

Emergency bulkhead

Data sheet

For Series: OT-OLB3S Standard



OTC IND CO., LTD

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Dear partners,

* Thanks for Choosing OTC emergency lamp for your projects.

OTC always pursue high quality, steady quality products, competitive price and one-stop customer service, and offer enjoyable installation experience.

* All the OTC bulkheads with 5 years quality guarantee . If any doubts/ questions, please contact OTC project support team directly by email support@otcind.net . You will get solutions in 7~24 hours rapidly.

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1 Security related information

- Installation should be carried out in accordance with the latest edition of the I.E.E. Wiring regulations and taking into consideration the latest building regulations.
- Ensure that all electrical connections are tight with no loose strands, including factory made connections.
- Ensure there is adequate free air circulation of at least 100mm around the luminaire. It is the installer's responsibility to consider fire risk and take appropriate precautions.
- A separate enclosure may be required if this unit is to be used in dusty and wet environments.

Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations . The guarantee is also invalidated if the luminaire has been I.R. tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.

2 Packing list



The Lamp *1



Installation pack *1



The Legend *1 set

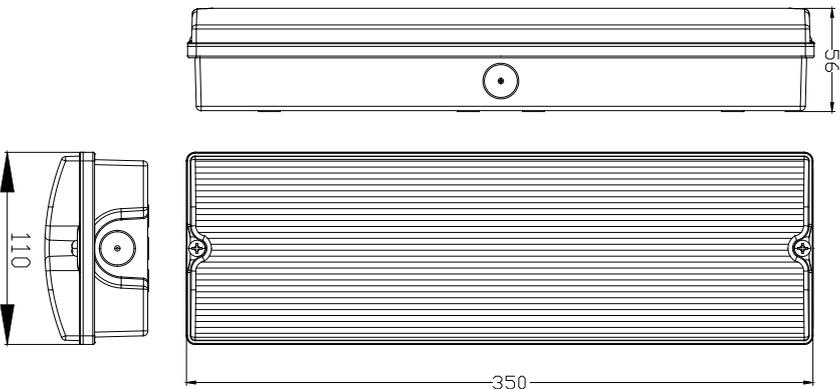


User manual *1

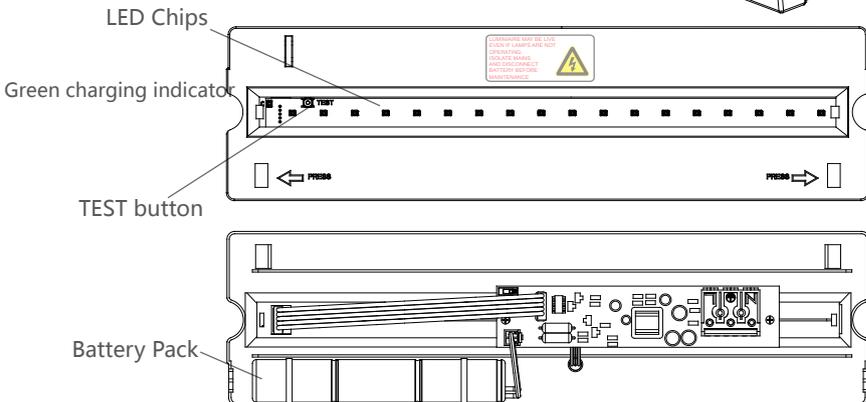
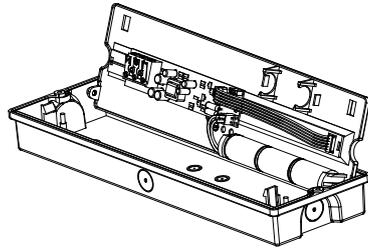
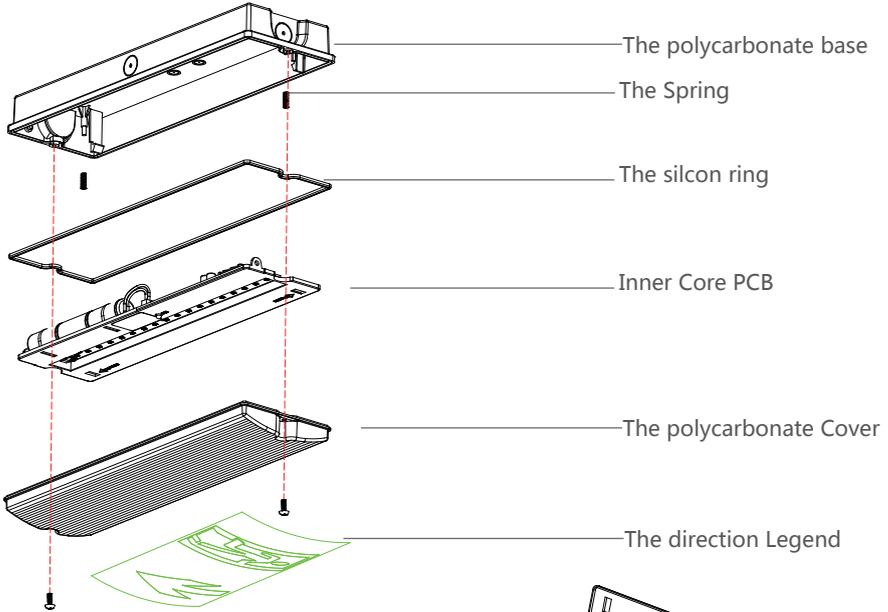
3 Basic Parameters

Model	Art Nr. OT-OLB3S standard
	18N
Material	100% polycarbonate
LED Chips	18pcs 2835
Input Voltage	AC200-240V 50/60HZ
Total Input Power	1.5W if non-maintained mode / 4.0W if maintained mode
Luminous Flux In AC mode	OFF if non-maintained mode / 100Lm if maintained mode
Luminous Flux In EM mode	120Lm
Color Rendering Index	>80
CCT	3000/4000/6000 available
Battery pack	3.6V 1.2Ah Ni-Cd
Degree of protection	IP65
Power factor	0.5
Warm up time	<0.1S
LED lifespan	50,000 hrs
Beam angle	120°
Standard	60598-2-22:2021 & EN62034
Standard of Legend	ISO7010 & ISO3864-1/4
TEST	manual test
Charging indicator	Green
Faulty indicator	No this indicator
Guarantee	4 Years

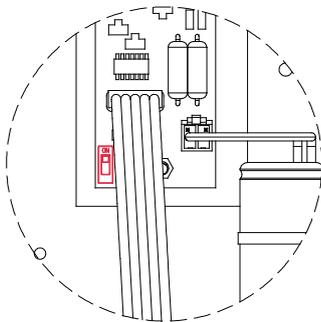
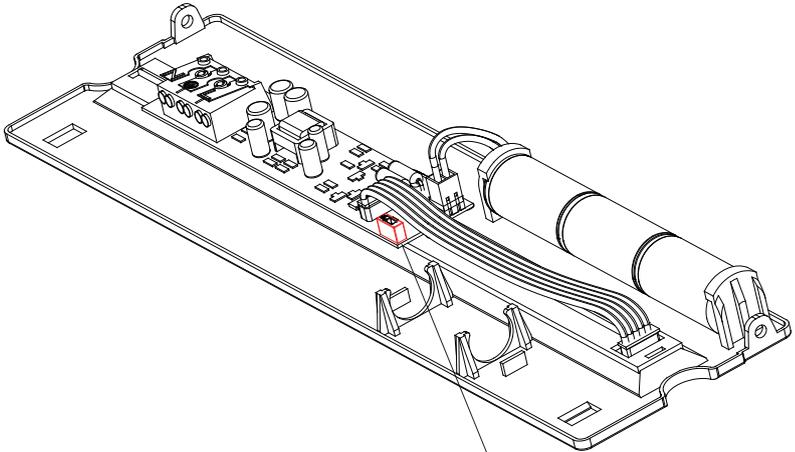
INNOVATING YOUR PROJECTS



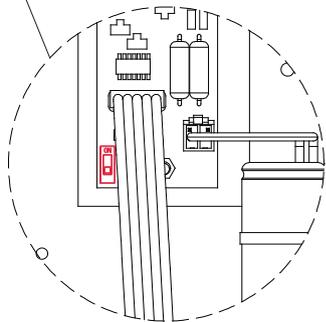
4 General construction



5 Maintained & non-maintained changeover



a) Maintained



b) Non-Maintained

Maintained & Non-maintained work mode

The OT-OLB3S series can work both in maintained and non-maintained mode.



a) Dip switch ON. It works in maintained mode;



b) Or it works in non-maintained mode.

6 Emergency function

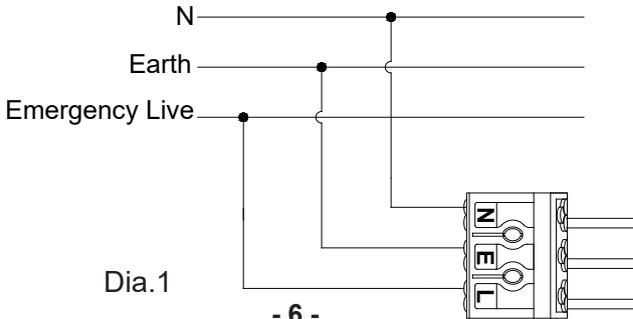
Emergency Technical Data	
Battery Type	Ni-CD 3,6V 1.2/1.8Ah
Battery Charging	60mA, Charging >90% in 24 hours
Discharging	200mA, >3hours autonomy time
Test Button	Included
Self-test	Included
Charging Indicator	Green LED
Faulty Indicator	No this function
Remote test	No this function
Standard	IEC60598-2-22:2021

ADDITIONAL INFORMATION - COMPONENT REPLACEMENT

- The luminaire contains no user replaceable components other than the battery pack contained in emergency versions.
- The battery has a 4 year service life provided it is operated and maintained by regular testing, as detailed in this User manual. Failure to maintain or change the battery may result in reduced duration in emergency mode.

Emergency function test before installation

1. Connect the AC cable according to the Dia 1. Keep the Switch Live off, and battery plugged on.
(The green charging indicator on, Faulty indicator off)
2. Press the test button, The charging indicator off, and emergency function activated
3. Unplugged the battery, charging indicator OFF, the faulty indicator flash in 1HZ.

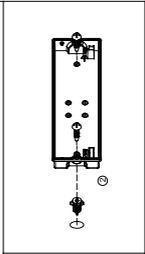
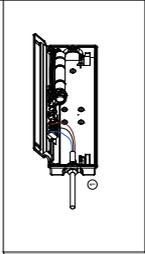
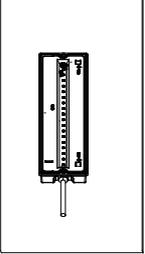
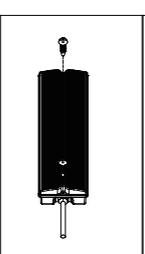


7 Installation guide

1. All OTC LED bulkheads are designed for projects. Only qualified electrician can install or maintain it.
2. The mains have to be off during the installation or maintenance.
3. Keep the product far from heat sources and in a well ventilated area.



Caution

 <ol style="list-style-type: none"> 1. Mains OFF 2. Knock out the cable hole. 3. Install the base on the wall . 	 <ol style="list-style-type: none"> 1. Fix power cable by M20 2. Connect the cable to driver. 3. Connect the battery pack 4. Chose right work mode by dip switch 	 <ol style="list-style-type: none"> 1. Fix the middle plate 	 <ol style="list-style-type: none"> 1. Fix the diffuser. 2. Mains on and test the lamp
STEP 1	STEP 2	STEP 3	STEP 4

Luminaire emergency inspection record

month	Test	First Year		Second Year		Third Year		Fourth Year		Fifth Year	
		Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1	Functional										
2	Functional										
3	Functional										
4	Functional										
5	Functional										
6	1 hour										
7	Functional										
8	Functional										
9	Functional										
10	Functional										
11	Functional										
12	3 hours										

Installed By: Installed Date: Luminaire NO.:

Luminaire Location: Contact details:

9 Cheap solution DIY



WARNING

1. All OTC emergency lights are designed according 60598-1 and 60598-2-22:2014 strictly. There is no trouble if you chose OTC products for bidding projects, including project acceptance, monthly, annual inspection.
2. If you only need sell it online/ install in your home & there is no professional project acceptance inspection, You can chose some cheaper solutions.

NO.	DIY Items	OTC default Solutions	Cheaper solutions	Dis-advantages
1	MOQ	No MOQ, 1pcs available	1000Pcs	
2	Material of Cover	PC Plastic	PS	IK09=>IK06 Not fire resist
3	Material of Base and middle	PC Plastic	ABS	IK09=>IK07 Not fire resist
4	Battery pack	3.6V 1.2Ah Ni-Cd	3.7V Li-ion	
5	Lumen output	Constant brightness	Bright at beginning Waker in the end	Can not IEC60598-2-22:2014, 22.17.1 compliant
6	Duration time	180mins	90mins or others	According local fire department requests
7	EM work mode	Non-Maintained and Maintained in one	Only Non-maintained	According to your request No Disadvantage
8	EM driver	Isolated	CBB solution	Can not IEC61347-2-7 compliant
9	Input terminal	Easy Pull in terminal	Screw Terminal	Can not wiring conveniently
10	Installation pack	Installation pack in Page2	No installation pack	

OTC only guarantee the EM function of luminaire if DIY !

Please check the request / standard with local fire department before making decision.