



## GR-8/LEDs EMERGENCY MAINTAINED LUMINARIES



TECHNICAL SPECIFICATIONS	GR-8/LEDs
Mains voltage	220-240V AC/ 50-60Hz
Max. Consumption	3,5 VA
Batteries	3,6V/1000mAh
Recharging consumption	50mA
Recharging time	24h
Emergency duration	180min
Charging indicator	Red colored led
Battery protection	Overcharging protection
Tubes	12 white LEDs
Light output	6000mCd
Degrees of cover protection	IP 20
Produced in accordance with	EN 50082-1, EN 61000-3-2, EN 61000-3-3, EN 60598-1, EN 60598-2-22
Operation temperature range	0 to 60 °C
Humidity	Up to 95% relative humidity
Dimensions	246x76x42mm
Weight	400gr.
Guarantee	3 years

### OPERATING INSTRUCTIONS

These models were designed for places where we need small power emergency luminaries.

The device must be connected permanently to the mains voltage. During this period the display leds are lit and the battery is charging. In case of a mains power supply failure the luminary will light automatically. When the mains power supply is restored the device shuts down and the batteries begin to charge. The device is then ready for a new interruption of the mains power supply.

**To instal the device you have to connect first the battery cable and next the mains cable. To make such arrangements you have to dismantle the device as shown at figure 2. First connect the unconnected battery plug. To connect the device to the mains power supply, locate the mains connection terminal block on the electronic board as shown at figure 1. The luminary has a indication Led and a TEST button on one side. We can use this button to TEST the emergency circuit and the lamp for good operation only when the luminary is plugged in to mains. Figure 1 shows the appropriate connection of the luminary.**

Connect the mains live wire to the side of the terminal block marked L and the mains neutral wire to the side of the terminal block marked N. Connect the L1 contact of the terminal block directly to the mains wire (L) or via a wall switch.

The rechargeable batteries which are contained in the luminary are Nickel-Cadmium (Ni-Cd) batteries with long life spans.

These batteries can withstand to stay uncharged for long periods of time without any problems (e.g dormant periods of hotels). These devices are designed for wall mounting purposes.

#### **WARNING!!**

1. Ni-Cd batteries should be changed when the duration of the luminary drops below 60% of the nominal duration stated above.

2. Replaced batteries must not be thrown into trash bins. They must be returned to special battery disposal points.

3. The unit must be connected to a dedicated fused power line, for example 16A rating.

4. Every six months, a duration check should be carried out for 1/3 of the stated autonomous duration.

