

# Led Panel Emergency Kit

## Data Sheet

For Series: OT-EPD-2SD



OTC IND CO., LTD

TEL: 0086-575-82913009 | Website: [www.otcenterprise.com](http://www.otcenterprise.com) | Email: [info@otcind.net](mailto:info@otcind.net)



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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## 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

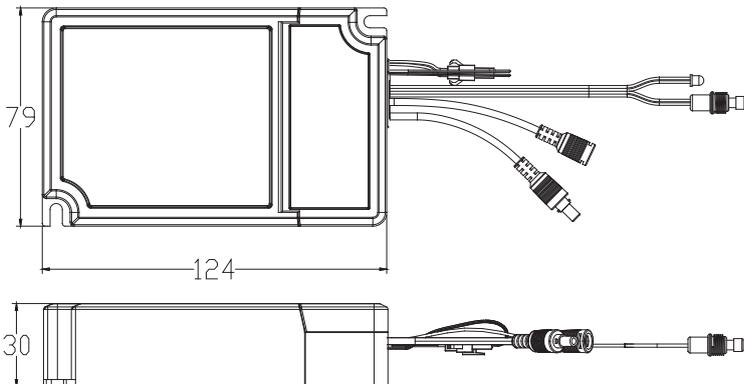


User manual \*1

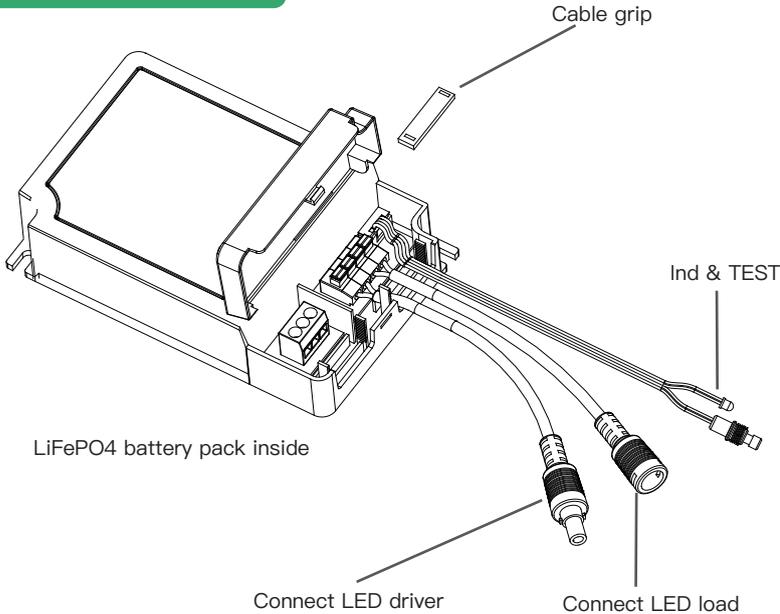
Installation pack \*1

**3 Basic Parameters**

Model	Art Nr. OT-EPD-***
	2SD
Material	Polycarbonate
Dimension of driver	124*79*30
Degree of protection	IP20
Input Voltage	AC200-240V 50/60HZ
Input power	2W
Power factor	>0.5
Extension cable	DC5521 with clip, 1 set
↓ Next are Emergency parameters ↓	
EM mode	Non -maintained
Standard	60598-2-22:2021
Out put	DC20-50V
Emergency change over	<0.5S
Emergency Pack	6.4V 1.5Ah LiFePO4 Pack
Emergency time	3 Hours
Test	Manual test
Charging indicator	Green
Faulty indicator	No
EM power	3W Constantly Power
Luminous Flux(EM)	350LM



## 4 Constructions



## IEC Declaration of Conformity



LiFePO<sub>4</sub> Batteries are already proved to be safety, even short circuit, overcharge, extrusion, acupuncture and other special conditions.

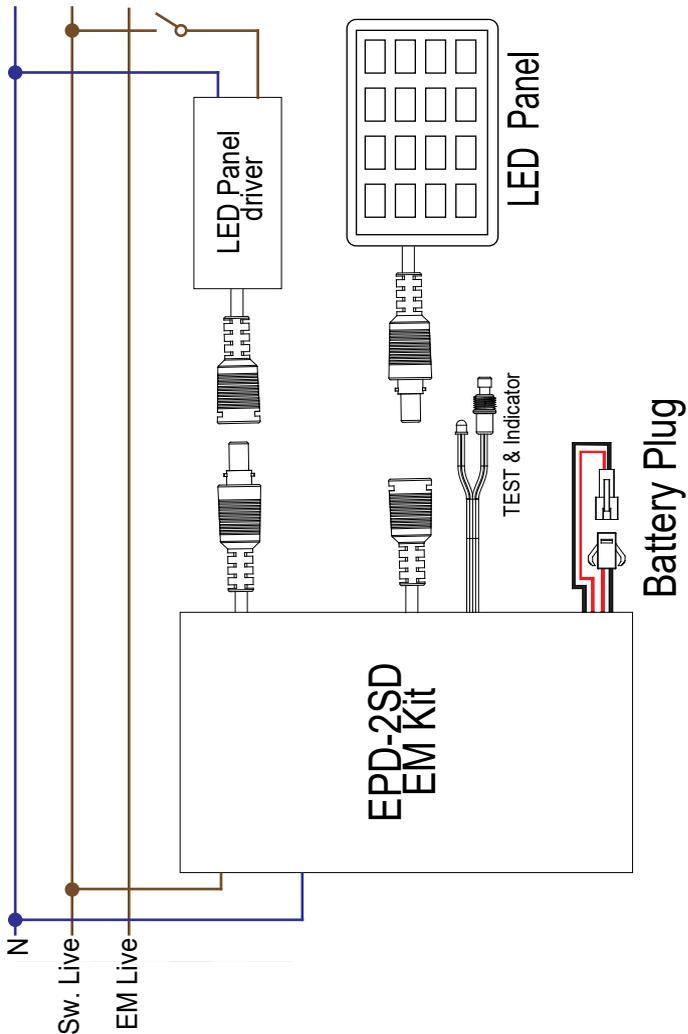
**According to IEC6058–2–22:2021 Annex A, clause A1**

The LiFePO<sub>4</sub> batteries are already permitted for emergency light.

## 5 Emergency Wiring

### ADDITIONAL INFORMATION - COMPONENT REPLACEMENT

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



## 6 Installation guide



1. All OTC emergency lights are designed for projects.  
Only qualified electrician can install or maintain it.



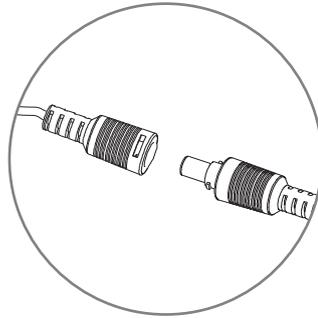
2. OT-EPD is professional EM Module.  
Read the insatllation guide carefully before operation.

3. The mains have to be off during the installation or maintenance.  
4. Keep the product far from heat sources and in a well ventilated area.

Step1: Check The Vout of your LED Driver in the range of DC 30V~60V.



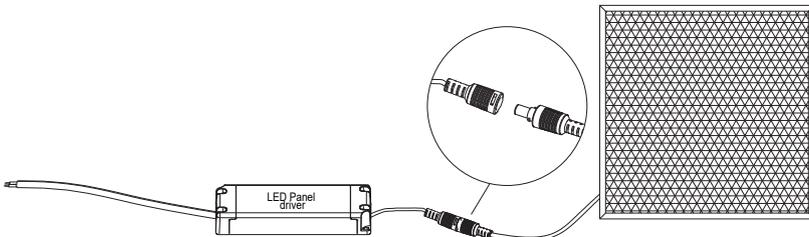
The Driver Vout in right range



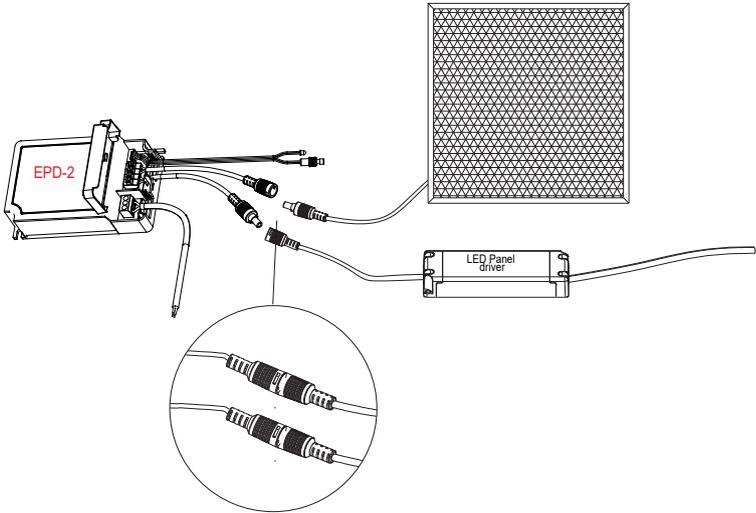
The DC5521 connector

Step2: (If with standard DC5521 connector)

Keep the main power off  
Disconnet the LED driver and Panel

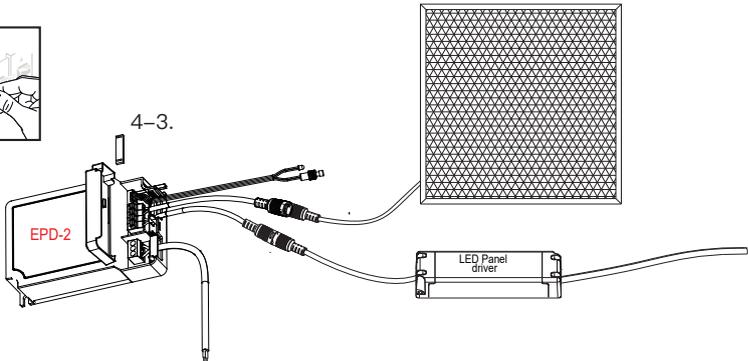
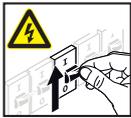


Step3: Wiring



- 3-1. Connect the DC5521 connector
- 3-2. Wiring the AC cable  
According to the wiring diagram in Page 6

Step4 : .



- 4-1. AC supply on
- 4-2. Test the lunimaris according Page 4
- 4-3. Install the Cable grip

## 9 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: ..... Luminaire NO.: .....

Installed Date: ..... Contact details: .....

Luminaire Locaton: ..... Contact details: .....



RoHS



Designed by OTC Project team

Made in China