

**SELF CONTAINED LED EMERGENCY****Model: ORBIT OR-150 AT**

Self contained LED 2W emergency with non-maintained autotest function. Includes two interchangeable lenses for open and corridor area. Designed in small size and round shape for ceiling surface or recessed mounting. Great ease of installation. It has a two coloured LED signaling integrated in the equipment.

**Characteristics:**

- Supply 230V~ 50/60Hz
- Input current: 19,6mA
- Input power: 1,85W (with discharged battery)
- Non maintained
- Lumens: 150lm
- Built-in autotest function (lamp and battery test)
- Two coloured LED signaling
- White LED SMD 2W OSRAM OSOLON of high luminosity
- Colour temperature 6000K
- Battery Ni-MH 3,6V-1200mAh
- Autonomy: >1h
- Battery charging 24 hours
- Protection against overloading and end of battery discharge
- Grade IP40
- Class II device
- Ambient temperature: 0-40°C
- Ceiling surface or recessed mounting
- Weight: 275gr.
- CE marked as per directives 2014/35/UE y 2014/30/UE de EMC
- Manufactured in according to standards: UNE-EN 60598-2-22

**Working:**

*Power presence:* The device charges permanently the battery and the two coloured LED of signaling is in green colour. The white LED of the equipment remains off.

*Power failure:* In case of power failure or low voltage, the luminary enters in emergency mode. The signaling LED goes off and the white LED of the device lights up and starts feeding from the battery.

**Verification test:**

The equipment has the autotest function that automatically performs a test of the LED lamp once a week and a battery test once a year. The results are shown through the signaling LED according to the colour code indicated below.

**Signaling:**

Operation OK: Two colour LED in green fixed light.

LED lamp failure: Two colour LED in red flashing.

Battery failure: Two colour LED in red fixed light.

**Surface installation:**

- Remove the equipment from its housing for surface mounting. To do this, push from the back by pressing on the 2 side wings (A) that hold it to the housing. See connection diagram.
- Screw the surface mounting housing to the ceiling using 4 screws. See surface installation graphic.
- Switch off the power to make the installation.
- Remove the network cable from the installation through the housing and connect it to the equipment terminal block according to the connection diagram. Beforehand, remove the cap that protects the terminal strip with 2 screws and reassemble it once the connection has been made.
- Insert the equipment into its pressed housing so that it stays trapped in it.
- Next, give the mains voltage (230V) to the equipment and verify that the two-colored signaling LED lights green. The battery will not be fully charged until 24 hours.

**Recessed installation:**

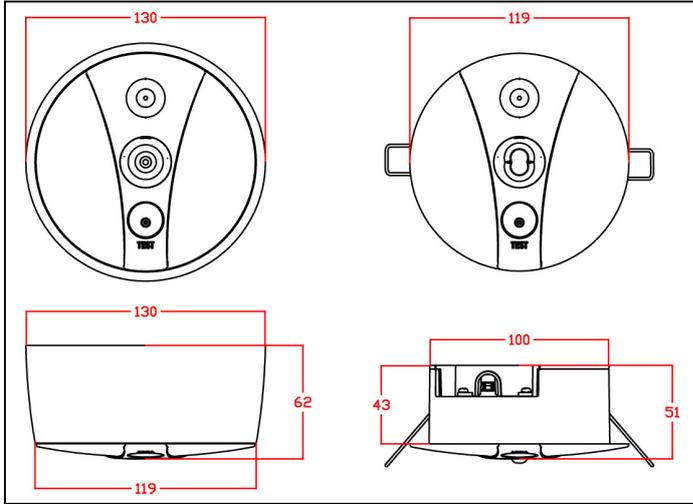
- See installation graphic recessed.
- Remove the equipment from its housing and mount the side springs for fastening in false ceiling that are supplied. To do this, remove the back cover of the equipment by removing the 2 screws marked with (B). Remove the 2 plastic fins (A) and insert the springs. Then close the lid again with the 2 screws.
- Make a hole in the roof with a diameter of 102mm.
- Remove the network cable from the installation through the hole and connect it to the equipment according to the connection diagram. Before disassembling the cover that protects the terminal strip and after the connection, reassemble it with 2 screws.
- Insert the equipment into the hole in the false ceiling with the springs facing upwards. Then the springs are in the position to hold the equipment as seen in the graph.
- Next, give the mains voltage (230V) to the equipment and verify that the two coloured signaling LED lights green. The battery will not be fully charged until 24 hours.

**Maintenance:**

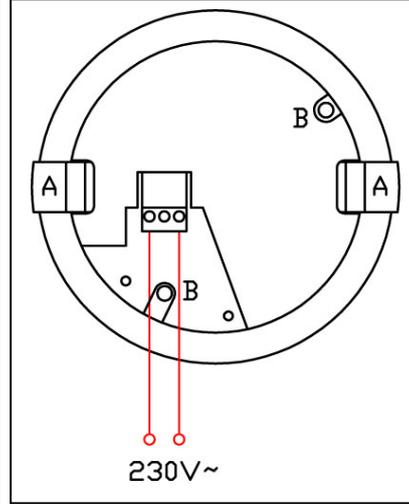
The manipulation and the installation of the device should be done by qualified technicians. Always verify that the voltage of the mains is adequate to the input voltage of the device. Before installation make sure the mains is off. The Ni-MH battery must be replaced when the equipment's autonomy time is less than 1 hour. It is convenient to write down the date of the change.

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

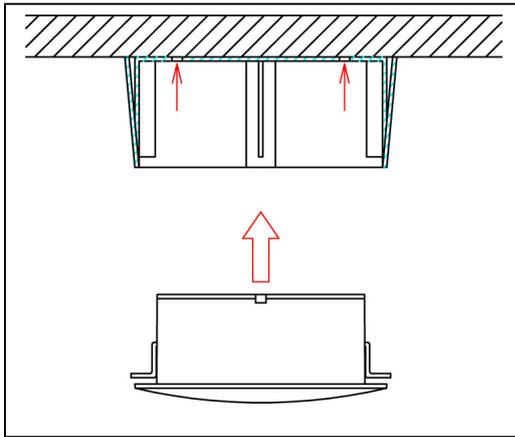
**Dimensions:**



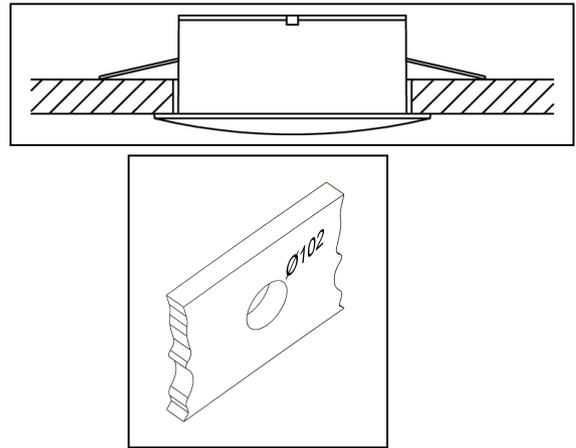
**Connection:**



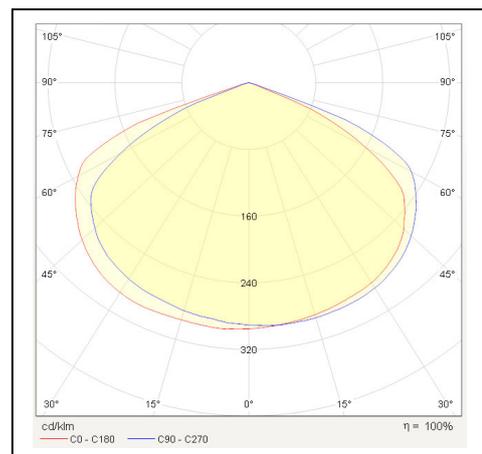
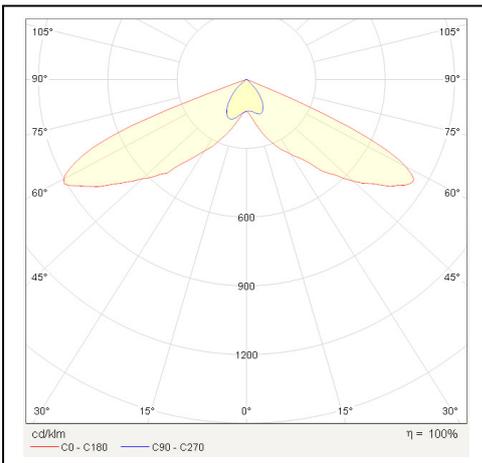
**Surface installation:**



**Recessed installation:**



**Photometric curve:**



**Distances table of evacuation route**

Minimum 1 lux on the evacuation route axis

Mounting height (m)



2.50	5.40	11.30
3.00	5.60	12.70
4.00	5.00	13.40