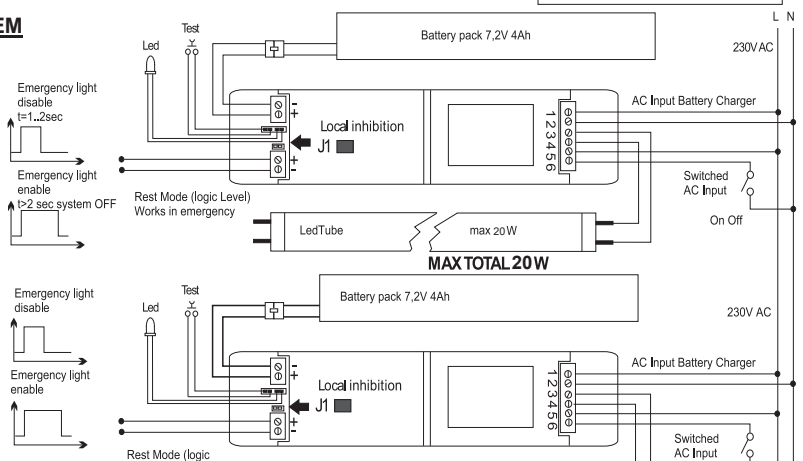
- 1-2 mains input for battery charging, intervention threshold according to EN60598-2-22. Voltage must be always present.
- 3-4 Led load: maximum 20W for tubes and bulbs 230V, maximum 20W load for systems with ballast
- 5-6 Load power supply in normal operation, use this line to insert a switch to turn the load on and off during normal operation

Rest Mode: Allows both the switching on and off of lamps during emergency operation. When mains power returns, the system will prepare for emergency operation.



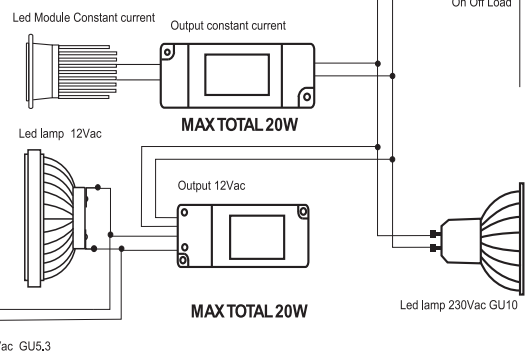
Led Status

ON	Ready OK
Slow	Charge
Fast	Low battery/ Fault
2X	Emergency status



Reference Standards

EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-7
EN 61547



PRODUCT TO BE DISPOSED DIFFERENTLY
FROM URBAN WASTE
AEE identification nr IT18040000010321



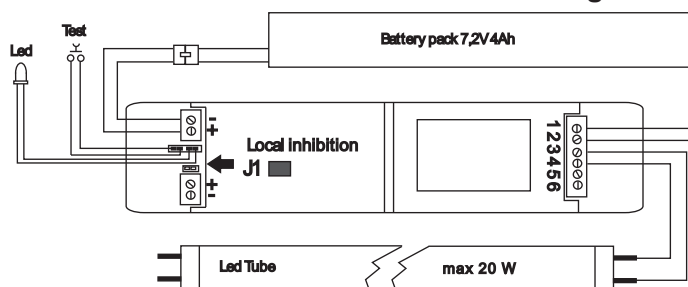
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Wiring diagrams

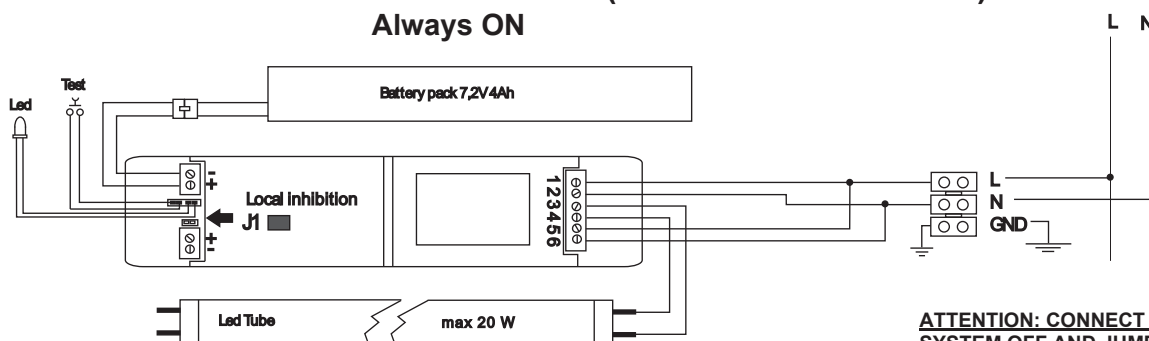


Turns on in emergencies only.



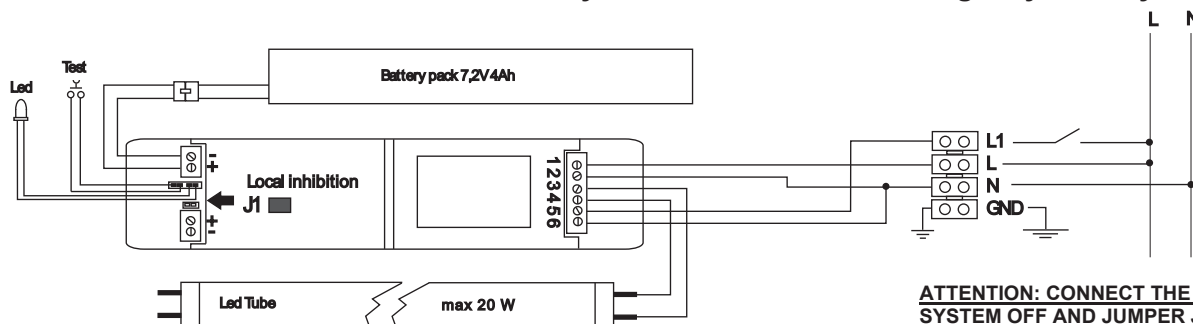
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SYSTEM OFF AND JUMPER J1 INSERTED.
REMOVE THE JUMPER FOR COMMISSIONING
WHEN THE SYSTEM IS COMPLETED.**

Always ON



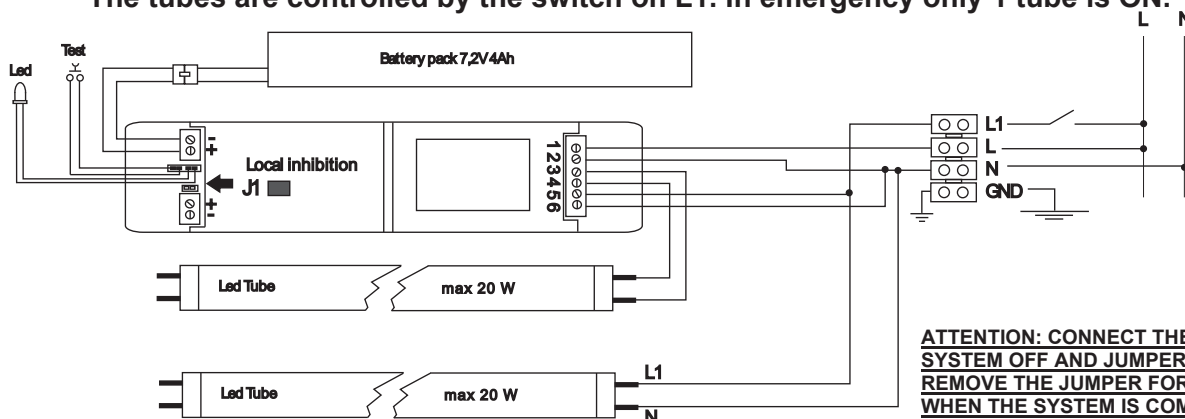
**ATTENTION: CONNECT THE BATTERY WITH
SYSTEM OFF AND JUMPER J1 INSERTED.
REMOVE THE JUMPER FOR COMMISSIONING
WHEN THE SYSTEM IS COMPLETED.**

The tube is controlled by the switch on L1. In emergency it always turns on.



**ATTENTION: CONNECT THE BATTERY WITH
SYSTEM OFF AND JUMPER J1 INSERTED.
REMOVE THE JUMPER FOR COMMISSIONING
WHEN THE SYSTEM IS COMPLETED.**

The tubes are controlled by the switch on L1. In emergency only 1 tube is ON.



**ATTENTION: CONNECT THE BATTERY WITH
SYSTEM OFF AND JUMPER J1 INSERTED.
REMOVE THE JUMPER FOR COMMISSIONING
WHEN THE SYSTEM IS COMPLETED.**