

# 4-in-1 Evacuation sign

## Data Sheet

For Series: OT-ES9119\_Li Standard



OTC IND CO., LTD

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Dear partners,

\* Thanks for Choosing OTC LED emergency products 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 lamp with 5 years quality guarantee (Battery 3 years) . 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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## Contents

1 Security realated information .....	2
2 Packing list .....	2
3 Basic Parameters .....	3
4 General construction .....	4
5 Emergency function & Wiring .....	5
6 Installation guide .....	6
7 EM inspection record table .....	9

## 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



**1m hanging pack**



**OT- ES9119 \*1**

**The Cancopy\*1  
(Optional)**



**4 pieces pictograms**



**4\*30 2pcs**



**Cable Protection ring \*1**



**4\*25 1pc  
4\*8 1pc  
Side wall mounting pack**



**Cable fasten set \*1**

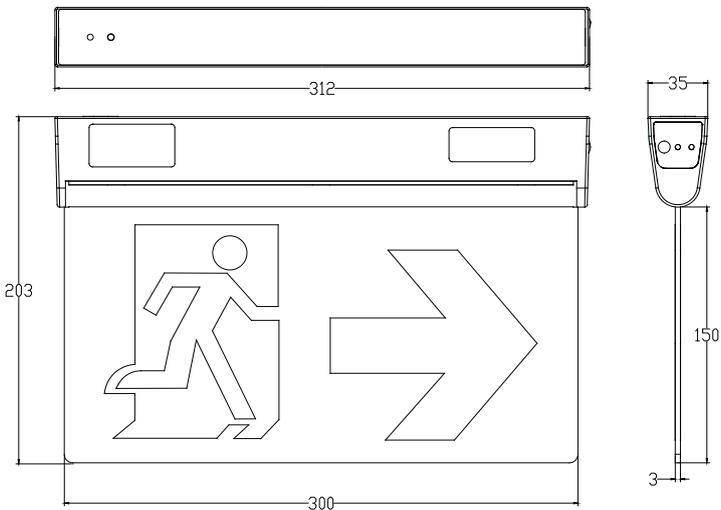
**Installation accessories**



**Usermanual**

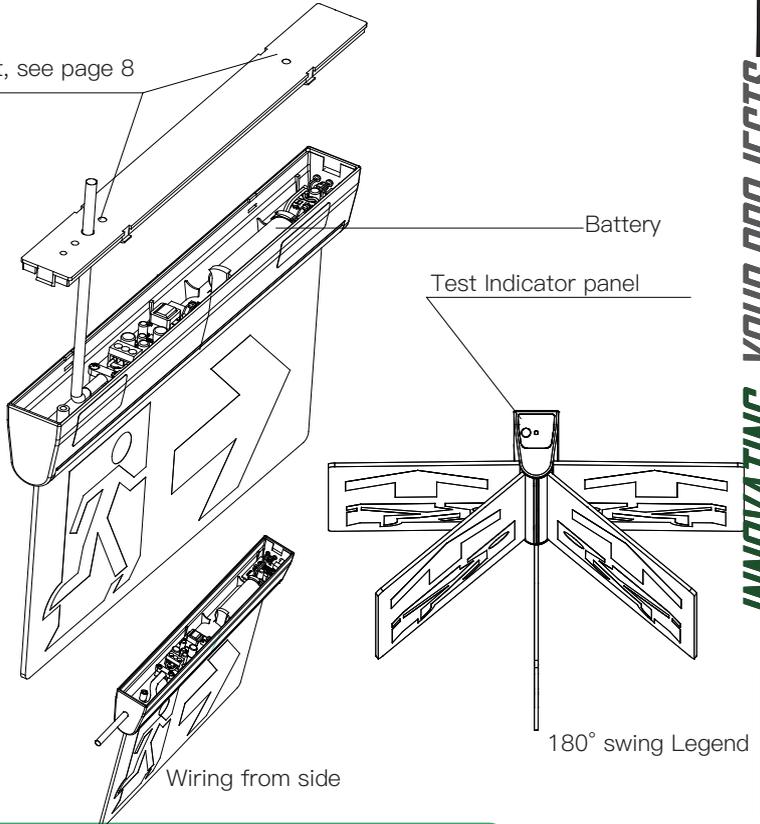
### 3 Basic Parameters

Model	Art Nr. OT- ES9119 - Li ES9119
Material	polycarbonate + PMMA
LED Chips	22 pcs SMD4014 chips
Degree of protection	IP42
Input Voltage	AC200- 240V 50/60HZ
Input power	2.5W
Power factor	>0.5
Emergency change over	<0.5S
Emergency mode	Maintained only
LED lifespan	50,000 hrs
Guarantee	5 years (Battery 2 years)
Emergency Standard	60598 - 2- 22:2021
Legend stanrdard	ISO 7010:2019
The Photonetic	ISO 3864 - 4:2011 / EN 1838 - 2013
Emergency Pack	3.7V 2.0Ah Li(CoNiMn)O2 or 3.2V 1.6Ah LiFePO4
Emergency time	3 Hours
Test	Manual test
Mains indicator	NO
Charging indicator	Green
Faulty indicator	NO
Charging details	300mA, Full charged in 12 hours
Luminous Flux(Mains)	100LM
Luminous Flux(EM)	100LM



## 4 General construction

Installation Point, see page 8



INNOVATING YOUR PROJECTS

### 4# . Rest mode & storage

4#.1 This luminaire combined rest mode.

When the AC supply failure / cut down. The EM LED on.

- If the battery over discharged, The luminaire will changeover rest mode automatically.
- You can click the ④ test button. and the luminaire also can changeove rest mode.

4#.2 Storage & transportation

- Make sure the luminaire in rest mode
- Keep the storage temperature 0~30°C
- Keep away from inflammables; keep dry & ventilation.

## 5 Emergency function & Wiring

### 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.

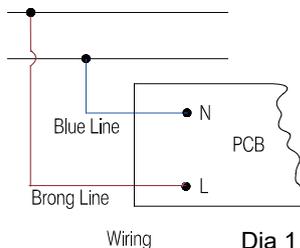
### Emergency function test before installation

1. Choose the cable wiring way according to page 4.  
Connect the AC cable according to the Dia 1.

-- The charging indicator on,

2. Press the test button, The charging indicator off, and emergency function activated.

3. Cut off the AC power supply, The charging indicator off and emergency function on.

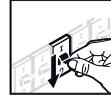


## 6 Installation guide

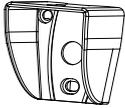


**Caution**

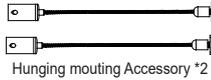
1. All OTC emergency lights are designed for projects. Only qualified electrician can install or maintain it.
2. The mains have to be off during the installation or maintenance.
3. Keep the product far from heat sources and in a well ventilated area.



### Installation pack



The Side-Wall-mounting Accessory



Hanging mounting Accessory \*2



Alligator Anchor\*2

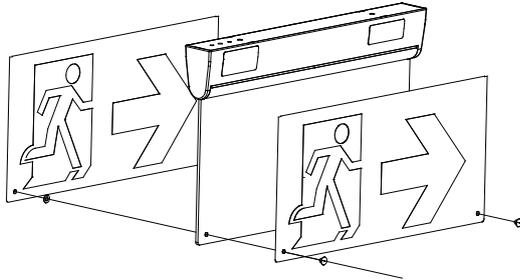
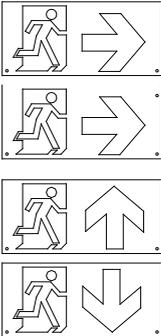


4\*30 Screws \* 2



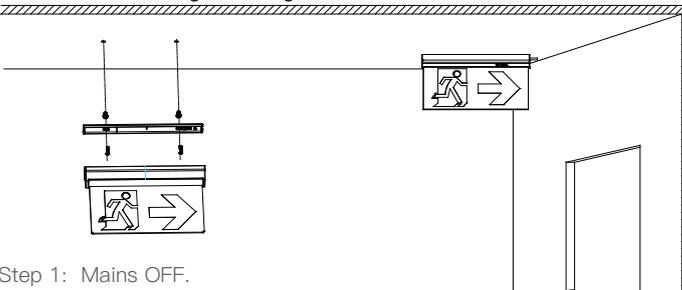
4\*8 screws\*1  
4\*25 screws\*1

### Install the PVC Legend



- 1) Chose the right PVC legend.
- 2) Install the legend by clips.

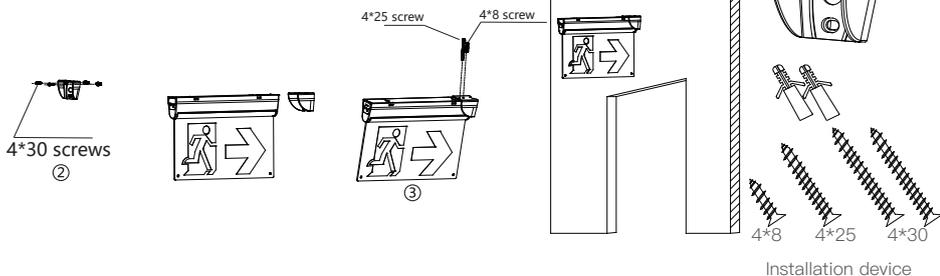
### Installation 1: Ceiling mounting



Ceiling installation device

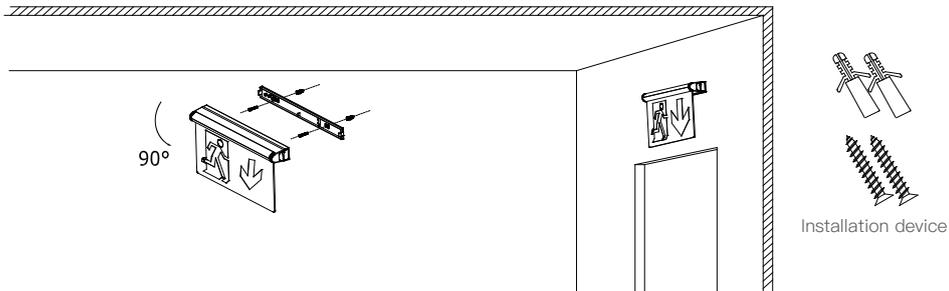
- Step 1: Mains OFF.
- Step 2: Install the base on to the ceiling by 2 pieces 4\*30 screws
- Step 3: Wiring The cable and testing accoring Page 7
- Step 4: Fix the sign on the ceiling
- Step 5: Mains ON

Installation 2: Side wall mounting



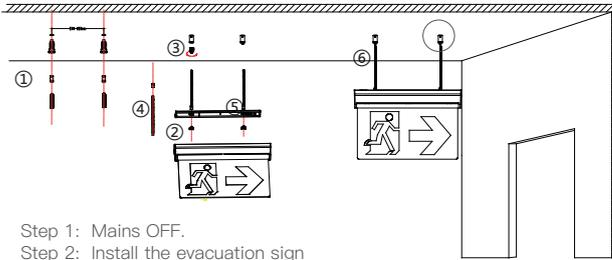
- Step 1: Mains OFF.
- Step 2: Install the wall mounting accessory on to ES9921
- Step 3: Fix the sign on the wall
- Step 4: Wiring and testing accoring Page 7 (From side recommend)
- Step 5: Mains ON

Installation 3: Wall mounting



- Step 1: Mains OFF.
- Step 2: Install the base on to the wall by 2 pcs 4\*30 screws
- Step 3: Fix the lamp on to the wall.
- Step 4: Wiring and testing accoring Page 7 (From side recommend)
- Step 5: Mains ON

### Installation 4: Hanging



Step 1: Mains OFF.

Step 2: Install the evacuation sign

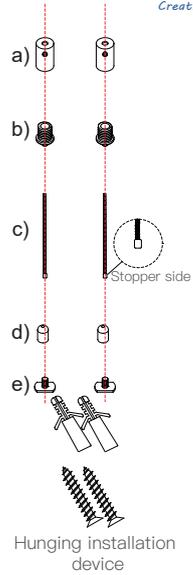
- ① Install the a) by screws, distance 180–200mm recommend.
- ② Install e) into the base of sign.
- ③ Install b) into a) by screwing.
- ④ Inert the c) string into d) from no stopper side.
- ⑤ Install c)+d) on to e) according the drawing by screwing.
- ⑥ Inert the string into b) set the length accroding Pic8.1.

Step 3: Wiring and testing accoring Page 7

Step 4: Mains ON

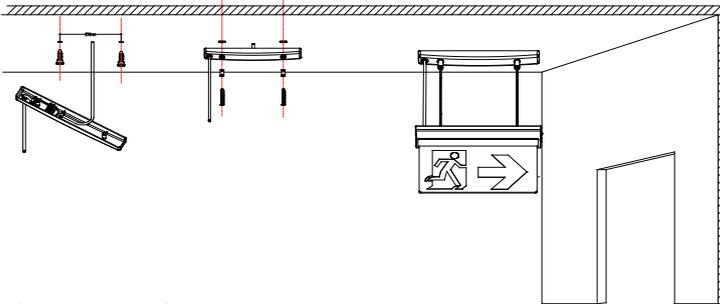


Pic8.1



Hanging installation device

### Installation 5: Hanging with canopy



Step 1: Mains OFF.

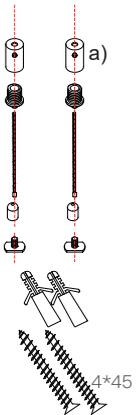
Step 2: Connect the power cable to canopy.

Step 3: Fix the canopy together with a) of haning accessory to the ceiling by 4\*45mm screws

Step 4: Install the ES9119 same as ↑ Installation 4 ↑.

Step 5: Wiring and test accoring page 7

Step 6: Mains ON



Hanging installation device



Canopy  
(Optional Device)

7 EM inspection record table

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: .....