

# Smart emergency light IP65

## Usermanual

For serial: OT-HLB5 Standard



OTC IND CO., LTD

TEL / Whatsapp: 0086-18057537996 | Website: [www.otcenterprise.com](http://www.otcenterprise.com) | Email: [info@otcind.net](mailto:info@otcind.net)



RoHS



Ni-Cd

Dear partners,

\* Thanks for Choosing OTC emergency facilities 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 emergency lights with 5 years quality guarantee (Battery 3 years) . If any doubts/ questions, please contact OTC project support team directly by email [support@otcind.net](mailto: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



Luminaire \*1



Installation pack \*1



Recess installation pack  
Optional



The Legend \*1 set



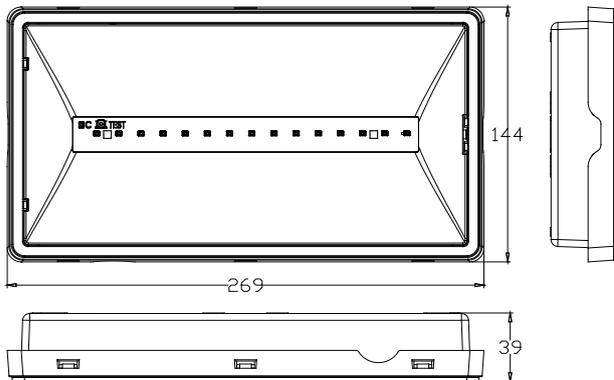
User manual \*1



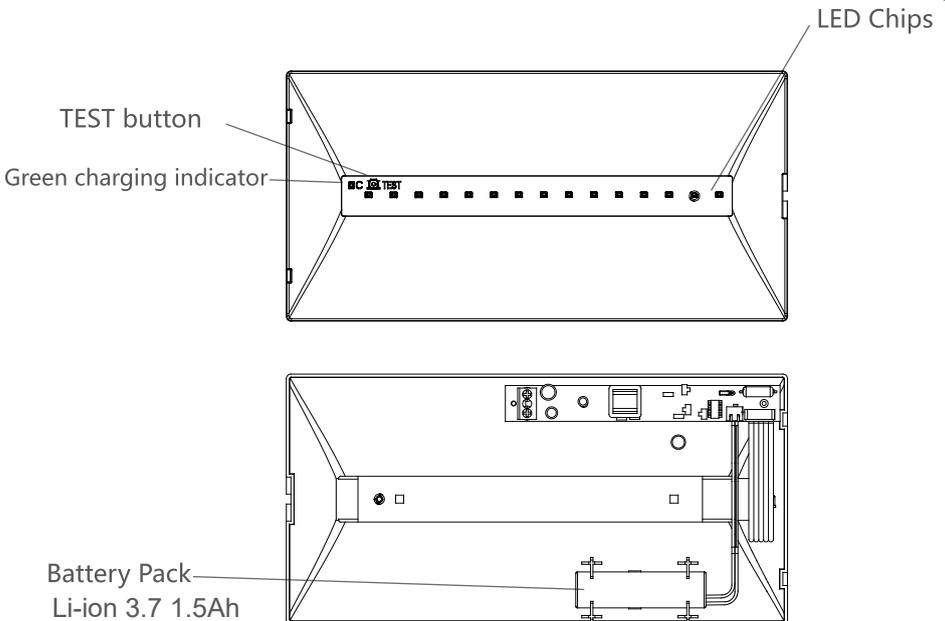
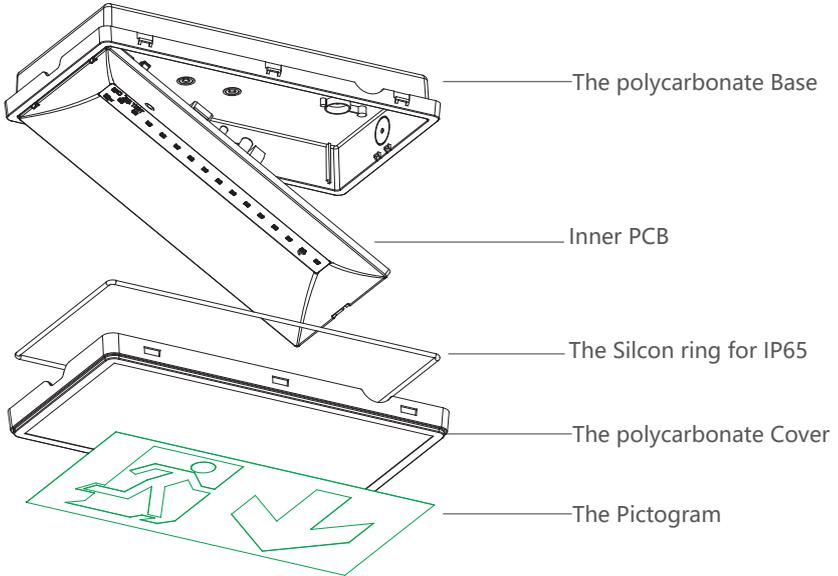
Hanging safety sign  
Optional

### 3 Basic Parameters

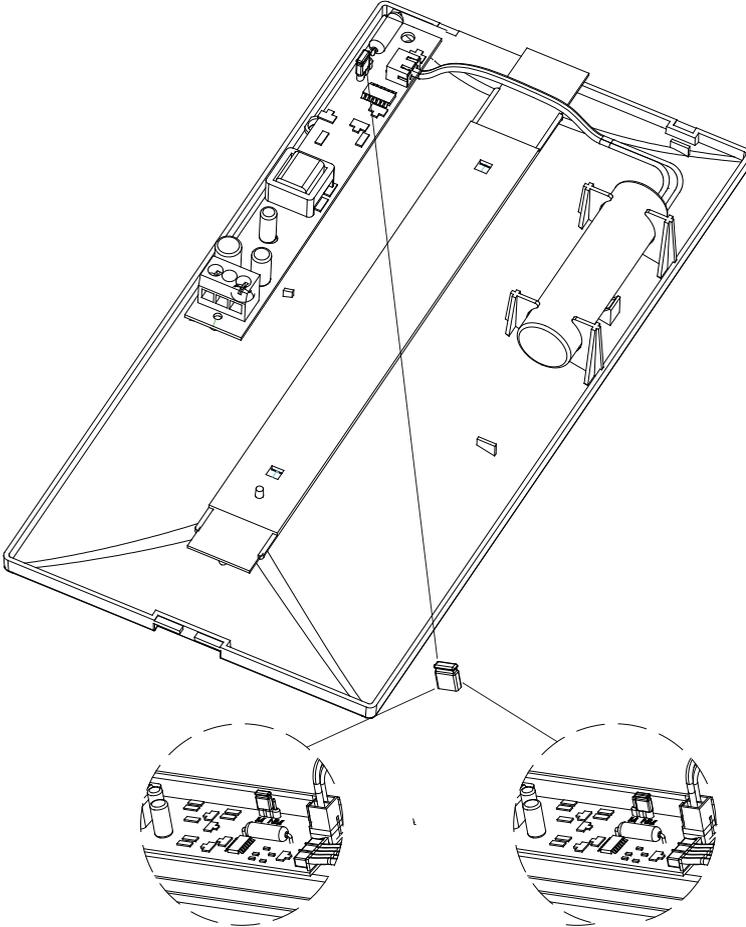
Model	Art Nr. OT-HLB5 Cheap
EM Working mode	Non-maintained and Maintained in one design (Page5)
Material	ABS base + PC diffuser
LED Chips	15pcs 2835
Input Voltage	AC200-240V 50/60HZ
Total Input Power	Non-maintained mode: 1.5W / Maintained mode:3.0W
Luminous Flux In AC mode	Non-maintained mode: 0LM / Maintained mode: 100LM
Luminous Flux In EM mode	150Lm
Color Rendering Index	>80
CCT	3000/4000/6000K available
Battery pack	3.7V 1500mAh Li-ion battery
Degree of prtction	IP65
Power factor	0.5
Warm up time	<1S
LED lifespan	50,000 hrs
Bean angle	120°
Standard	60598-2-22:2021 & IEC 61347-2-7
Standard of Pictogram	ISO7010 & ISO3864 - 1/4
TEST	Manual test
Charging indicator	Green
Faulty indicator	No this indicator
Guarantee	5 Years (Battery 3 years)



## 4 General Construction



7 Maintained and non-maintained changeover



a) Maintained

b) Non-Maintained

**Maintained & Non-maintained work mode**

The OT-HLB5 can work both in maintained and non-maintained mode.

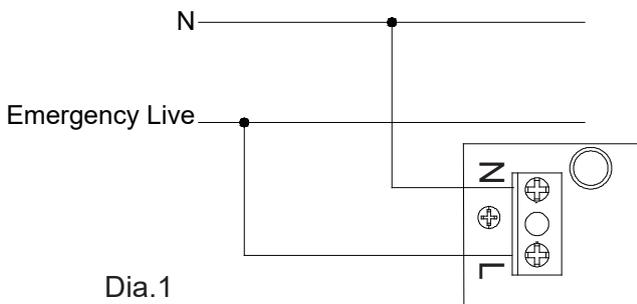
## 8 Test before installation

### 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 battery plugged on.  
Set Maintained /non-maintained mode according Page 7.
2. AC Supply on  
The Charging Indicator On  
The EM LED On if set maintained mode in step1 .  
OFF if set Non-maintained mode in step1 .
3. Press the test button, The charging indicator off, and EM LED on.
4. Unplugged the battery,  
Charging indicator OFF,



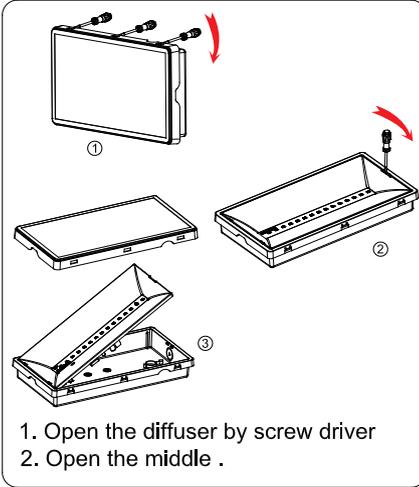
## 9 Installation guide



### Caution

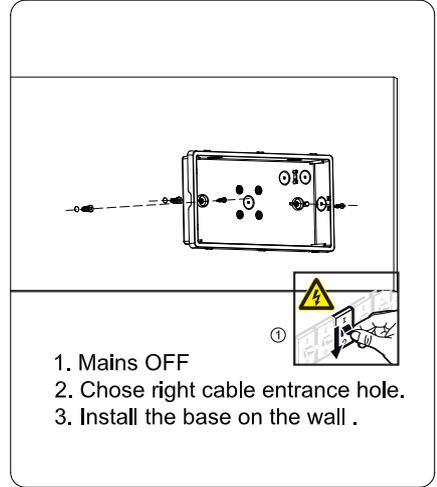
1. All OTC emergency devices are designed for projects. Only qualified electrician can install or maintain them.
2. The mains have to be off during the installation or maintenance.

### 9.1 Ceiling / wall mounting



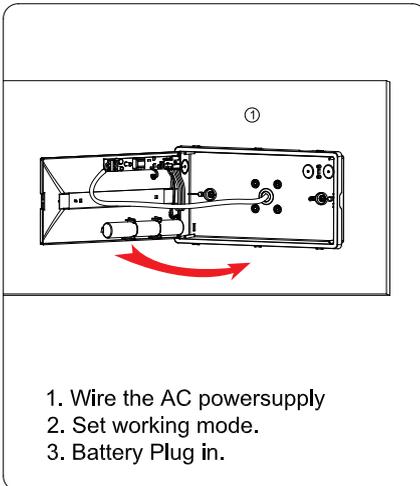
1. Open the diffuser by screw driver
2. Open the middle .

Step 1



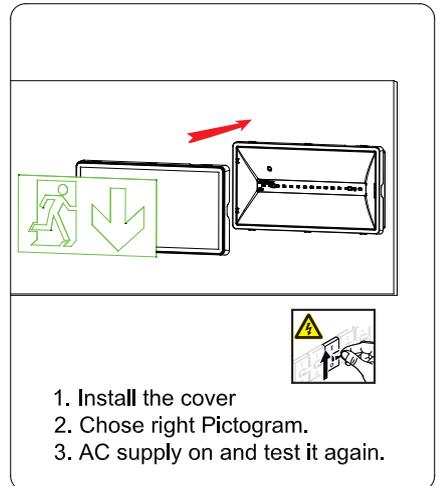
1. Mains OFF
2. Chose right cable entrance hole.
3. Install the base on the wall .

Step 2



1. Wire the AC powersupply
2. Set working mode.
3. Battery Plug in.

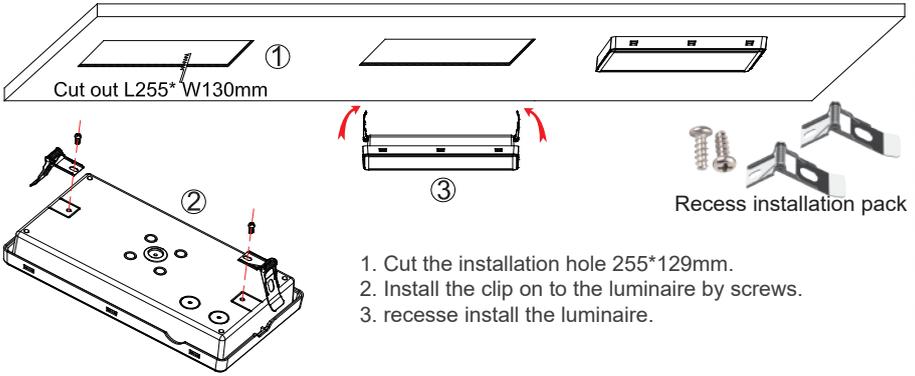
Step 3



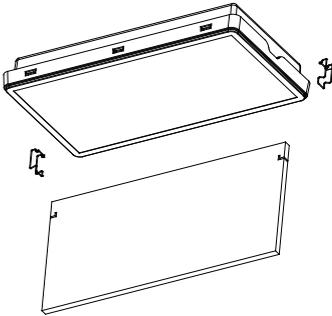
1. Install the cover
2. Chose right Pictogram.
3. AC supply on and test it again.

Step 4

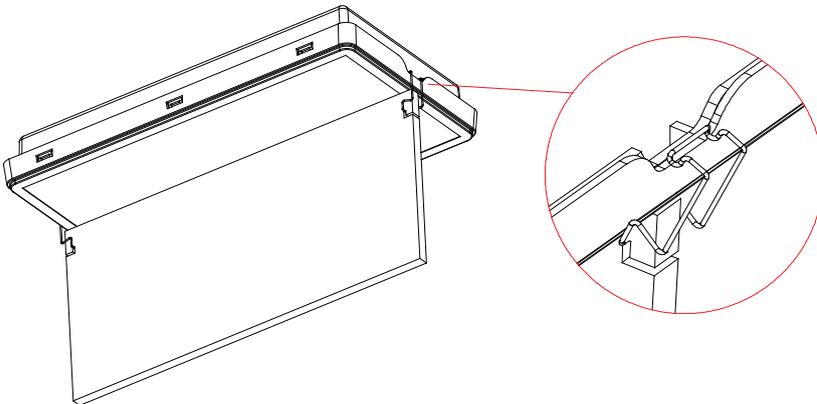
## 9.2 Recessed mounting



## 9.3 Install as exit sign



Hanging safety sign  
Accessories



## 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 Locaton: ..... Contact details: .....