

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 this luminaire is not replaceable: When the light source reaches the end of its life, the whole of the luminaire must be replaced.
- It may be necessary to upgrade your MCBs to allow for increased inrush current.

INSTALLATION

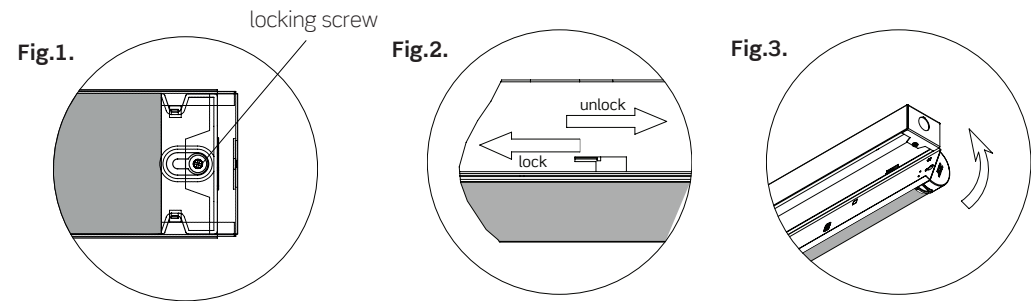
ENGLISH

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 position 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.
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.



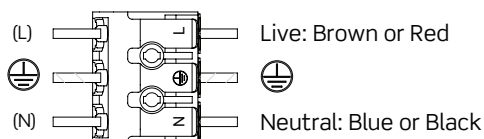
Specifications Colour temp: 4000K Ra: 80

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

Standard version connection

220-240V 50/60Hz / Class I Ⓢ

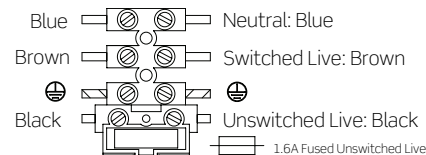
Figure 4.



Emergency version connection

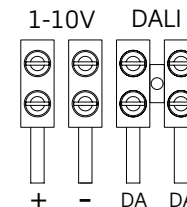
220-240V 50/60Hz / Class I Ⓢ

Figure 5.

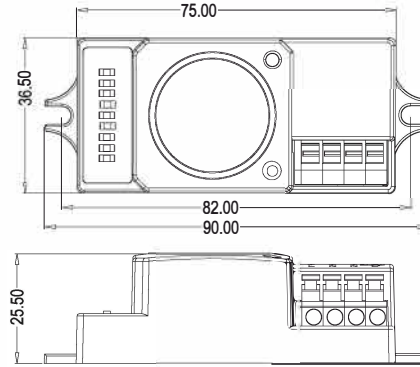
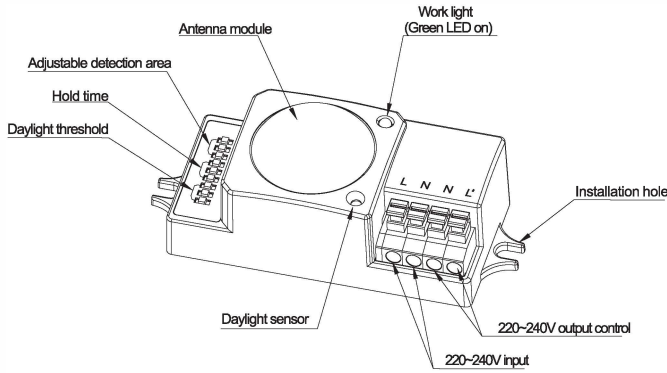


Dimming control connections

Figure 6.



IP20 jcc.co.uk



(Unit: mm)

Technical Specifications

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
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. (Φ x h): 16m x 6m
Detection angle	150°(Wall installation), 360°(Ceiling installation)
Motion detection	0.5~3m/s
Operating temperature	-20 °C ~ -60 °C
IP rating	IP20



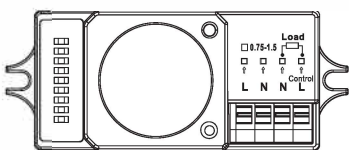
R&TTE

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 made 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



Pic 1

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

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

Detection area, hold time and daylight sensor can be set using DIP switches on the sensor. Note that reducing the detection area will also reduce the sensitivity.

1, Detection area

I: up to 8m
 II: up to 6m
 III: up to 4m
 IV: up to 3m
 V: up to 2m

	1	2	3	
I	ON	ON	ON	100%
II	-	ON	ON	75%
III	ON	-	ON	50%
IV	-	-	ON	25%
V	-	-	-	10%

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
 VI: 30min

	1	2	3	
I	ON	ON	ON	5s
II	-	ON	ON	30s
III	ON	-	ON	90s
IV	-	-	ON	3min
V	ON	ON	-	20min
VI	-	-	-	30min

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*
 II: 50lux, twilight operation
 III: 30lux, twilight operation
 IV: 10lux, darkness operation only
 V: 5lux, darkness operation only

*When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light levels.

	1	2	3	
I	ON	ON	ON	Disable
II	ON	ON	-	50lux
III	-	ON	-	30lux
IV	ON	-	-	10lux
V	-	-	-	5lux

FAQ

Question	Cause	Remedy
The load will not illuminate.	Incorrect daylight sensor setting selected.	Adjust setting.
	Load has failed.	Replace load.
	Power is switched off.	Switch on
The load is permanently illuminated.	Continuous movement in the detection area.	Check detection area setting.
	The lamp (containing sensor) is installed in an area too close to reflective surfaces, i. e. metal, glass or concrete walls.	1, Make sure installation area suitable with at least 30cm space between lamp and surrounding reflective surfaces. 2, 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.