

EDGE ILLUMINATION SIGN FOR CBS 230V



TECHNICAL CHARACTERISTICS (for LED MODULE Specifications see page 1)

	LLB-26/CBS	LLB-40/CBS	LLB-64/CBS
Mains voltage	140-250V AC / DC		
Maximum power consumption	2.3W/2.8VA	3.4W/3.8VA	5.8W/6.2VA
Illumination source	White LEDs		
Light source intensity	255lm	410lm	670lm
Degrees of cover protection	IP 44		
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	-30 to 50 °C		
Relative humidity	up to 95%		
Viewing distance	26 m	40 m	64 m
Construction materials	Aluminum, ABS/PC, PC, Acrylic plate		
External dimensions	287 x 205 x 55 mm	435 x 280 x 55 mm	673 x 400 x 55 mm
Typical weight	776 gr.	1274 gr.	2327 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. Each luminaire must be permanently connected to mains power supply.

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.

ATTENTION!!!

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

LED MODULE CHARACTERISTICS

	LLB-26/CBS	LLB-40/CBS	LLB-64/CBS
Manufacturer	Olympia Electronics S.A		
Model Number	2405185	0204185	2605185+2705185
Voltage Range	14 - 16.5VDC		
Nominal Power	4.5W	7.2W	11.7W
Connections	Non reversible connection between main pcb and led module		
Temperature (tc)	45 °C max. across the board		50 °C max. across the board



The light source contained in this luminaire shall only be replaced by the manufacturer, or his agent, or a similar qualified person.

NOTE! The light source is non-user replaceable.

NOTE: LED= Light Emitting Diode

LABELING EXPLANATION:

Z: Central supply

1: Maintained(*)

G: Internally illuminated safety sign

(*) 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

ELECTRICAL CONNECTIONS (after the mains interruption)

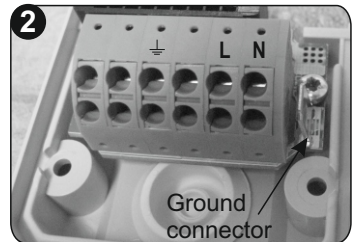
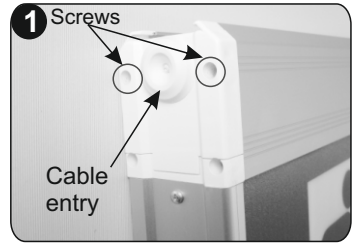
- ① Unfasten the two side cover screws and remove the plastic cap by sliding it gently.
- ② Install the gasket and make a hole in the center by using a small screwdriver. Pass the round cable through the gasket.
- ③ Connect the mains cables to the respective terminal block. **N for neutral, L for live wire and the $\perp$ for ground connection.**
- ④ **ATTENTION!!** Make sure that the ground cable is attached to the respective ground connector. Replace the removed parts in the previous steps.

SURFACE MOUNTING ON A WALL (single sided)

- ⑤ Install the included plastic bracket on the wall (Figure 1). Remove the aluminum bracket from the luminaire and use the two supplied mounting screws to install the aluminum bracket to the plastic bracket (Figure 2). Slide the luminaire to the aluminum bracket and use the bolt on the center (*), to stabilize the luminaire (Figure 3).

CEILING MOUNTING (double sided)

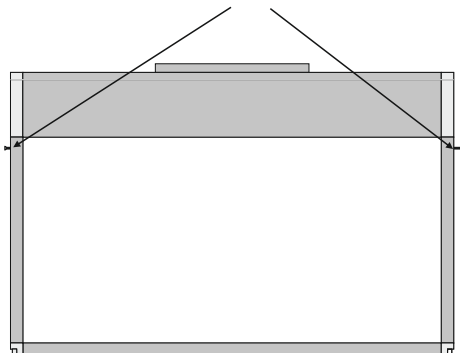
- ⑥ Remove the aluminum bracket from the luminaire and install it with the included spacers, screws and plugs in the ceiling (page 3). Slide the luminaire to the aluminum bracket and use the bolt on the center (*), to stabilize the luminaire (Figure 4).
- ⑦ Power on the device at the end of the installation.



(*) First, hand tighten it and then, use pliers to tighten it little bit more (not all the way).

INSTALLATION PICTOGRAMMS

1. Unfasten the two screws of the luminaire.



2. Insert the pictogram after removing the protective film from the back side.



3. Carefully fit the top aluminium cover and reinstall the retaining screws.

MOUNTING METHODS

SURFACE MOUNTING ON A WALL (single side luminaire)

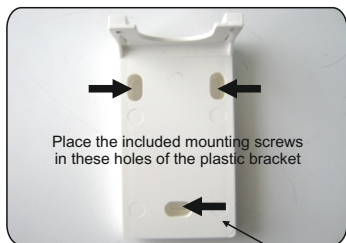


Figure 1

Plastic bracket

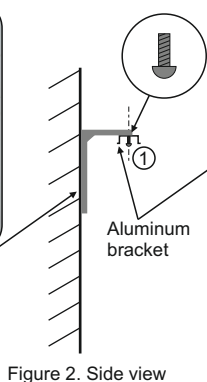


Figure 2. Side view

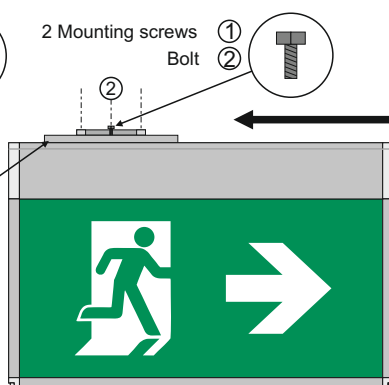
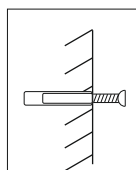


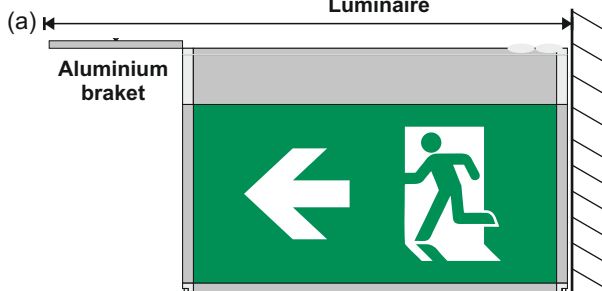
Figure 3. Front view



GENERAL!!

Measure the distance of the mounting holes and after the drilling place on these spots the mounting plugs and fasten the base with the mounting screws.

SIDE WALL CLEARANCE



Depending on the size of the luminaire the distance from the side wall must be more than:

(a): LLB 26/CBS: 440mm

LLB 40/CBS: 580mm

LLB 64/CBS: 820mm

CEILING MOUNTING (double side luminaire)

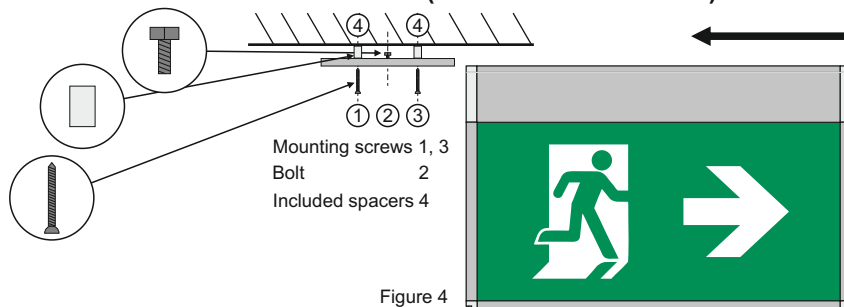
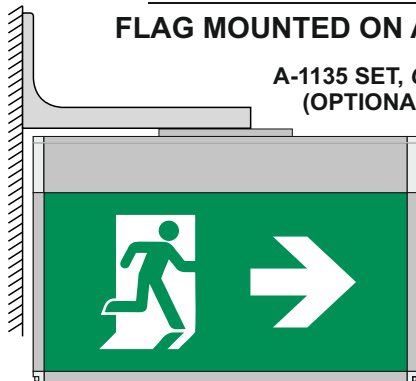


Figure 4

ALTERNATIVE MOUNTING METHODS

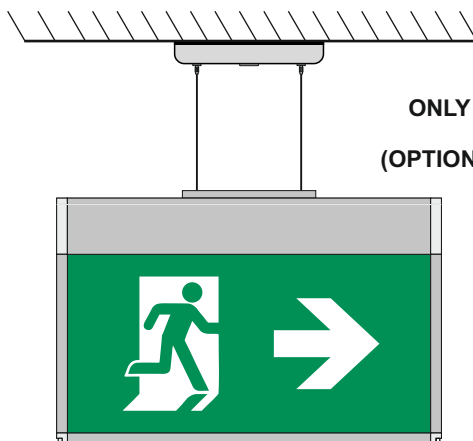
FLAG MOUNTED ON A WALL (double side luminaire)

**A-1135 SET, ONLY FOR LLB-26/CBS
(OPTIONAL AFTER REQUEST)**



HANGING INSTALLATION (double side luminaire)

**A-1136 SET,
ONLY FOR LLB-26/CBS &
LLB-40/CBS
(OPTIONAL AFTER REQUEST)**



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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