

**WATERPROOF MAINS EMERGENCY CEILING MOUNTED LUMINAIRES**



**TECHNICAL CHARACTERISTICS** (for LED MODULE specifications see page 1)

	<b>GR-480/CBS/WP</b>	<b>GR-481/CBS/WP</b>
OPERATION VOLTAGE	120-240V AC / DC	
MAXIMUM POWER CONSUMPTION	3.2W/4VA	
LIGHT SOURCE	1 white power LED	
LIGHT SOURCE INTENSITY	270lm	
DEGREES OF COVER PROTECTION	IP65	
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	5 to 40 °C	
RELATIVE HUMIDITY	Up to 95%	
CONSTRUCTION MATERIAL	ABS/PC, PC	
EXTERNAL DIMENSIONS	158 x 158 x 60.4mm (without decorative bezel)-195 x 195 x 60.4 (with decorative bezel)	
WEIGHT	355 gr.	
GUARANTEE	3 years	

**Thank you for your trust in our products  
Olympia Electronics - European manufacturer**

**GENERAL**

These luminaires are used in places where emergency luminaires (CBS) are needed. The GR-480/CBS/WP is suitable for corridors lighting and the GR-481/CBS/WP for open area lighting.  
Each luminaire must be permanently connected to mains power supply.

**ATTENTION!!!**

1. Operations for installation, maintenance or testing must be done by authorized personnel only.
2. The device must be connected to the mains power supply through a fuse dependent by the total amount of the line's power load.

**LED MODULE CHARACTERISTICS**

	<b>GR-480/CBS/WP</b>	<b>GR-481/CBS/WP</b>
Manufacturer	Olympia Electronics S.A	
Model Number	2806183	
Voltage Range	2.8-3.1V DC	
Nominal Power	1W	
Connections	Fixed connection between main pcb and led module	
Temperature (tc)	50 °C max. across the board	

**ATTENTION!!!**



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

**NOTE:** LED= Light Emitting Diode

**LABELING EXPLANATION:**

**Z:** Central supply

**1:** Maintained(\*)

**E:** With non-replaceable lamp(s)

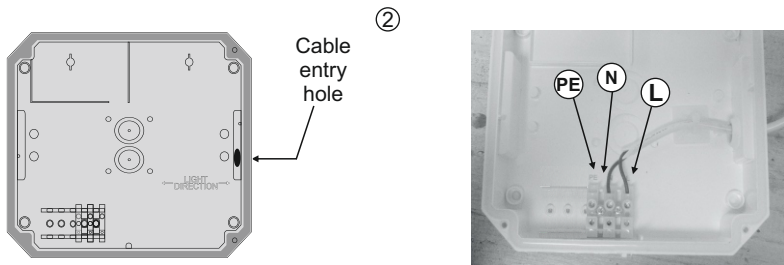
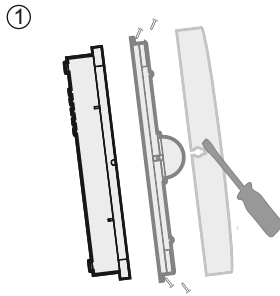


**CAUTION : Do not view directly with bare eyes**

(\*) 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.

## INSTALLATION INSTRUCTIONS

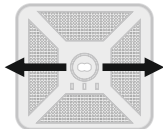


### Initial installation

1. Detach the front cover by applying pressure using a flat blade screw driver. Next, unfasten the four retaining screws without removing them and remove the diffuser.
2. Install the cable grommet in the open hole of the plastic base and open a hole in the center of the grommet using a small screw driver. Pass the power cable through the hole in the grommet (If required, open another cutout cable entry hole and install the second supplied cable grommet). Connect the cables as shown in the photograph. Use the supplied self adhesive pad and cable tie to anchor the cable.
3. Reinstall the diffuser and re-tighten the 4 screws in a diagonally manner with a torque of  $0.9 \text{ N}\cdot\text{m}$ .

### GR-480/CBS/WP

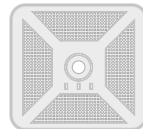
Corridor  
lighting



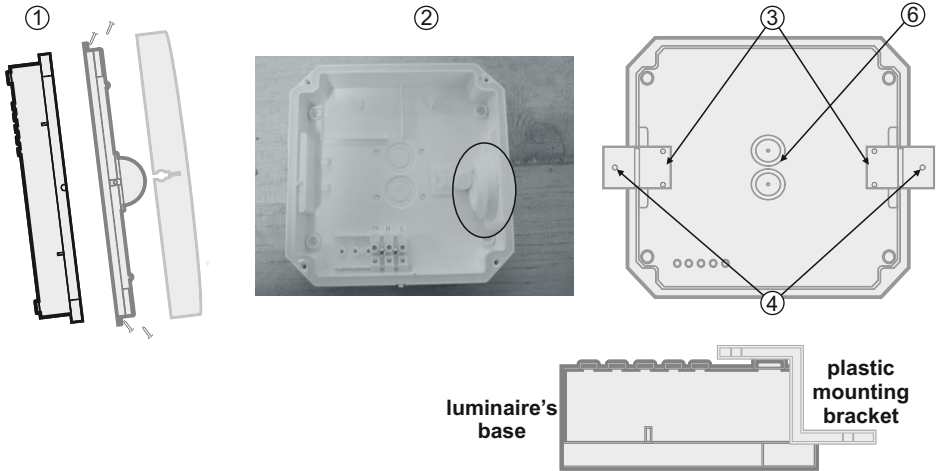
**ATTENTION!!!**  
*During installation follow this light  
direction.*

### GR-481/CBS/WP

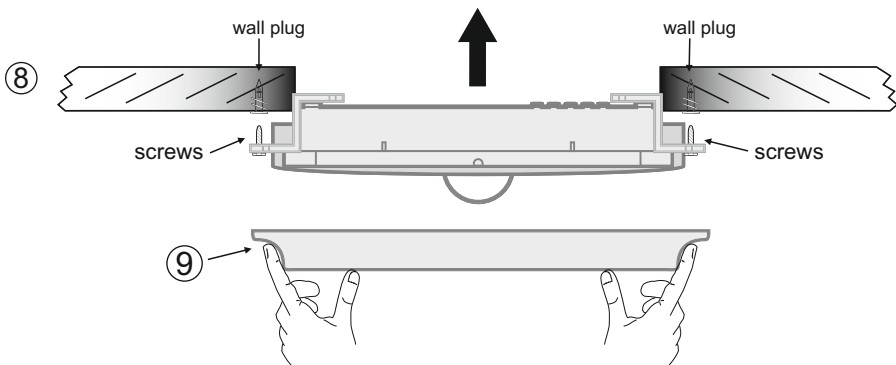
Open  
area  
lighting



## MOUNTING IN SUSPENDED CEILING

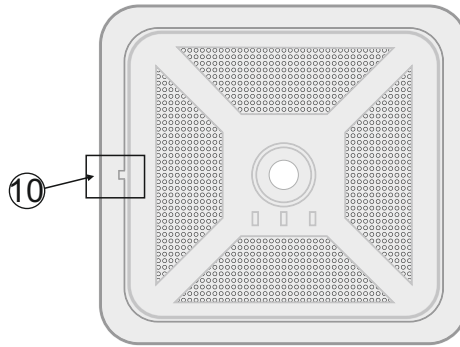


***Required opening  
14.5x14.5cm***

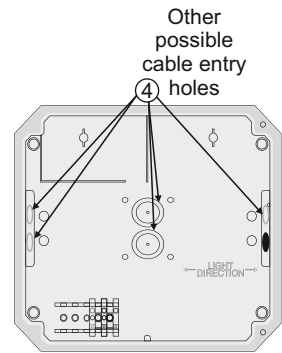
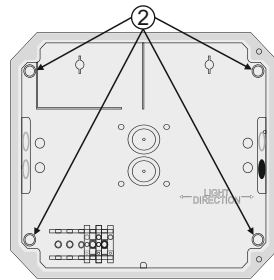
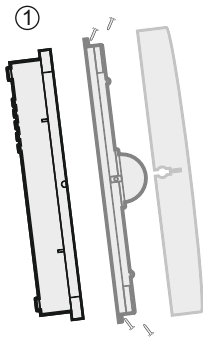


1. Detach the front cover by applying pressure using a flat blade screw driver. Next, unfasten the four retaining screws (Figure 1) without removing them and remove the diffuser.
2. Install the supplied cable grommet from the inside of the plastic base (Figure 2).
3. Install the two plastic brackets with the four screws (Figure 3).
4. Mark the positions of the mounting holes on the brackets.
5. Install the two supplied plaster board plugs by screwing them on the plaster board ceiling.
6. Open a cable entry cutout hole on the plastic base and follow step 3 in the **"initial installation"** section.
7. Re-install the front cover that was removed in step 1.
8. Use the supplied screws to fasten the luminaire to the plaster board plugs (Figure 8) that were previously installed on the plaster board ceiling.
9. Finally, install the supplied decorative bezel (Figure 9). The notch on the bezel must be located on the left side of the luminaire (Figure 10).

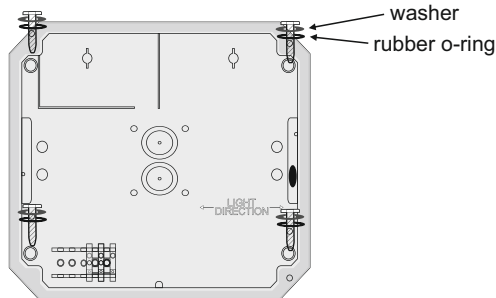
## MOUNTING IN SUSPENDED CEILING



## SURFACE MOUNTING



⑤



1. Detach the front cover by applying pressure using a flat blade screw driver. Next, unfasten the four retaining screws without removing them and remove the diffuser.
2. Use a drill with a 3,5mm bit to open the 4 mounting holes (Figure 2) located in the plastic base..
3. Place the luminaire on the desired mounting location and mark and drill these 4 holes. Fit the supplied 4 plastic mounting plugs to these drilled holes on the mounting location.
4. If the cable entry hole is not suitable then use one of the supplied cables grommets to cover the holes and open another cable entry cut out hole (Figure 3). Follow step 3 of the "initial installation procedure".
5. Mount the base to the desired location by using the supplied screws, washers and o-rings in each mounting hole (Figure 5).
6. Re-install the cover that was removed in step 1.

**WARRANTY**

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid.

Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

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