

SELF-TESTING EMERGENCY LUMINAIRES



TECHNICAL CHARACTERISTICS	GR-938/4P	GR-938/6P
OPERATION VOLTAGE	220-240V AC/50-60Hz	
MAXIMUM POWER CONSUMPTION	13 VA	16.5 VA
BATTERIES (Ni-Cd)	4.8V/1.5Ah	4.8V/3Ah
BATTERY PROTECTION	From overcharge and full discharge	
INDICATIONS	Charge, lamp fault, fault indication LED	
CHARGING TIME	24h	
MINIMUM AUTONOMOUS DURATION	90min	
ILLUMINATION SOURCE	4 power LED's	6 power LED's
ILLUMINATION (230V / EMERGENCY)	125/200lm	200/400lm
DEGREES OF COVER PROTECTION	IP 65	
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22	
OPERATION TEMPERATURE RANGE	0 to 40 °C	
RELATIVE HUMIDITY	Up to 95%	
CONSTRUCTION MATERIALS	Bayblend FR3010, transparent polycarbonate	
EXTERNAL DIMENSIONS	355 x 145 x 73 mm	
TYPICAL WEIGHT	840gr.	940gr.
GUARANTEE	3 years (1 year for the battery)	

GENERAL

These luminaires are used in places where emergency luminaires are needed.

Each luminaire must be permanently connected to mains power supply.

In normal operation the led strip lights and the battery is charging.

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

INSTALLATION

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

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.

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.

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 Reset dot for 5 seconds, to extinguish all the indicated LED errors (see page 2). 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.

pulling out the battery's connector.

4. It is not allowed to discard batteries in to common trash bins, they must be discarded only in battery recycling points. Do not incinerate.

NOTE: LED= Light Emitting Diode

LABELING EXPLANATION:

X: Self contained

1: Maintained

90: 1.5 hour duration

ATTENTION!!!

1. Operations for installation, maintenance or testing must be done by authorized personel only.

2. The device must be connected to the mains power supply thru a fuse dependent by the total amount of the line's power load.

3. In case of inactive use for a period greater than 2 months, disconnect the battery by

INSTALLATION INSTRUCTIONS

- Remove the diffuser. Place simultaneously 2 flat blade screwdrivers and pull up gently the reflector.
- Install the base plastic (with the included mounting screws and plugs) after opening the hole for the cable gland.
- Instal the cable gland and pass the round cable thru.
- Place the battery's connector to the corresponding connector on the P.C.B.
- Connect the mains cables to the respective detachable terminal block.
- N for neutral, L for live wire and L1 for the maintained operation. The L1 wire can be connected to an external switch to control the maintained or non maintained operation of the luminaire.
- For permanent maintained operation use two wires to power the luminaire, N for neutral and L for live wire, and link the L and L1.
- Install the waterproof gasket in the perimeter groove of the luminaire. Refit the reflector and fasten the two small screws (included).
- Finally place the diffuser by using the 4 included screws (tightening torque 1.2 Nm).

