Skypack[™] Range

Installation guide for Skypack™ LED Battens

Important information

- It is recommended that luminaires are installed by a qualified electrician to ensure the installation complies with the local current wiring regulations.
- Any broken or damaged parts should be replaced as soon as possible. JCC will not accept responsibility for claims arising from sub-standard installations.
- This product is for indoor use only and should not be covered by any insulated material.
- The light source of thisluminaire is not replaceable: When the light source reaches the end it's life, the whole of the luminaire must be replaced.
- It may be necessary to upgrade your MCBs to allow for increased inrush current.

locking screw

INSTALLATION

Fig.1.

Read instructions and check that you have all of the tools and accessories required to complete the installation correctly. Isolate power supply before starting the installation.

- **1.** Loosen (do not remove) the locking screws on both end caps see Fig.1.
- **2.** Slide the front cover/diffuser as shown in Fig.2. to release the front of the fitting which will give access to the interior for fixing the body and the wiring. The front cover is hinged on one side to enable easy installation as shown in Fig.3.
- **3.** Secure the fitting in the desired postion either using the fixing points or BESA plates for conduit mounting (distances are shown on the profile drawing on page 2).
- **4.** Terminate the wiring into the press fit terminal as shown Fig 4. or into fused terminal for the emergency version as shown in Fig 5. and connect dimming controls as per Fig.6 where required.
- **5.** Connect batteries on emergency version (allow a full 24 Hours for batteries to charge prior to testing). Please refer to periodic test procedure on page two.
- 6. Refit the front cover by aligning the locating tabs and slide to lock into place, see Fig.2.
- 7. Tighten the locking screws.
- 8. Refit the front cover by aligning the locating tabs and slide to lock into place.
- 9. Tighten the locking screws.

ROHS

Compliant

- **10.** Turn on the mains supply and check operation.
- N.B This luminaire is suitable for surface, BESA mounting or with conduit end entry to both ends.
- Note: DO NOT carry out insulation tests with the driver connected to the circuit. The external flexible cable cord of this luminaire cannot be replaced: if the cord is damaged the luminaire should be decommissioned and destroyed.

Standard version connection **Emergency version connection** 220-240V 50/60Hz / Class I 🕀 220-240V 50/60Hz / Class I 🕀 Figure 4. Figure 5. Blue 🗐 🔘 🗩 Neutral: Blue Live: Brown or Red Switched Live: Brown Brown ⊕ 🔍 🗖 Unswitched Live: Black Black D.O. Neutral: Blue or Black 1.6A Fused Unswitched Live

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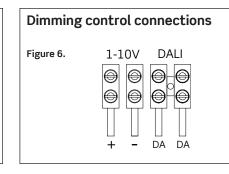


Fig.3.

Specifications Colour temp: 4000K Ra: 80

Skypack™	Total circuit wattage	Lumens	LpcW
4ft Single	20W	2500	124
4ft Twin	40W	5100	129
5ft Single	30W	3700	124
5ft Twin	60W	7300	122
Skypack™ Plus	Total circuit wattage	Lumens	LpcW
4ft Single	30W	4000	132
4ft Twin	55W	7600	138
5ft Single	45W	6000	132
5ft Twin	75W	10,000	133
6ft Single	53W	6400	120
6ft Twin	90W	10,800	120

ENGLISH



Emergency range 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 the luminaire over to emergency mode to operate from the batteries by simulating a failure of supply to the normal

lighting for a period sufficient to ensure correct luminaire operation NOTE:

The period of simulation failure should be sufficient for the purpose of this clause whilst minimizing 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 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 normal supply for the luminaire should be restored and any charge indicator lamp or device should be 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.

General Information

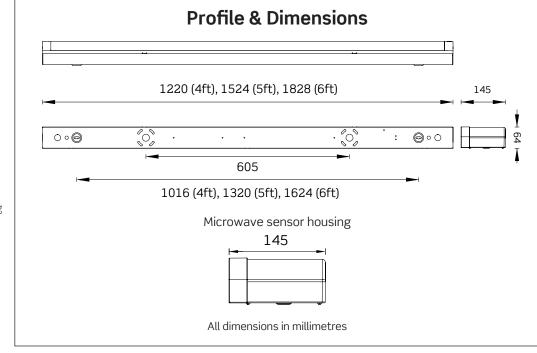
Our products are designed to comply with the requirements of UK law and the relevant industry national and international standards and should not be modified in any way. All emergency lighting systems should comply with the recommendations of BS5266-1: Code of Practice for the Emergency Lighting of Premises 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. 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 person. 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.

JCC Lighting Products Ltd., Innovation Centre, Beeding Close, Southern Cross Trading Estate, Bognor Regis, West Sussex, PO22 9TS, United kingdom **Technical Support: +44(0)1243 838986 Customer Services: +44(0)1243 838999**

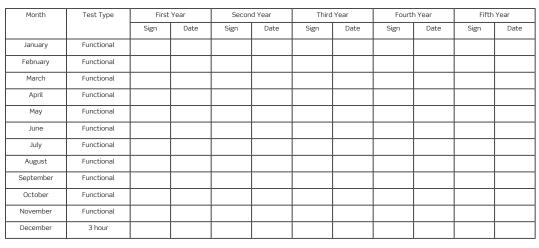


Important warranty information

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

It remains the responsibility of the installer to ensure this product is suitable for it's intended application, the product warranty will be void if installed in an area not suitable for this product. 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.

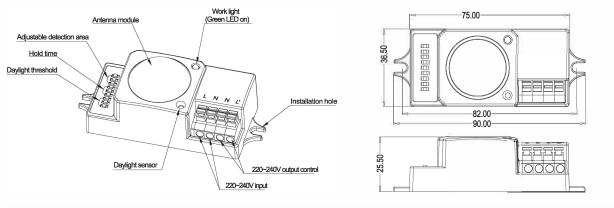
Emergency Test Record Table





MICROWAVE MOTION SENSOR USER'S MANUAL Model No.: LEV71909

(Unit: mm)



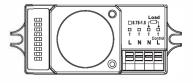
Technical Specification	IS	
Input voltage	220/240Vac 50Hz	
Rated load	400W(Inductive load), 800W(Resistive load)	
Detection area	0.5~8m, adjustable	((
Hold time	5s / 30s / 90s / 3min / 20min / 30min	CE
Daylight sensor	5lux / 10lux / 30lux / 50lux / Disable	
Sensor principle	Microwave motion detector	
Microwave frequency	5.8GHz±75MHz, ISM wave band	
Transmitting power	<0.5mW (1% of transmitting power for cell phone)	
Detection range	Max. (Ф x h): 16m x 6m	
Detection angle	150°(Wall installation),	•
	360°(Ceiling installation)	
Motion detection	0.5~3m/s	R&TTE
Operating temperature	-20°C−60°C	
IP rating	IP20	

General Guidelines for Installation



- 1, The sensor should be installed by a qualified electrician. And ensure that the electricity supply is switched off before installing or servicing the product.
- 2, The sensor should not be modified in any way. Any modifications mode to this product will immediately invalidate any warranties issued.
- 3, The company does not accept responsibility for any consequences resulting from unauthorized modification of the product.
- 4, The sensor should be connected to a stable power supply of 220/240Vac 50Hz.
- 5, Microwaves cannot pass through metal or brick walls if thicker than 20cm. They will pass through thinner walls but there will be some attenuation.
- 6, Installation inside a glass or plastic housing will result in a reduction of detection sensitivity. Expect a reduction of approximately 20% for every 3mm of thickness.

Installation & Wiring



The sensor has 4-position terminal block as Pic 1: L(Phase) N(Neutral) L' (Switched phase / control)

Pic 1

The sensor is designed for installation at 1~6m in height.

Suggested mounting height: 1~1.8m (Wall mounting), 2.5~6m (Ceiling mounting).

Settings

III: up to 4m IV: up to 3m V: up to 2m 2, Hold time Refers to the time period the lamp remains at 100% illumination after no motion detected. I: 5s II: 30s III: 90s IV: 3min V: 20min	I 2 3 I ON ON ON ON ON I I ON ON ON ON ON ION ION ON ION III ON ON ON III ON ON 72 III ON ON III ON ON 72 V - - ON 22 V - - 10 II ON ON ON 55 III - ON 03 III ON ON F ON 90 90
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Refers to the time period the lamp remains at 100% illumination after no motion detected. I: 5s II: 30s III: 90s IV: 3min V: 20min	I ON ON ON 51 ON II - ON ON 30
I: 5s II: 30s III: 90s IV: 3min V: 20min	I ON ON ON 51 ON II - ON ON 30
II: 30s III: 90s IV: 3min V: 20min	I ON ON ON 51 ON II - ON ON 30
III: 90s IV: 3min V: 20min	
IV: 3min V: 20min	
V: 20min	
	IV ON 3r
	V ON ON - 20
VI: 30min	VI 30
3, Daylight sensor	
The sensor can be set to only allow the lamp to illuminate below a defined ambient	
brightness threshold. The settings are as follows:	
I: Disable*	1 2 3
II: 50lux, twilight operation	I ON ON ON Disat
III: 30lux, twilight operation	ON <u>I</u> ON ON - 501u
IV: 10lux, darkness operation only	
	III - ON - 301u IV ON - - 101u

FAQ

Question	Cause	Remedy
	Incorrect daylight sensor setting selected.	Adjust setting.
The load will not illuminate.	Load has failed.	Replace load.
	Power is switched off.	Switch on
	Continuous movement in the detection area.	Check detection area setting.
The load is permanently illuminated.	The lamp (containing sensor) is installed in an area too close to reflective surfaces, i. e. metal, glass or concrete walls.	 Make sure installation area suitable with at least 30cm space between lamp and surrounding reflective surfaces. Reduce sensitivity (detection area).
The load will not illuminate despite movement.	Speed of moving object is not in the range of 0. 5~3m/s or the detection radius is too small.	Check detection area setting.