

Emergency Range

Installation instructions for JCEM110027WHST Emergency Downlight



Warnings & Cautions

- To avoid electric shock, serious injury or property damage, isolate power before installing, removing or servicing the product.
- It is recommended that luminaires are installed by a qualified electrician to ensure the installation complies with the local current wiring regulations.
- It may be necessary to upgrade your MCBs to allow for increased inrush current.
- This product is designed for connection to a 220-240V~ 50/60Hz.
- It is recommended that the ambient room temperature should not exceed 45°C.
- All testing should be carried out in accordance to EN 50172:2004
- The light source of this luminaire is not replaceable: when the light source reaches the end of its life the whole of the luminaire must be replaced.
- Read instructions and check that you have all of the tools and accessories required to complete the installation correctly.
- Isolate power supply before starting installation.
- Do not carry out insulation tests with the product connected to the circuit.
- Any broken or damaged parts should be replaced as soon as possible. JCC will not accept responsibility for claims arising from sub-standard installations; which will void the warranty.
- This luminaire is for indoor only

INSTALLATION

ENGLISH

220-240V~ 50/60Hz - Class II

Colour temp: 6500K Ra: 70

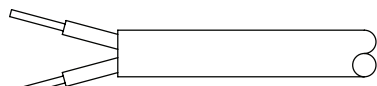
Wire preparation: 0.75-1.5 mm²

Non-Maintained(3NM)
+ Light off 24/7
+ Emergency

Live

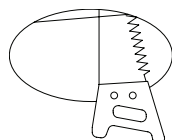
Neutral

□ Light source: Integral LED
Wattage: 1W
Lumens:
140 lumens (open area)
160 lumens (corridor)



1. Cut the mounting hole in the ceiling. (JCC recommends that a sample hole is cut in a section of spare material to familiarize yourself with the process).

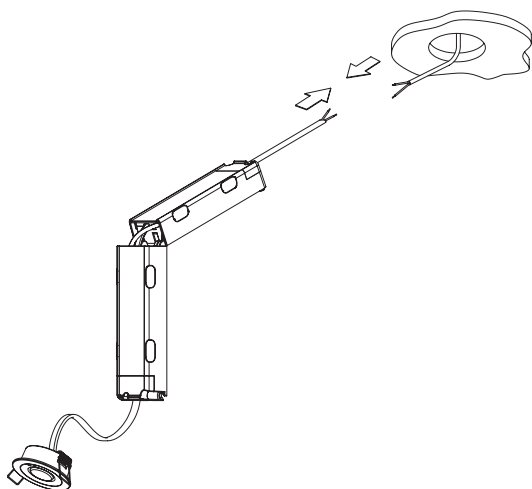
Cut out Ø



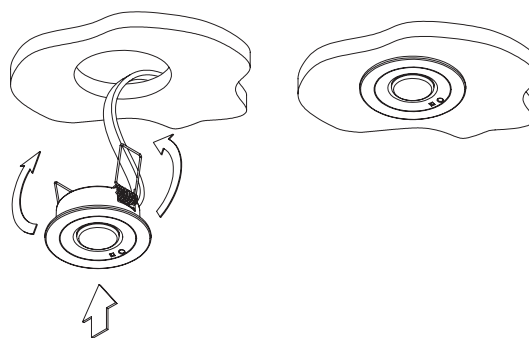
Ø43-44mm

2. Connect luminaire to 220-240V~ supply as shown above.

Batteries are already connect and do not require any further action prior to commissioning

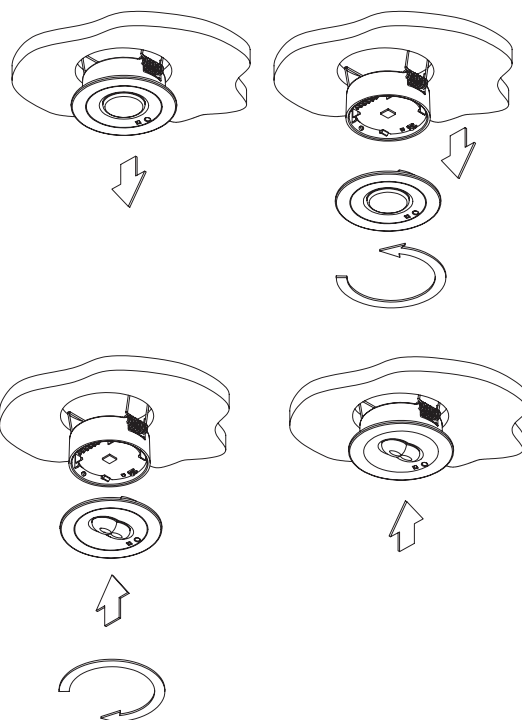


3. Feed the inverter and battery pack through the opening



4. Press the springs back and push luminaire body into aperture
Switch on mains supply and test for operation.

5. PLEASE NOTE: IF YOU REQUIRE TO CHANGE THE LENS PRIOR TO FITTING THE BODY INTO THE CEILING, PLEASE FOLLOW THE STEPS BELOW (allow 24hrs for batteries to charge).



Familiarise yourself with the enclosed emergency fittings test record sheet and ensure it is completed as required and left with the end user.

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INDICATOR STATUS

A bi-colour indicator will indicate the normal and abnormal status. Green is for conditions are normal and red for failures.

Descriptions as following.

LED Colour	Status		On Time (Seconds)	Off Time (Seconds)	Description
Green		Permanent on	/	/	Normal status when mains connected
		Slow flash	1s	1s	Duration test running
		Fast flash	0.2s	0.2s	Function test running
		Normal flash three times only	0.5s	0.5s	Time reset
Red		Permanent on	/	/	Battery failure
		Slow flash	1s	1s	Lamp failure
		Fast flash	0.2s	0.2s	Duration failure - battery capacity is not sufficient.
Light Off		Off	/	/	Emergency mode

Function Test

The function test is carried out every week for 5 seconds. It will check the connection of battery, battery discharging and the connection of LED module.

Duration Test

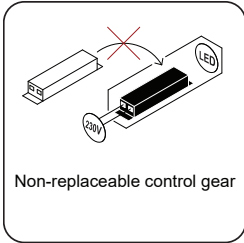
An initial duration test is automatically carried out at first power on, but after 24 hours charging. After that, the duration test is carried out for 3 hours every half year, on one day within the 175th day to the 195th day. It will also check the connection of battery and LED module.

MANUAL TEST OPERATION

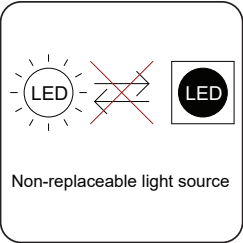
Duration	Function
Press for <2s	Simulate emergency mode
Press for 3-5s	Start duration test manually. The test can be aborted by pressing off (1-2s).
Press for 5-8s	Start Function test manually for 60s. The test can be aborted by pressing off (1-2s).
Press for >10s	Time Reset

FULL 3 HOUR FUNCTION TEST AUTOMATICALLY IS CARRIED OUT AFTER INITIAL 24 HOUR CHARGE

This product has automatic self-test function. Approximately every 7 days it will automatically turn on and check function. When in test mode, the LED indicator will flash green for approximately 5 seconds. Once complete, if no fault is found it will reset to non-maintained mode. The 3 hour duration test is carried out approximately every 6 months(175th to 195th day) it will automatically turn on the annual test function. When in this test mode, the green LED indicator will flash slowly for 3 hours. If the battery power does not last for the required 3 hours, the bi-coloured indicator LED will fast flash red meaning the emergency function is faulty.



Non-replaceable control gear



Non-replaceable light source

CE UK RoHS Compliant  IP20 jcc.co.uk

Important warranty information

This product is supported by a 2-year standard warranty which will extend to 5 years if registered within the first year of purchase. (5 year on batteries). Please register at jcc.co.uk/warranty - Terms and conditions apply.

The installer will be asked to provide the following information, which is detailed on a label attached to the luminaire's chassis:
Product Code/Date Code.

Emergency Test Record

Installation Engineers:

Luminaire Type:

Location:

Tel:

Batch Number:

Installation Date:

General Information

These instructions contain important information regarding safety. They should be read carefully and retained at the installation for future reference. The company will not accept any responsibility for any injury, damage or loss that may arise as a result of incorrect installation, operation or maintenance due to the non-adherence to these instructions. Our products are designed to comply with the requirements of UK law and the relevant industry national and international standards and should not be modified in any way. All emergency lighting systems should comply with the recommendations of BS5266-1: Code of Practice for the Emergency Lighting of Premises and be installed by competent engineers in accordance with the relevant wiring regulations. Before installing any type of Emergency Lighting always seek the advice and approval of the local Fire Prevention Officer (or equivalent authority).

Maintenance

Failed or faulty light sources connected to this equipment should be replaced immediately. These units are designed especially for a long and trouble free life and, under normal conditions, will require no routine maintenance or service beyond the inspection and test regime of BS5266-1.

Both mains supply and battery protection fusing is incorporated internally. Should access to these or any other part of the circuitry be required this must be undertaken only by suitably qualified personnel. Special care must be taken when removing the cover to circuitry and battery. Only replacement components authorised by the company must be used. Disposal of replaced components should be in accordance with the component manufacturers instructions.

Routine Inspection and Test

All tests must be undertaken at times of least risk and in accordance with EN 50172:2004 as indicated below:

Daily: Indicators of central power supply shall be visually inspected for correct operation.

Monthly: (in addition to the daily check)

If automatic testing devices are used, the results of the short duration tests shall be recorded.

Test shall be carried out as follows:

a) Switch on in the Emergency mode each luminaire and each internally illuminated exit sign from its battery by simulation of a failure of supply to the normal lighting for a period sufficient to ensure that each lamp is illuminated.

NOTE: The period of simulation failure should be sufficient for the purpose of this clause whilst minimising damage to the system components e.g lamps. During this period, all luminaires and signs shall be checked to ensure that they are present, clean and functioning correctly. At the end of this test period, the supply to the normal lighting should be restored and any indicator lamp or device should be checked to ensure that is showing that the normal supply has been restored.

Annually:

If automatic testing devices are used, the results of the short duration tests shall be recorded. For all other systems the monthly inspection shall be carried out and the following additional tests made:

a) each luminaire and internally illuminated sign shall be tested Monthly as above but for its full duration in accordance with the manufacturer's information;

b) the supply of the normal light shall be restored and any indicator lamp or device checked to ensure that it shows the normal supply has been restored.

The charging arrangements should be checked for proper functioning;

c) the date of the test and its results shall be recorded in the system logbook.

A copy of this report must accompany any fitting returned to the manufacturer for any reason.

[illegible]