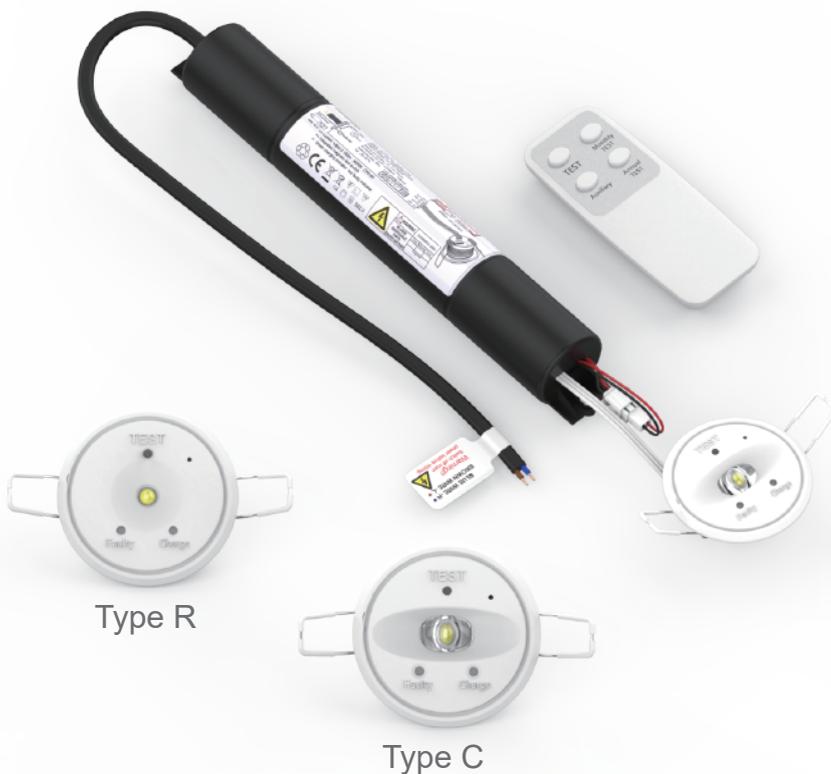


# Non-maintained EM spot light

## Data Sheet

For Series: OT-ESP-8 serial



OTC IND CO., LTD

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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 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



Remote test controller  
OT-ESP-8RST only

The EM Spot light \*1



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.

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-ESP-8ST/RST: Active the ④ test button.

OT-ESP-8RST: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-ESP-8ST/RST:Active the ④ test button for 5 second;

OT-ESP-8RST:Press “Monthly TEST” switch on controller.  
or the lamp installed every 30 days.

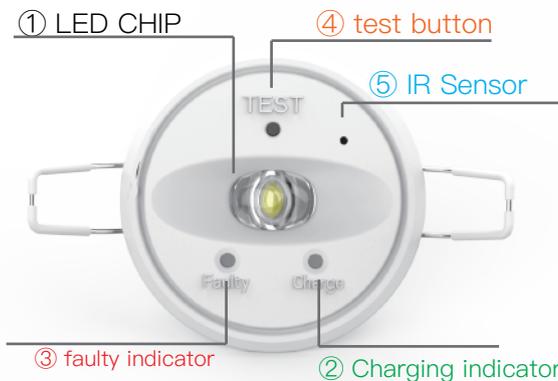
- a) The ② Charging indicator will flash in 1HZ for 128s;
- b) The Emergency function ON;
- c) The test finished and back to standby mode.

#### 5.1.3 Annual test.

OT-ESP-8ST/RST:Active the ④ test button for 7 second;

OT-ESP-8ST: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

## 5.2 Testing (If any failure)

- 5.2.1 Battery failure:  Monitored constantly. The ③ faulty indicator will flash in 1 Hz if the battery failure any time.
- 5.2.2 LED load failure:  If press test button, or the luminary self-monthly test. The ③ faulty indicator will flash in 2 Hz if LED load failure.
- 5.2.3 Duration failure:  Only in Annual self-test. The ③ faulty indicator will turn on constantly if the Battery can not last 3 hours

## 6 Emergency control logic

### The emergency function control logic

Operation	Charging indicator		Faulty Indicator		Emergency LED	
	1 Second	1 Second	1 Second	1 Second	1 Second	1 Second
Normal charging	Constantly on		OFF		OFF	
Normal AC Failure	OFF		OFF		Constantly on	
Manual test	OFF		OFF		Constantly on	
Monthly self-test			OFF		Constantly on	
Annual self-test					OFF	
Battery circuit failure	OFF				OFF	
Light source failure	Constantly on				OFF	
Duration test failure	Constantly on		Constantly on		OFF	



Before



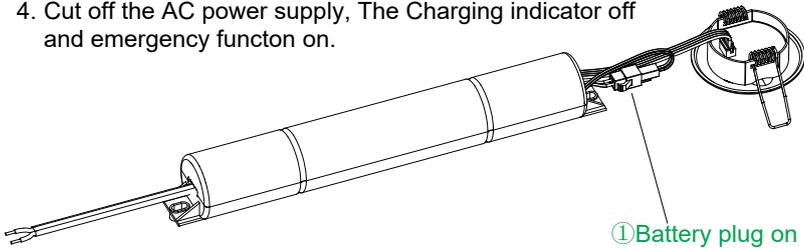
After

No Key switch, No Harry, No ladders  
Safe / Easy / Convenient

## 7 Emergency function & Wiring

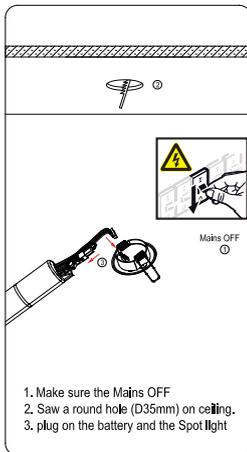
### Emergency function test before installation

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.

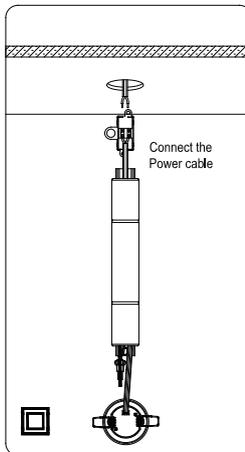


## 8 Installation guide

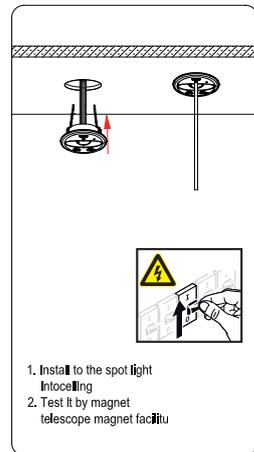
### Installation



STEP 1

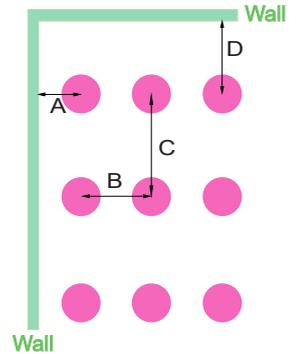
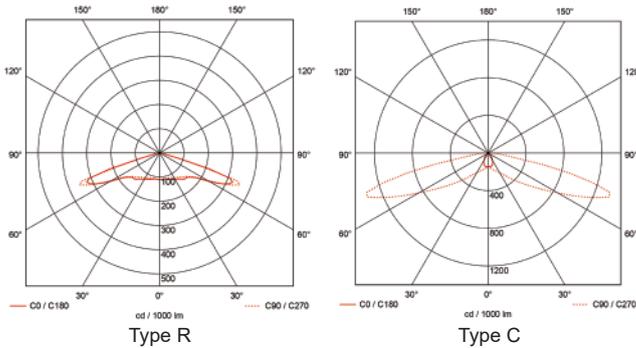


STEP 2



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: .....