



GR-736/21L/MAR SELF-TESTING MAINTAINED EMERGENCY LUMINAIRE WITH WHITE LED's



TECHNICAL CHARACTERISTICS

OPERATION VOLTAGE	220-240V AC/50-60Hz
MAXIMUM POWER CONSUMPTION	3.5W/7VA
BATTERIES (Ni-Cd)	3.6V/1.5Ah
BATTERY PROTECTION	From overcharge and full discharge
INDICATIONS - CONTROLS	Charge LED, Lamp LED, Fault LED, TEST button
CHARGING TIME	24h
MINIMUM AUTONOMOUS DURATION	180min
ILLUMINATION SOURCE	White LED's
ILLUMINATION (MAINS/EMERG.)	150lm / 150lm
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%
CONSTRUCTION MATERIALS	Bayblend FR3010, transparent polycarbonate
EXTERNAL DIMENSIONS	350 x 127 x 85 mm
TYPICAL WEIGHT	720gr.
GUARANTEE	3 years (1 year for the battery)

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GENERAL

These luminaires are used in ships (ta 40°C) where emergency light is 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 (powered by its battery). When the mains power supply is restored the device turns to normal operation.

INSTALLATION

To install the luminaire follow the installation instructions on page 4.

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 controlled. In this case, the best possible battery maintenance is achieved, 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 technical characteristics. During emergency mode, a LED strip test is also performed.

Resetting Errors

Push the Test button (use a pointy tool with diameter of 2mm max.) 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.