

EMERGENCY KIT T-LED PLUS 50

Emergency kit designed for LED lamps with internal driver.
Suitable for 50w maximum power LED luminaires.
Output current automatically adjusted.

Technical Features:

- Power: 230V~ 50/60Hz
- Input current: 348mA (AC) with 50W output (maintained mode). Non maintained mode: 87mA (AC).
- Battery charging current: 660-640mA
- Battery re-charging time: 24 hours.
- Maintained and Non Maintained model.
- Green Led voltage indicator of network OK.
- Red LED on circuit indicates battery charge.
- Yellow LED on circuit indicates kit failure.
- Output Voltage: 230V (AC on network / DC in emergency).
- Output current: Automatically adjusted
- Output Power: 50W maximum
- Li-Ión battery 11,1V-6600Ah (advisable to change after 2 years of operation).
- Autonomy: >1 hour
- Final voltage of battery discharge: 9VDC.
- Maximum load protection voltage: 12,8VDC.
- Ambient temperature: 0-50°C
- Max temperature of body: 55°C
- Test button incorporated
- Class II device.
- IP20
- Max distance to the LED LAMP: 2m.
- Compact design
- Dimensions: 122x78x31,5mm
- Kit weight: 200gr. Battery weight: 400gr.
- CE marked.

Working:

Power presence: The device charges permanently the battery and the green led indicating the charging process in ON. In maintained mode, the kit feeds the LED luminaire connected to the output of it with the mains voltage that reaches its input "Lin" and in non- maintained mode the LED LAMP is OFF.

Power failure: In case of power failure or low voltage, the kit enters in emergency mode, the green led indicating the battery charge goes OFF. Maintained mode, the kit continues to aliment the internal driver of the LED LAMP with battery power (DC-DC conversion). Non maintained mode: The Kit illuminates the LED LAMP same as indicated above. The autonomy greater than 1 hour.

Verification TEST: Pressing the test button of the kit, even when the network is present, switches to the emergency state, feeding the LED luminaire from the battery and the green indicator LED goes off. When releasing the pulse, it leaves the state of emergency and returns to normal operation with a network, the green indicator LED illuminating.

Installation:

- Please refer to the connection diagrams on this page for connection and follow the following steps.
- Verify that the installation is 230v 50/60 Hz and the LED lamp with internal driver to be connected to KIT can work on 230VDC.
- Switch OFF the power to make the installation.
- Connect the LED luminary to the connectors of the KIT (Led LAMP).
- Connect the cable with LED indicating the battery charging to the connector in KIT, This LED should be installed in the Luminary or near the luminary so that the charging process indication is visible. Drill hole of 6.5 mm to locate the LED support.
- Connect the Power line to the KIT connector (L), this line should be permanent, if disconnected the KIT will enter in emergency mode.
- Connect the NEUTRAL of line to KIT connector (N).
- Connect the Line "L" of the luminary (it is the same line L but has ON/OFF switch of the LED LAMP) to the KIT connector (Lin).
- Connect the battery to the connector of KIT verifying the correct polarity. If the battery is installed inside the luminaire it must be away from the heat sources
- Switch ON the main power and verify that the LED indicating the battery charging is ON. in permanent mode, if the switch on the L line is ON, the LED luminaire is on.

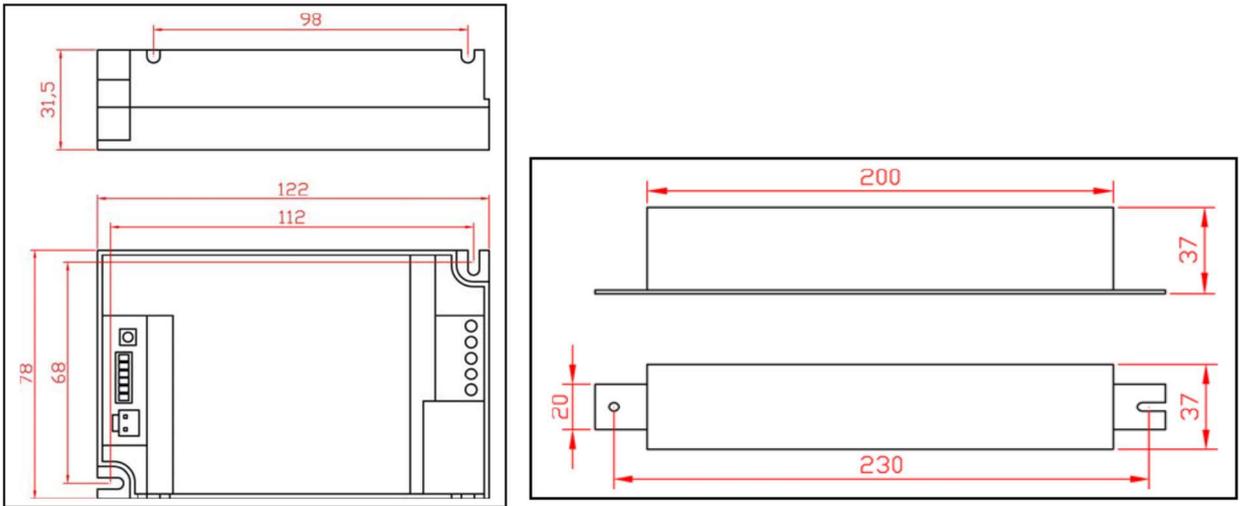
Attention!!!

It is not convenient to leave the battery connected in the kit, if it is not connected to the network. The electronic circuit at rest has a small consumption that over time discharges the battery excessively and this is harmful to it. In case of stoppage of the installation for a long period or storage, disconnect the battery.

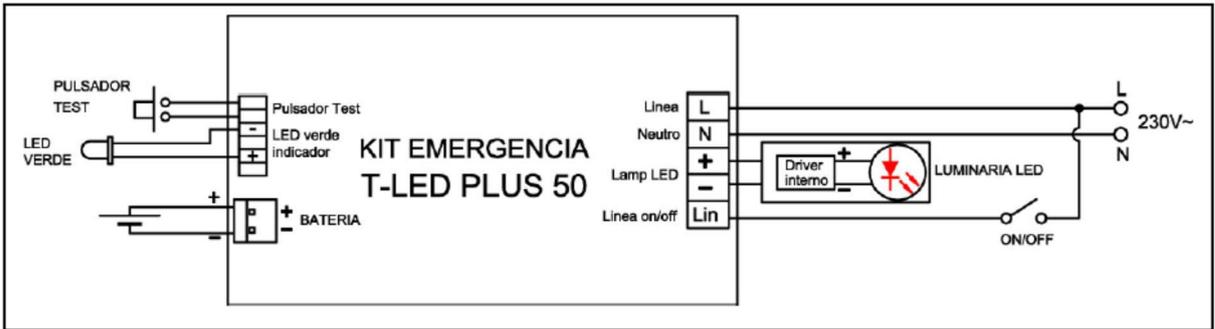
Maintenance:

The manipulation and the installation of the kit should be done by qualified technicians. Always verify that the Voltage of the Mains is adequate to the input voltage of KIT. Before installation make sure the mains is OFF and the battery is disconnected. The Li-Ión battery must be replaced when the kit provides a lower autonomy to 1 hour and record the installation date. In normal use it is advisable to change the battery at 2 years. It is advisable to do a verification test by pressing the test button several times a year, to see that the kit works well in emergency and the battery is properly charged. The old battery should be recycled in a proper way, as it can be harmful for the environment.

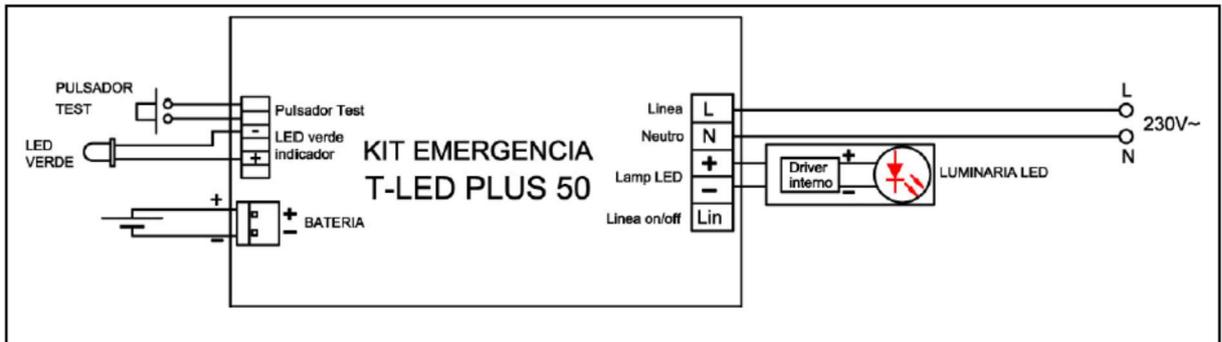
Dimensions:



Connection Diagram:



MAINTAINED (ON/OFF switch of LED LAMP)



NON MAINTAINED