

Package Contents

- 1 × Luminaire
- 3 × Pictograms (Right, Left, Down)
- 1 × User Manual
- 1 × Bag with mounting accessories

General

This emergency luminaire is designed for installation in indoor spaces with ambient temperatures up to 40°C. It must remain permanently connected to the mains power supply to ensure proper operation. In the event of a mains power failure, the luminaire automatically switches to emergency mode, activating the LEDs to provide reliable safety lighting. Once the mains power is restored, the luminaire returns to normal operation without the need for user intervention.

Manual Operational Test

The operational test is initiated by briefly pressing the TEST button. The light source and the emergency circuit of the device are tested. The manual operational test can be conducted only if the mains power supply and the battery are connected. During this test period, the RED LED starts flashing. The battery must have an adequate charge. This test lasts for 3 seconds.

Automatic Operational Test

This test includes all the operations provided in the Manual Operational Test and is conducted automatically every 15 days, lasting 3 seconds.

Automatic Autonomy Test

The automatic autonomy test is carried out every 6 months and measures the duration of the device's emergency operation. For the test to be executed, the mains supply must be connected and the battery must be fully charged. During the test, the luminaire switches to emergency mode and the yellow indicator LED starts flashing. The test lasts for the full rated autonomy of the luminaire. If, at the end of the test, the measured autonomy is lower than the rated value, the green LED together with the yellow LED will turn on, indicating that the battery needs to be replaced. If the test is successful, the luminaire enters charging mode and the green LED continues to flash until the battery is fully charged.

ATTENTION!!!

1. Operations for installation, maintenance, or testing must be done by authorized personnel only.
2. Always use round mains cables with a diameter of 5-10mm (H05RN-F type 2x1mm² or any other type at least equal to its mechanical and electrical properties). ATTENTION!! The cable must not be deformed in any way (This requirement is important to ensure the IP rating).
3. The device must be connected to the mains power supply through a circuit breaker that is appropriate for the total line's power load.
4. In case of battery replacement, it must be replaced with the same type, by the manufacturer or a competent person.
5. If the device is inactive for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
6. If the luminaire no longer meets the rated duration of operation after the corresponding recharge period, the battery must be replaced.

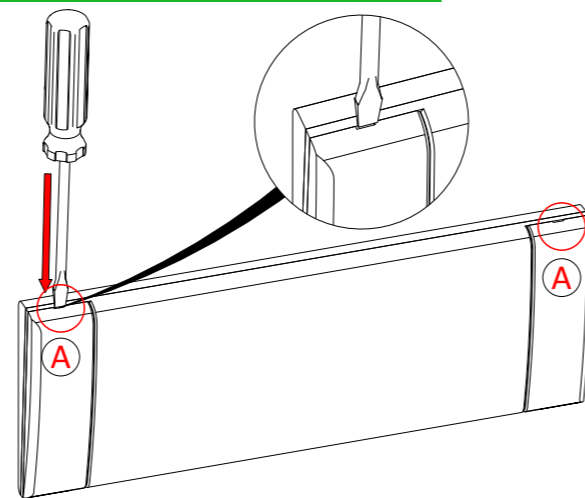
Important note for luminaires installed in the same area

When multiple luminaires are installed in the same area and simultaneous automatic six-month autonomy testing must be avoided, a specific sequence during installation is required. The installer must first connect the battery in each luminaire and then connect it to the mains supply, leaving a time gap of at least 90 seconds before proceeding to the next one. In this way, the automatic autonomy test will not occur on the same day for all luminaires, but with a difference of at least one day.

LED Indicator Status

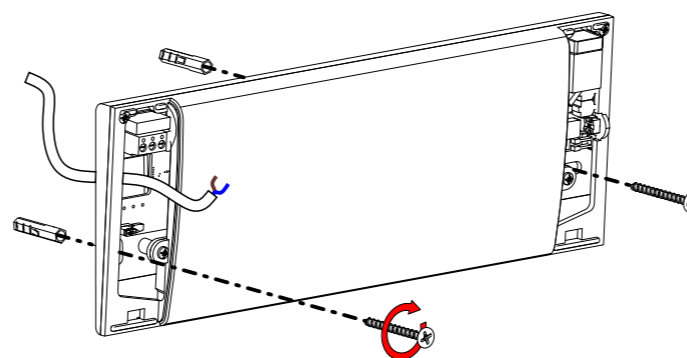
Green	Red	Yellow	Description
●	○	○	Normal operation
●	○	○	Battery charging (The autonomy test cannot be performed)
○	○	○	Charging fault, disconnected battery, or absence of mains voltage
○	●	○	Operational test (Duration: 3 sec.)
●	●	○	Light source fault
○	○	●	Autonomy test (Duration: according to the luminaire's rated autonomy)
●	○	●	Battery fault
●	●	●	Battery & light source fault
Note:			● Steady ON ● Flashing ○ Off

Installation



Insert a flat-bladed screwdriver into the two designated points A and apply gentle pressure to unlock and remove the two plastic covers. This will give you access to the interior of the luminaire.

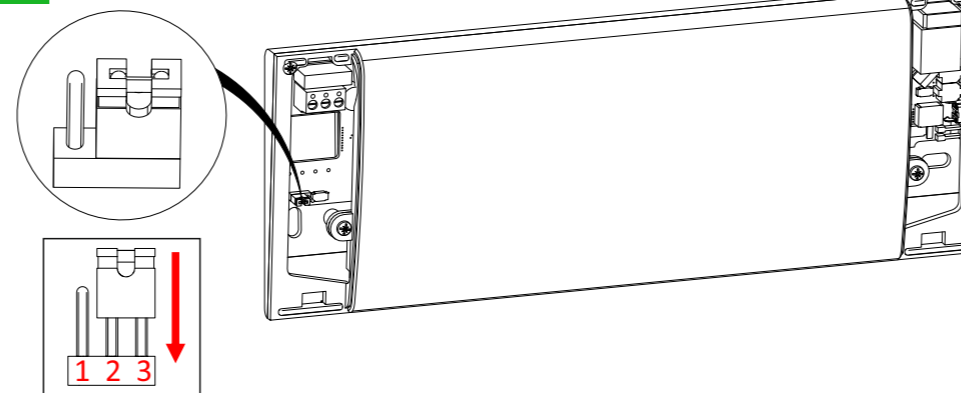
1



Pass the power cable through the opening located at the back of the luminaire. Then, mount the luminaire on the wall using the supplied mounting accessories, ensuring that it is positioned in the correct orientation.

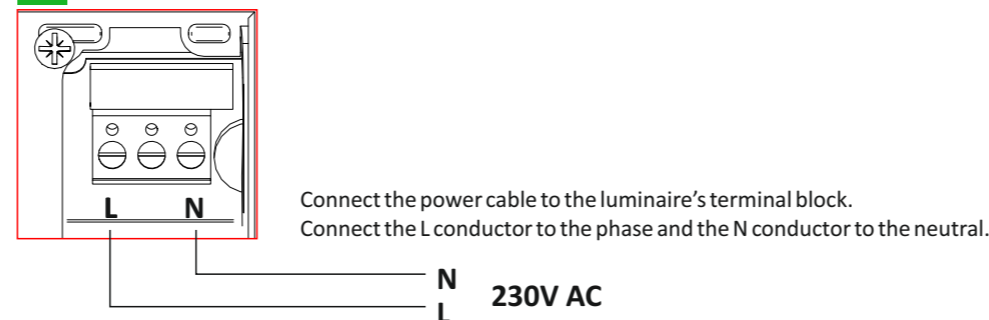
Caution: The luminaire must be installed so that the power cable aligns properly with the cable entry of the luminaire.

2

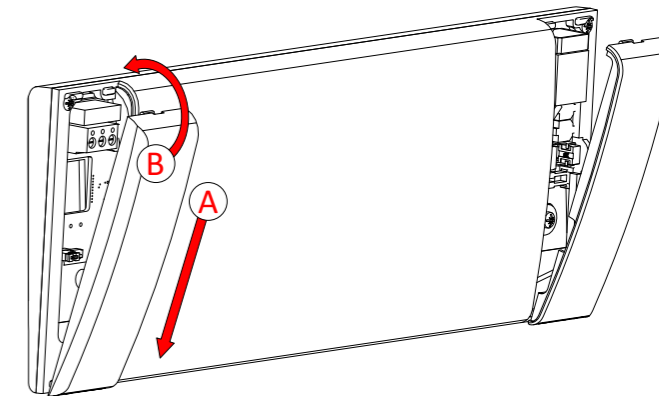


The luminaire's battery is factory-connected. To activate it, change the position of the jumper located at point CN1, as shown in the image above.

3



3



Reinstall the plastic covers removed in Step 1. The luminaire is now ready to be connected to the mains supply.

5

Note! After finishing the installation you must power the luminaire for at least 24 hours in order to completely charge the battery. The rated autonomy duration can be achieved after that time.

Additional Test Button Functions

When the luminaire is in emergency mode, a short press of the TEST button turns off the light source to save battery energy. Pressing the button again turns the light source back on, and the luminaire continues normal emergency operation. If the mains voltage is restored, the luminaire automatically returns to its previous operating state. In the event of a new power failure, the luminaire re-enters emergency mode and the light source is activated normally.

Error Reset (when mains power is present)

By holding the TEST button for 5 seconds, all stored errors are cleared. The reset is confirmed by the three indicator LEDs lighting up in sequence.

Maintained / Non-Maintained Mode Selection (when mains power is present)

By holding the TEST button for 10 seconds, the luminaire switches between maintained and non-maintained operation. At 5 seconds, any stored errors are cleared. At 10 seconds, the green and red LEDs turn on steadily. The mode change is completed when the button is released.

- When switching from maintained to non-maintained, the red LED flashes once.
- When switching from non-maintained to maintained, the red LED flashes twice.

Perimeter Lighting (Blue LED)

To enable or disable perimeter lighting, hold the TEST button until the yellow LED lights up for the third time (approximately 25 seconds), then release the button immediately.

Brightness Adjustment (Emergency Mode Only)

While the luminaire is in emergency mode, hold the TEST button for 5 seconds to reduce the brightness to 30%. Hold the button for another 5 seconds to return the brightness to 100%.

Light Sensor

The light sensor operates only when the luminaire is supplied by the mains. To ensure proper functionality, the luminaire must not be installed in locations with strong direct illumination. It should maintain a minimum distance of 0.5 m from any other light source or wall, and at least 1.5 m from the ceiling.

To enable or disable the light sensor, press and hold the TEST button for 15 seconds. During this time, the device provides status feedback: at 5 seconds any stored errors are cleared, at 10 seconds the green and red LEDs turn on, and at 15 seconds the yellow LED lights up to confirm the change of state.

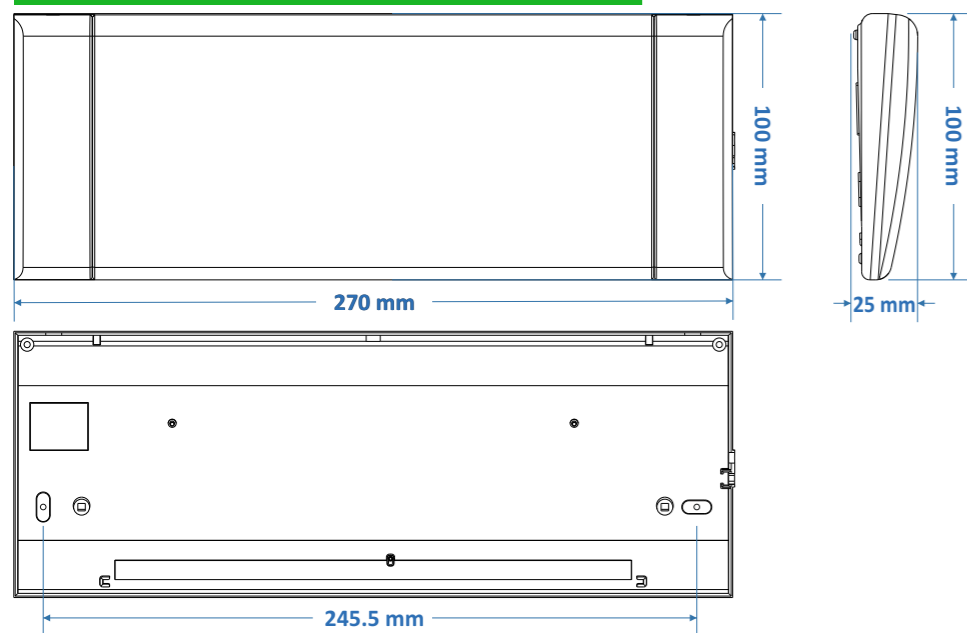
- When the sensor is deactivated, the yellow LED flashes once.
- When the sensor is activated, the yellow LED flashes twice.

IRT200A Remote control (Upon Request)

All functions of the TEST button can also be performed using the remote control, which is available upon request. In addition, the remote control provides extra functions that are not available through the TEST button. To view all remote control features in detail, scan the QR code below.



Dimensional drawing



Pictogram Installation



The luminaire can also be used as an exit sign. Attach the appropriate pictogram to the luminaire. The package includes three pictograms (Part No. 807002000): arrow right, arrow left, and arrow down. Additional directions and symbols can be produced upon request.

Note! If the luminaire is used as an exit sign, the installer must mark the letter "G" on the technical characteristics label or imprint.

X | 1 | A B | 120

Battery Replacement

The battery replacement must be performed by qualified personnel and only after disconnecting the luminaire from the mains power supply.

Step 1. Follow Step 1 of the installation instructions.

Step 2. Remove the four screws holding the diffuser (glass) and then remove the reflector.

Step 3. Disconnect the battery connector from the main PCB.

Step 4. Connect the new battery, ensuring it has the same technical specifications.

Step 5. Reassemble all components.

NOTE: LED= Light Emitting Diode

LABELING EXPLANATION:

X: Self contained

1: Maintained/Non maintained operation (*)

A: Including test device

B: Including remote test mode

G: Internally illuminated safety sign

120: 2 hours duration

(*) **Maintained operation:** The luminaire lights its illumination source, when it is powered by the mains power supply or not.

Non Maintained operation: The luminaire lights its illumination source, only in power supply's failure.

ATTENTION

The light source of this luminaire is not user replaceable. When the light source reaches its end of life the whole luminaire shall be replaced.



CAUTION! Do not look directly at the light source with your eyes.

Waste Electrical and Electronic Equipment

This symbol indicates that this product must not be disposed of with household waste. Instead, it should be taken to an appropriate collection point for the recycling of electrical and electronic equipment, in accordance with local laws and regulations. Proper disposal helps protect the environment and human health from potential hazards. The batteries of the product must also be collected separately and taken to designated battery recycling points. Do not incinerate them.

Disassembly Information

For the complete disassembly procedure of this product, please scan the QR code.



Technical Characteristics

MODELS	GR-2000
OPERATION VOLTAGE	220-240V AC/DC, 50-60Hz
MAXIMUM POWER CONSUMPTION	3.7W / 8.2VA
BATTERY (Ni-MH)	3.6V / 1 Ah
BATTERY PROTECTION	Deep discharge and overcharge protection The control gear will recharge the battery normally after the test of 22.3
INDICATIONS / CONTROL	CHARGE, Lamp Fault, Batt. Fault / TEST BUTTON
CHARGING TIME	24 ώρες
MINIMUM DURATION	2 - 7 hours (Depending on the LED brightness setting)
LIGHT SOURCE	LED (CCT: 5000K), Projected LED Lifetime: 100,000 hours (L70)
LIGHT SOURCE LUMINOUS FLUX (MAINS)	125 lm
LIGHT SOURCE LUMINOUS FLUX (EMERGENCY)	125 lm
DEGREES OF COVER PROTECTION	IP40
IMPACT PROTECTION RATING	IK08
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3
VIEWING DISTANCE (As exit sign)	18m
OPERATION TEMPERATURE RANGE	0 to 40 °C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIAL	ABS/PC
CONSTRUCTION COLOR	White (RAL9010), Silver (Side Covers)
DIMENSIONS	270 x 100 x 25 mm
MOUNTING METHODS	Wall Mounting
WEIGHT	340 g
GUARANTEE	3 years (1 year for the battery)

LED Characteristics

MANUFACTURER	Olympia Electronics S.A.
MODEL NUMBER	3107103
VOLTAGE RANGE	8.5 - 10.5V DC
NOMINAL POWER	980mW
CONNECTIONS	Permanent wiring connection
TEMPERATURE	Max. 47 °C across the board

Accessories (Upon Request)

927200000 A-2000/W Set of right - left decorative covers for GR-2000 (White color)
927200001 A-2000/B Set of right - left decorative covers for GR-2000 (Bronze color)
927200004 A-2000/BLACK Set of right - left decorative covers for GR-2000 (Black color)
927200100 IRT200A Remote control for GR-2000 (15 buttons)

Terms of Sales - Technical Support



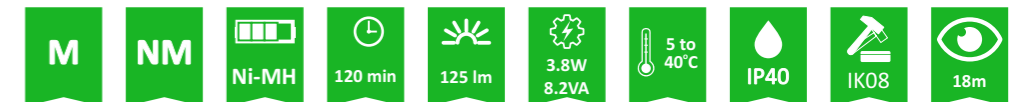
Help Center



72nd km. O.N.R. Thessaloniki-Katerini
P.C. 60300 P.O. Box 06 Eginio Pierias Greece
www.olympia-electronics.com
info@olympia-electronics.com



MAINTAINED/NON-MAINTAINED EMERGENCY LUMINAIRES



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