

COMMON TO EMERGENCY SPOT LIGHT WITH LED's CONVERTER



TECHNICAL CHARACTERISTICS	GR-76-1
OPERATION VOLTAGE	220-240V AC/50-60Hz
MAXIMUM POWER CONSUMPTION	28VA (with 4 spot lights)
BATTERY (Ni-MH)	3.6V/1.5Ah
BATTERY PROTECTION	From overcharge and full discharge
INDICATIONS	Battery charging LED (optional)
CHARGING TIME (maximum)	24 h
MINIMUM AUTONOMOUS DURATION	Depending by the load and the battery
OUTPUTS	1-2 outputs to drive spots up to 6W and 2-3 outputs for the battery charging LED
DEGREES OF COVER PROTECTION	IP 20
PRODUCED IN ACCORDANCE WITH	EN 55015, EN 61547, EN 61000-3-3, EN 61000-3-2, EN 60598-1, EN 60598-2-22
OPERATION TEMPERATURE RANGE	0 to 40 °C
RELATIVE HUMIDITY	Up to 95%
CONSTRUCTION MATERIALS	Bayblend FR3010
EXTERNAL DIMENSIONS	148 x 40 x 31 mm
TYPICAL WEIGHT	100gr.
GUARANTEE	3 years (1 year for the battery)

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GENERAL

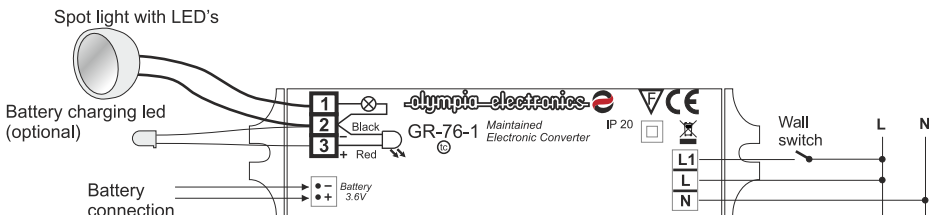
The GR-76-1 is an electronic device to convert common to emergency spot lights with led's. It offers one connector to connect the external battery. The operating microprocessor manage with the best way the battery charging and discharging process to offer long life to the battery. In case of a mains power supply failure the device turns to emergency operation supplying the spots with battery power. In terminal blocks 1-2 can be connected up to 4 spots. The amount of the spot lights determines the autonomy of the device depending by the battery's capacity. In the mains terminal blocks there is the L1 contact that is used to control the spot light's output. If the L1 contact is unconnected, the spot light will not light and if it is connected (usually thru a wall switch), the spot light will light.

INSTALLATION

To install the luminaire follow the installation instructions below.

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. It is sugested to check every 6 months the minimum autonomous duration by disconnecting the mains power supply. Count the time that the lamp lights and in case of less time than the minimum autonomous duration the battery must be replaced. If the measured time is considerably less than the minimum autonomous duration contact the installer. In case of battery or light source 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, they must be discarded only in battery recycling points. Do not incinerate.**



GR-82/12V (AC-DC)

“SPOT LIGHT” SERIES



TECHNICAL CHARACTERISTICS

OPERATION VOLTAGE	12V DC	12V AC
MAXIMUM POWER CONSUMPTION	1W	1.5VA
ILLUMINATION	35lm	40lm
DEGREES OF COVER PROTECTION	IP 40	
PRODUCED IN ACCORDANCE WITH	EN 60598-1	
OPERATION TEMPERATURE RANGE	0 to 40 °C	
RELATIVE HUMIDITY	Up to 95%	
CONSTRUCTION MATERIALS	Bayblend FR3010, transparent polycarbonate	
EXTERNAL DIMENSIONS	78 (diameter) x 50 (height) mm	
TYPICAL WEIGHT	60gr.	
GUARANTEE	3 years	

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GENERAL

These spot lights are produced with new technology power LED's with low consumption. You may order the spot light with decorative rosette A-82/G (gold color) or the A-82/SL (silver-perl pink color).

ATTENTION!!!

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

INSTALLATION

To install the spot light follow the installation instructions below:

ELECTRIC CONNECTION

1. Connect the power supply wires.

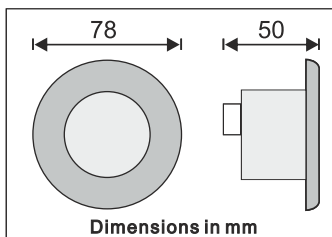


Figure 1

Mounting the GR-82/12V in suspended ceiling

Set up the GR-82/12V to the suspended ceiling as it is shown to figures 2, 3 and 4:

Step 1

Bend the springs, to get into the hole of the suspended ceiling, as you can see to the next figure.

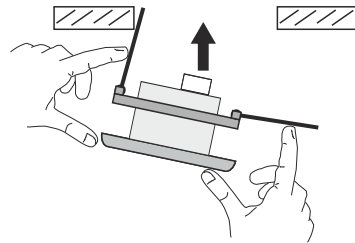


Figure 2

Step 2

Push up the mounting base, as shown in figure 2, and then bend the springs .

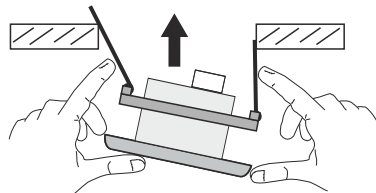


Figure 3

Step 3

Continue to push upwards and the spot locks.

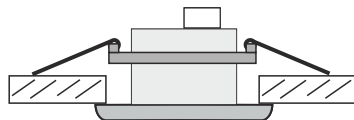


Figure 3