

**SELF CONTAINED EMERGENCY LIGHTING**

Serie: LUNA DL



**Introduction:**

LUNA DL series downlight with electronic equipment and battery to operate in the presence of mains and in an emergency situation. Made of aluminum and designed for excellent thermal dissipation. It has a two-colour LED integrated in the same downlight to indicate the result of the automatic verification test. Ideal for installations in offices, salons, hotels, supermarkets, airports, etc.

**Characteristics:**

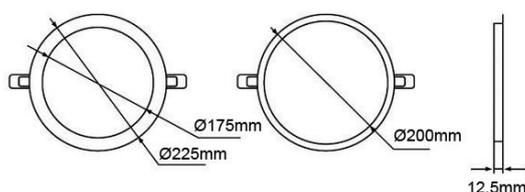
- Supply: 230V~ 50/60Hz.
- Non maintained.
- Automatic intelligent control for battery charging.
- Self-test.
- TWO-COLOUR LED (Green - Red) signaling.
- GREEN LED indicates main presence and correct operation of the equipment.
- RED LED indicates device failure.
- White aluminium downlight.
- Glass opal diffuser.
- SMD LED 2835 high brightness white.
- Colour temperature: 4000K or 6000K (depending on the model).
- Circuit with constant current output control.
- Emergency output current: 100mA.
- Battery Li-Ion: 3.7V - 2600mAh (inside the KIT). **(Advisable to change after 2 years of operation).**
- Final battery discharge voltage: 3 VDC.
- Battery re-charging time: 24 hours.
- Protection against overloading and end of battery discharge.
- Grade IP 40 (downlight). Grade IP20 (electronic equipment).
- Class II.
- Max cross section of cable to be connected: 1,5mm<sup>2</sup>
- Ambient temperature: 0-50°C
- Flush mount in false ceiling.
- Suitable for indoor use only.
- CE marked as per directives.
- Manufactured as per norms: UNE-EN 60598-2-22, UNE-EN 61347-2-13.

Model	Colour temperature	Lamp	Battery Li-Ion	Autonomy	φ Lumens
LUNA DL LR-4000	4000K	PCB 96 LED SMD	3.7V 2.6Ah	1 hour	300
LUNA DL LR-6000	6000K	PCB 96 LED SMD	3.7V 2.6Ah	1 hour	300
LUNA DL-24 LR-4000	4000K	PCB 96 LED SMD	3.7V 2.6Ah	1 hour	300
LUNA DL-24 LR-6000	6000K	PCB 96 LED SMD	3.7V 2.6Ah	1 hour	300

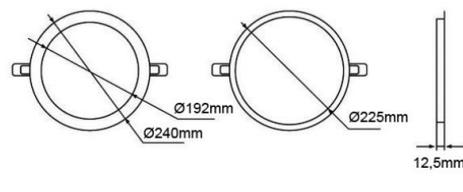
**Installation:**

Switch OFF the power to make the installation.

- 1.- Make a round cut in the false ceiling according to the dimension indicated in the graph on the following page.
- 2.- Connect the installation main cables to the electronic equipment according to the connection diagram
- 3.- Connect the orange connector of the output cable of the electronic equipment with the orange connector of the LUNA LED. It has a unique connection position so as not to reverse the polarity.
- 4.- Connect the two-colour LED connector with proper polarity to the circuit pins.
- 5.- Connect the battery (inserting the connector that joins the 2 parts of the battery cable with the proper polarity).
- 6.- Insert the electronic equipment through the cut made in the false ceiling and install the LUNA LED downlight using the incorporated springs. Move electronic equipment away from the downlight.
- 7.- Provide mains voltage to the installation and verify that the two-colour LED indicator lights up green.



LUNA DL



LUNA DL-24

### **Self-test:**

Once installed, the device performs an automatic test once a month, entering in emergency mode for 1 minute.

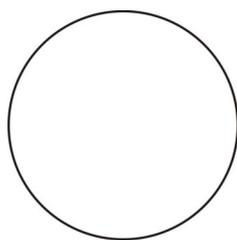
Once a year (after 11 months of installation), the device performs a test of the complete discharge of the battery and check that the autonomy is correct.

### **INDICATIONS:**

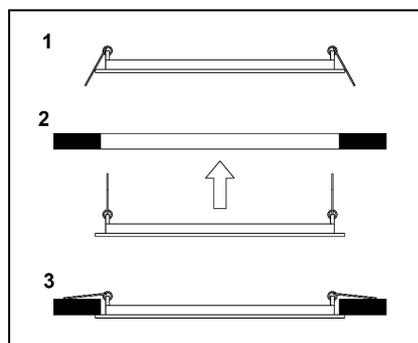
1. GREEN LED ILLUMINATED: Power ON and status OK.
2. RED LED ILLUMINATED: Device failure (LED lamp or battery).

RESET: once the fault has been rectified, disconnect the battery for more than 30 seconds to do a RESET and remove the fault alarm.

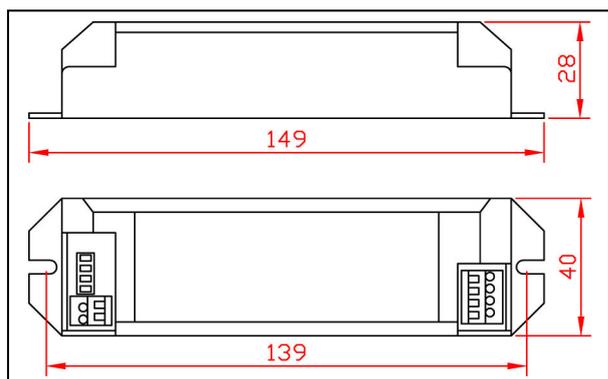
### **Cut out:**



LUNA DL: Ø 200 – 215 mm  
LUNA DL-24: Ø 225 – 230 mm



### **Electronic equipment dimensions:**



Weight electronic equipment: 128gr

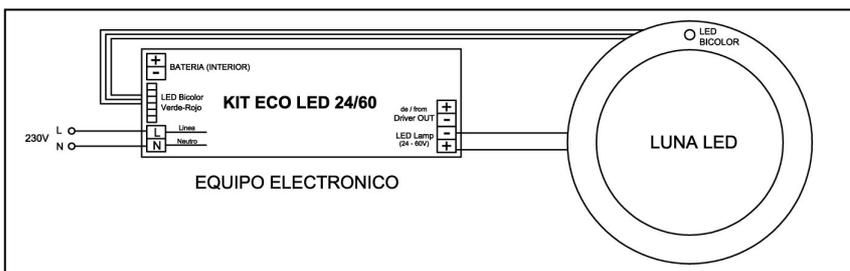
### **Maintenance:**

The manipulation and the installation of the kit should be done by qualified technicians. Always verify that the installation's main voltage is the appropriate value of the equipment input. Before installation make sure the mains is OFF.

The Li-Ion battery must be replaced when the autonomy time of the equipment is less than that assigned. It is convenient to write down the date of the change. In normal use it is advisable to change the battery after 2 years.

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

### **Connection diagram:**



NON MAINTAINED