

SELF CONTAINED LED EMERGENCY
Model: SPOT DL LED



Self-contained LED emergency with LED lamp 3*1W and constant current control. Designed to work in Maintained and non-maintained mode. Equipped with high luminosity white LED 3*1W for stable illumination and a small green Led to indicate the power presence and battery charging.

Characteristics:

- Supply 230 V 50/60Hz
- Input current: 56mA
- Maintained/Non Maintained.
- Green Led indicating the battery charge
- Output voltage:9.5VDC with 3*1W LED lamp
- Output current: limited to 270ma.
- Output power in emergency mode 3.5 W
- Battery Ni-mh 6V1.2 Ah
- Autonomy 1 hour
- Protection against Overloading and end of Battery Discharge
- Open circuit protection 38 V.(LED lamp)
- Colour Temperature 5000-5500K
- Grade IP20
- Class II device
- Ambient temperature:0-50°C
- Verification test via Telemando TM
- Battery charging 24 hours
- Max cross section of cable to be connected 1,5mm
- Max distance to led lamp 2m
- Recessed mounting.
- CE marked as per directives 2006/95/CE and 2004/108CE EMC
- Manufactured in accordance to norms UNE-EN 60598-2-22UNE-EN 61347-2-13

Model	Frame Color	Autonomy	Battery
SPOT DL LED-1S	Silver	1 Hour	6V - 0,8Ah
SPOT DL LED-1W	White	1 Hour	6V - 0,8Ah
SPOT DL LED-3S	Silver	3 Hours	6V - 2,5Ah
SPOT DL LED-3W	White	3 Hours	6V - 2,5Ah
SPOT DL LED SIGN S	Silver	---	---
SPOT DL LED SIGN W	White	---	---

Wokring:

Power presence: The device charges permanently the battery and the Green led indicating the charging process in ON. In maintained mode, LED Lamp is permanently ON and in non-maintained mode the LED LAMP remains OFF and goes ON in emergency.

Power failure: In case of power failure or low voltage, the luminary enters in emergency mode, the green led indicating the battery charge goes OFF,

En maintained mode: The driver maintains LED lamp ON with battery power.

En non maintained mode: The Driver switches ON the LED lamp with battery power.

The autonomy of the luminary is 1or 3hours depending on the model.

Verification TEST: Verification during power presence is done via TELEMANDO.

By pressing ON (TM) the luminary enters into emergency mode, and comes back to normal mode as the ON button is released, see diagram next page.

Installation:

_Make a hole of 70 mm diameter in the ceiling to introduce the driver and the battery and recess the luminary once connected.

- Please refer to the connection diagrams on next page for connection and follow the following steps.
- Switch OFF the power to make the installation.
- Make connections to the connector (N,L), this line should be permanent, as it is charging the battery permanently and if the line is cut the luminary will enter in emergency mode.
- Make connection to connector (L1) (see Maintained mode connection diagram), It is also possible to connect a switch in this line to switch ON/OFF the in maintained mode (see connection diagram)
- Connect the 3*1W LED lamp wire to the driver connector (LED LAMP + -) respecting the polarity indicated (red+/black-)
- Connect the green LED wire to the driver connector (battery charging indicator), respecting the polarity, the special connector enables the possibility of connection error.

- Connect the battery to the driver verifying the correct polarity. It is advisable to maintain a distance with LED lamp.

-Introduce the driver and battery through the ceiling hole, and recess the luminaire in the ceiling, Switch ON the power and verify that the Green LED indicating the battery charging and 3*1W LED lamp (in permanent mode) is ON.

IMPORTANTE: Do not disconnect the 3*1W LED lamp from the driver in working mode. by doing so the driver will be blocked, to unblock, disconnect the power line then the battery from the driver, wait for a few seconds and connect the 3*1W LED lamp, then the battery and followed by the power line.

Maintenance:

The manipulation and the installation of the kit should be done by qualified technicians.

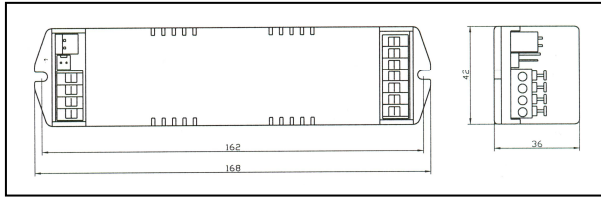
Always verify that the Voltage of the Mains is adequate to the input voltage of KIT.

Before installation make sure the mains is OFF and the battery is disconnected.

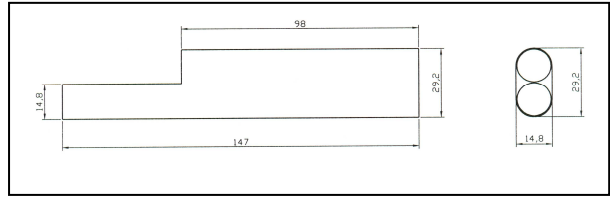
The Ni-cd battery has a life cycle of 4 years or 400 charging cycles, after this, it should be substituted and date of substitution should be notified.

The old battery should be recycled in a proper way, as it can be harmful for the environment.

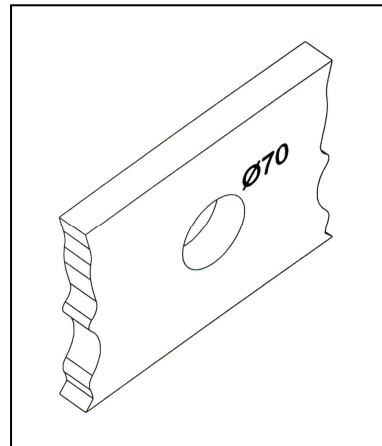
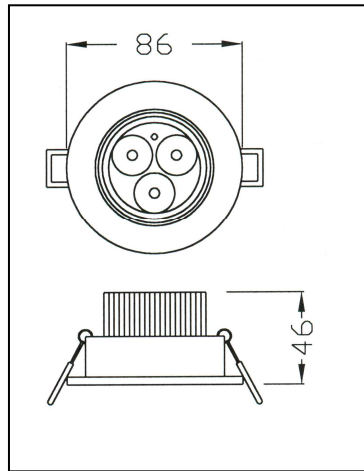
Dimensions:



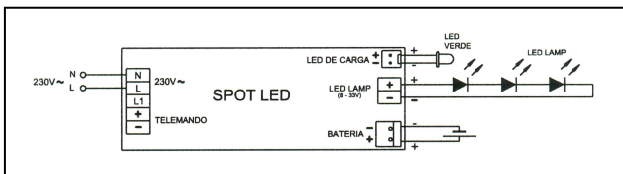
Weight: 102gr.



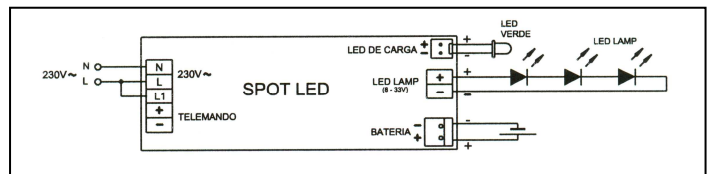
Weight: 107gr.



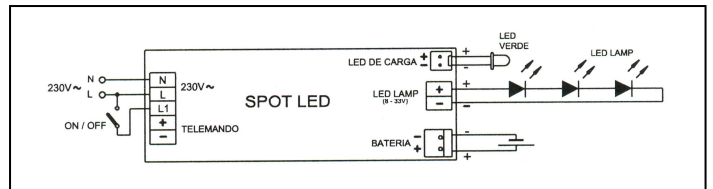
Connection Diagram:



NON MAINTAINED



MAINTAINED



MAINTAINED with SWITCH to switch ON/OFF the LED Lamp

Telemando Connection:

