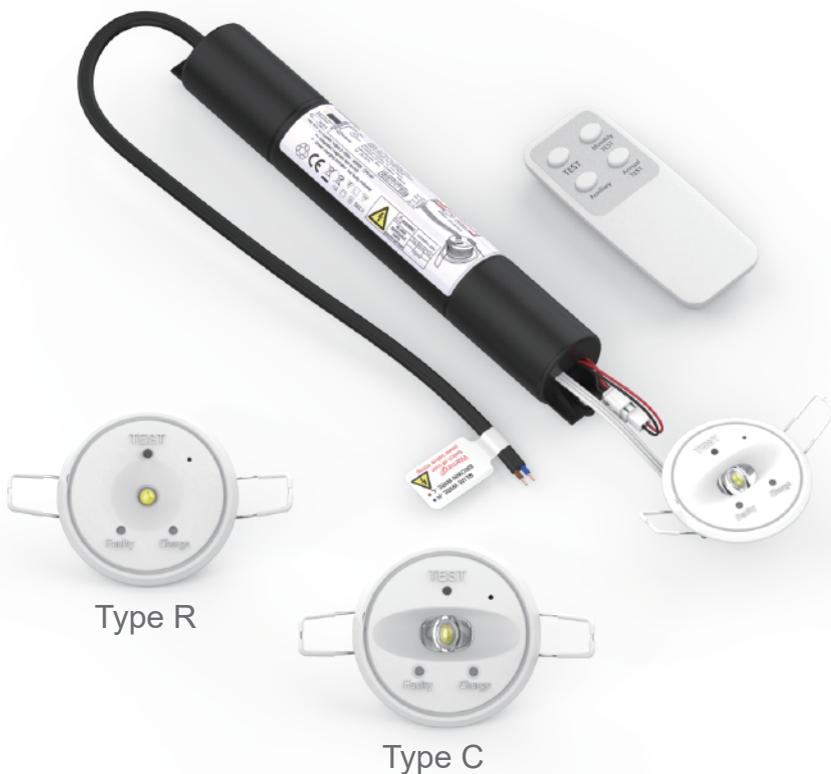


Non-maintained EM spot light

Data Sheet

For Series: OT-ESP8-LF serial



OTC IND CO., LTD

TEL: 0086-575-82913009 | Website: www.otcenterprise.com | Email: info@otcind.net



Dear partners,

* Thanks for choosing OTC emergency devices 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 device with 5 years quality guarantee (Battery 2 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

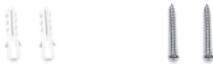
- Installation should be carried out in accordance with the latest edition of the I.E.E. Wiring regulations and taking into consideration the latest building regulations.
- Ensure that all electrical connections are tight with no loose strands, including factory made connections.
- Ensure there is adequate 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

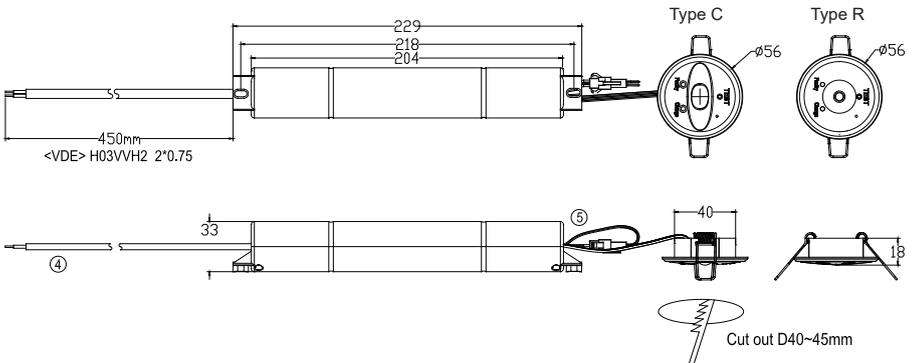


Remote test controller
OT-ESP-8RST only

The EM Spot light *1

3 Basic Parameters

Model	Art Nr. OT- ESP8-LF***_Type C/R	
	ST	RST
Material	PC case	
Dimension of driver	D 30 *L 229	
Dimension of LED lamp	D 56mm * H 18mm, Cut hole 40~45mm	
Color Rendering Index	>80	
Degree of protection	IP20	
Input Voltage	AC200 - 240V 50/60HZ	
Emergency mode	Maintained & non-maintained in one (See Page 5)	
Input Power	3.0W if maintained / 1.5W if maintained mode	
Power factor	>0.5	
LED lifespan	50,000 hrs	
Standard	60598 - 2- 22:2021	
Emergency change over	<0.5S	
Emergency Pack	3.2V 1.5Ah LiFePO4 pack	
Emergency time	3 Hours	
Test	Manual test + self test	Manual+ Self+ Remote test
Charging indicator	Green	
Faulty indicator	RED	
Emergency power	1.5W	
Luminous Flux(EM)	150LM	



4 Maintained & non-maintained changeover



Maintained & Non-maintained work mode

The OT-ESP8 series can work both in maintained and non-maintained mode.

a) The OT-ESP8 was preset Maintained mode.

The diagram shows a remote controller on the left with four buttons: 'TEST', 'Monthly TEST', 'Auxiliary', and 'Annual TEST'. The 'Auxiliary' button is circled in red. To the right is a hatched rectangular area representing the device. Below it is a top-down view of the device with a callout line pointing to the 'test button' (the dot labeled 'TEST').

Press the ④ test button constantly for 11 seconds

Methed 2

Methed 1

b) AC power on

Methed 1: Press the ④ test button constantly for 11 seconds

Methed 2: Press the “Auxiliary” switch on remote test controller for 6 seconds.

The OT-ESP8 will change the Emergency work mode.

5 Self-test system(ESP-8RST)

5.1 Testing (If no failure)

5.1.1. Manual function test.

OT-ESP8_LF-ST/RST: Active the ④ test button.

OT-ESP8_LF-RST:Press “TEST” switch on controller.

- a) The ② Charging indicator OFF.
- b) The Emergency function ON.
- c) The test will cut off the mains

5.1.2 Monthly test.

OT-ESP8_LF-ST/RST:Active the ④ test button for 5 second;

OT-ESP8_LF-RST:Press “Monthly TEST” switch on controller.
or the lamp installed every 30 days.

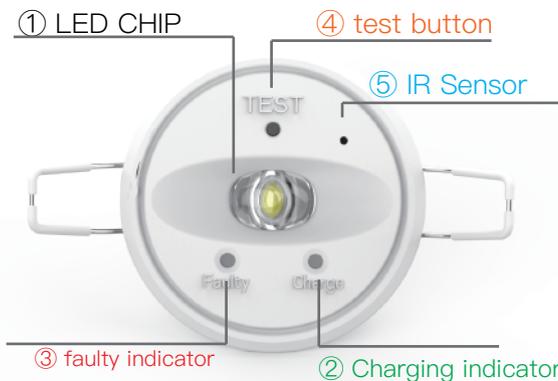
- a) The ② Charging indicator will flash in 1HZ for 128s;
- b) The Emergency function ON;
- c) The test finished and back to standby mode.

5.1.3 Annual test.

OT-ESP8_LF-ST/RST:Active the ④ test button for 7 second;

OT-ESP8_LF-RST:Press “Annual TEST” switch on controller.
or the lamp installed every 180 days.

- a) The ② Charging indicator will flash in 2HZ for 3hours;
- b) The charging will be cut off & emergency function ON 3hours;
- c) The lamp back to standby mode after test.

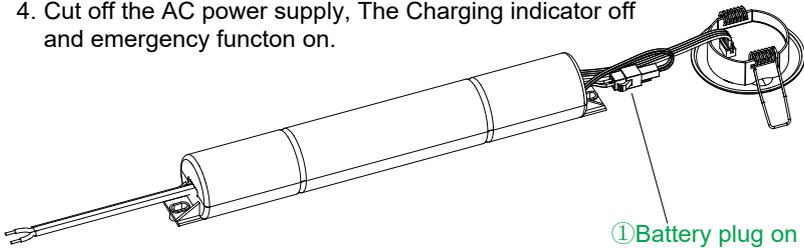


Remote test controller
OT-ESP-8RST only

7 Emergency function & Wiring

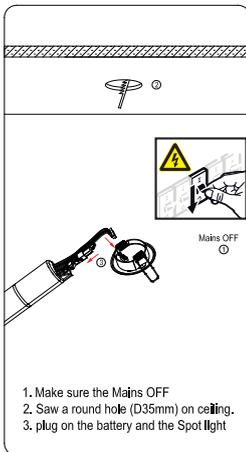
Emergency function test before installation

1. Connect the AC cable .
 - The charging indicator off,
 - The Faulty indicator flash in 1hz.
2. ①Battery plug on.
 - The charging indicator on,
 - The Faulty indicator stop flashing.
3. Press the test button, The charging indicator off, and emergency function activated.
4. Cut off the AC power supply, The Charging indicator off and emergency function on.

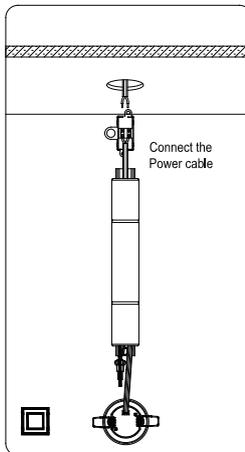


8 Installation guide

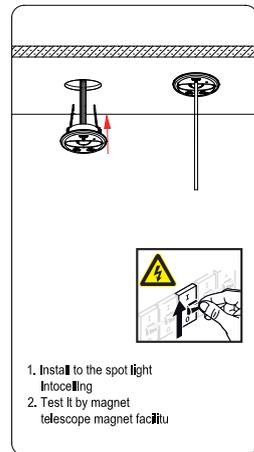
Installation



STEP 1

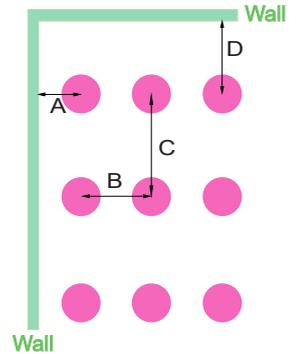
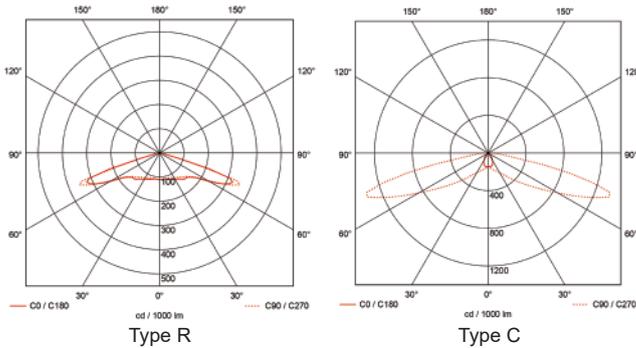


STEP 2



STEP 3

9 Photometric light distribution curves & Recomend installation spacing.



	recommend installation spacing of Type R					
	Open (Anti-Panic) Area----Recommended 0.5 Lux minimum in central core				Escape Route 1 Lux Minimum along centre line	
Mounting Height	A: Transverse to wall	B: Transverse to Transverse	C: Axial to Axial	D: Axial to Wall	A: Transverse to wall (Max)	C: Axial to Axial
2.5m	5.6m	14.1m	14.1m	5.6m	4.8m	12.2m
3.0m	4.9m	15.4m	15.4m	4.9m	4.2m	13.5m
3.5m	4.2m	15.0m	15.0m	4.2m	3.7m	13.6m
4.0m	3.9m	14.8m	14.8m	3.9m	3.3m	12.8m

	recommend installation spacing of Type C					
	Open (Anti-Panic) Area 0.5 Lux minimum in central core				Escape Route-Recommend 1 Lux Minimum along centre line	
Mounting Height	A: Transverse to wall	B: Transverse to Transverse	C: Axial to Axial	D: Axial to Wall	A: Transverse to wall (MAX)	C: Axial to Axial
2.5m	4.3m	10.0m	19.7m	7.8m	3.7m	17.1m
3.0m	3.8m	11.0m	21.5m	6.8m	3.2m	18.9m
3.5m	3.2m	10.7m	21.0m	5.8m	2.8m	19.0m
4.0m	3.0m	10.5m	20.7m	5.5m	2.6m	17.9m

10 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: