

SELF-TESTING MAINTAINED EMERGENCY LUMINAIRE WITH WHITE LED's



TECHNICAL CHARACTERISTICS	GR-736/6L
OPERATION VOLTAGE	220-240V AC/50-60Hz
MAXIMUM POWER CONSUMPTION	5W / 13VA
BATTERY (Ni-Cd)	3.6V/3Ah
BATTERY PROTECTION	From overcharge and full discharge
INDICATIONS - CONTROLS	Charge LED, Lamp Fault LED, Fault LED, TEST button
CHARGING TIME	24h
MINIMUM AUTONOMOUS DURATION	3h
ILLUMINATION SOURCE	6 white power LED's
ILLUMINATION	75lm(230V AC) / 150lm(emerg.)
DEGREES OF COVER PROTECTION	IP 20
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
OPERATION TEMPERATURE RANGE	0 to 40 °C
RELATIVE HUMIDITY	Up to 95%
EXTERNAL DIMENSIONS	350 x 127 x 85 mm
TYPICAL WEIGHT	820gr
GUARANTEE	3 years (1 year for the battery)

Installation

To install the luminaire follow the installation instructions on page 2.

General

These luminaires are used in places where emergency luminaires are needed. Each luminaire must be permanent connected to mains power supply. In normal operation the battery is charging and the power LED's light in the screen.

In case of a mains power supply failure the luminaire will light automatically in emergency mode. When the mains power supply is restored the device turns to normal operation.

Battery Cut-off

The luminaire enters in this operation when the mains power supply fails and battery has lost its energy. During this operation the luminaire enters the idle state and battery consumption is negligible, in order to be protected from deep discharge.

Battery charging

The battery charging is completely controled. In this case, is achieved the perfect battery maintenance , as well as the elongation of its duration. When the battery has completely charged, it charges with a maintenance current.

Manual Test

The manual test can be conducted only if the main power supply and the battery is connected. By pressing the test button (use a pointy tool with diameter of 2mm max.) briefly an operation test is initiated. During this test period all indication LEDs are OFF.

Automatic test

This test includes all the operations that provide the manual test and is conducted automatically every 15 days. In order to be performed, the main power supply and the battery should be connected.

Automatic Autonomous Test

The Automatic Autonomous Test is conducted and measures the luminaire's back up operation.

This test is conducted automatically every six months. In order to be performed, the main power supply and the battery should be connected (the battery should be charged). If the battery is not charged, the test is postponed until the battery is completely charged. If during the Automatic Autonomous Test the luminaire's duration is lower than the named, then the battery must be replaced.

Back Up Operation

The autonomous duration of battery during emergency mode is at least the one that is stated in the list of the first page. During emergency mode, a LED strip test is also performed.

Resetting Errors

Push the Test button (described in **Manual test** section) for 5 seconds, to extinguish all the indicated LED errors. Then the luminaire enters regular operation mode.

Indication LED status (with connected mains power supply).

AC Charge

On: Good charge current.

Off: No battery (No charging current or disconnected battery).

Lamp fault

On: faulty LED strip.

Off: Good LED strip.

Fault

Off: Battery OK.

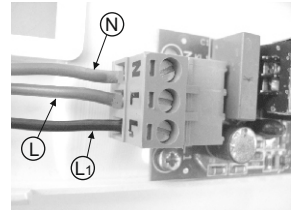
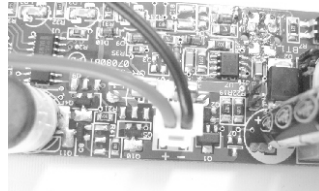
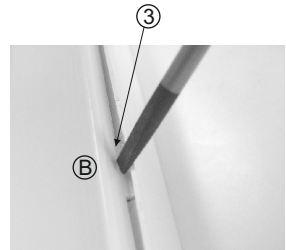
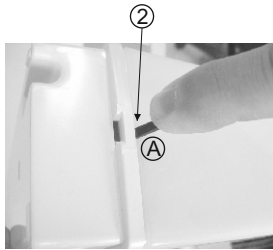
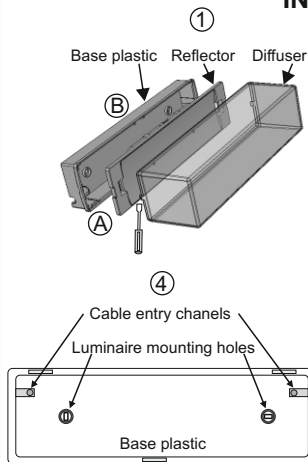
Blink (With AC Charge LED ON): Autonomy or low battery problem

(the battery must be replaced).

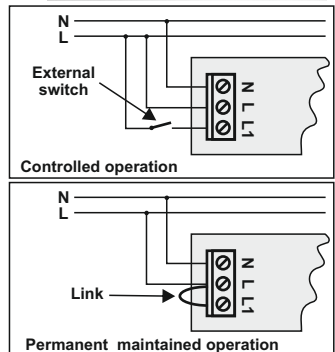
Blink (With AC Charge LED Off):

No charging current or disconnected battery.

INSTALLATION INSTRUCTIONS



- ① To install the luminaire you must dismantle it to 3 parts.
- ② Place a flat blade screwdriver in the area A to release the diffuser's plastic hook.
- ③ Place a flat blade screwdriver in the area B to release the reflector's plastic hook.
- ④ Use the included mounting parts to mount the base plastic. Pass the mains cable thru a cable entry channel.
- ⑤ Place the battery's connector to the corresponding connector on the P.C.B.
- ⑥ Connect the mains wires to the removable terminal block. N for neutral, L for live wire and L1 wire for the maintained operation of the luminaire. The L1 wire can be connected to an external switch to control the maintained (or not) operation of the luminaire. For permanent maintained operation supply the unit with two wires N for neutral and L for live wire and link the L and L1 contact.
- ⑦ Refit the removed plastic parts (mind the orientation) and the luminaire is ready to operate.

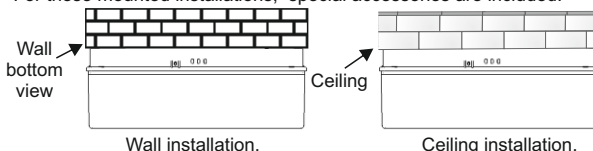


NOTE!!

After finishing the installation you must power the luminaire at least for 24 hours for battery charging to perform the named autonomy.

Mounting methods

Rect Light luminaires can be surface mounted on walls or ceilings. For these mounted installations, special accessories are included.



NOTE: LED= Light Emitting Diode

LABELING EXPLANATION:

X: Self contained
1: Maintained
A: Including test device
180: 3 hour duration

ATTENTION!!!

1. Operations for installation, maintenance or checking must be done by authorized personnel only.
2. The device must be connected to mains power supply thru a fuse dependent by the total amount of the line's power load.
3. In case of battery or lamp replacement, these must be replaced by parts of the same type, by the manufacturer or by a competent person.
4. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
5. **It is not allowed to discard batteries in to common trash bins, but they must be discarded only in battery recycling points. Do not incinerate.**