

Skypack™ QR Microwave Range

Installation instructions



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.

- To remove the diffuser and LED tray from the body press both the release buttons at each end of the fitting as shown in Fig.1.
- The diffuser and LED tray is secured to the body with security tabs, which will support the diffuser when installing the body.
- Secure the fitting in the desired position either using the fixing points or BESA plates for conduit mounting.
- Terminate the wiring into the press fit terminal as shown Fig 2. or into fused terminal for the emergency version as shown in Fig 3.
- 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.
- Refit the front cover by aligning the diffuser with the body and click into place.
- Refer to microwave sensor instructions to set sensor to required operation.
- Turn on the mains supply and check operation.

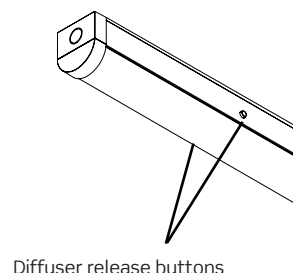
N.B This luminaire is suitable for surface, BESA mounting or with conduit end entry to both ends.

Note: DO NOT carry out insulation tests with the driver connected to the circuit.

Specifications Colour temp: 4000K Ra: 80

Skypack™	Product code	Total circuit wattage	Lumens	LpcW
4ft Single	JC71741MW	23	2760	120
4ft Single EM	JC71741EMMW	25	2760	110
4ft Twin	JC71742MW	40	4800	120
4ft Twin EM	JC71742EMMW	42	4800	114
5ft Single	JC71743MW	37	4440	120
5ft Single EM	JC71743EMMW	39	4440	113
5ft Twin	JC71744MW	60	7200	120
5ft Twin EM	JC71744EMMW	62	7200	116
6ft Single	JC71745MW	54	6480	120
6ft Single EM	JC71745EMMW	56	6480	116
6ft Twin	JC71746MW	80	9800	122
6ft Twin EM	JC71746EMMW	82	9800	120

Figure 1.



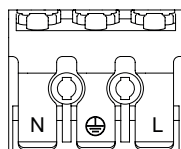
Diffuser release buttons

Standard version connection

220-240V 50/60Hz / Class I ⚡

Figure 2.

N = neutral
⚡ = earth
L = Live

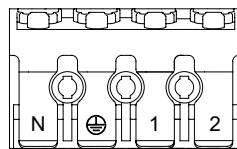


Emergency version connection

220-240V 50/60Hz / Class I ⚡

Figure 3.

N = neutral
⚡ = earth
1 = Switched Live
2 = Unswitched live



Important warranty information

Skypack™QR is supported by a 2-year standard warranty which will extend to 5-years if registered within the first year of purchase(2 year on batteries). 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 its 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.



RoHS
Compliant



IP20

jcc.co.uk

V2_Feb_2020_GL

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

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:

- 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 it is showing that the normal supply has been restored.

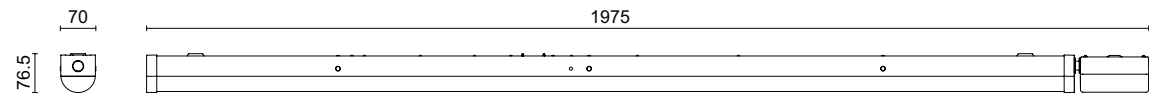
- a) Each luminaire and internally illuminated sign shall be tested monthly as above but for its full duration in accordance with the manufacturer's information.
- b) The normal supply for the luminaire should be restored and any charge indicator lamp or device should be checked to ensure that it shows 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.

General Information

Maintenance

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.

6ft single/twin



Technical drawing of a long, thin rectangular device. The overall dimensions are 1670mm in length, 70mm in width, and 76.5mm in height. The drawing shows a top view and a side view. The top view is a rectangle with a semi-circular end on the left. The side view shows the device's profile, including a small circular feature on the left end and a larger rectangular feature on the right end.

Emergency test record sheet

[illegible]

SETTINGS

Sensor can be set using DIP switches. Note that reducing the detection area will also reduce 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	
ON ↑ 	I	ON	ON	ON	100%
	II	-	ON	ON	75%
	III	ON	-	ON	50%
	IV	-	-	ON	25%
	V	-	-	-	10%

4.Standby dim level

I: 50%
II:40%
III:30%
IV:20%
V:10%

		1	2	3	
ON ↑ 	I	ON	ON	ON	50%
	II	-	ON	ON	40%
	III	ON	-	ON	30%
	IV	ON	ON	-	20%
	V	-	-	-	10%

Refers to the reduced % of light after no motion detected

2.Hold time

I: 5 seconds
II:30 seconds
III:90 seconds
IV:3 minutes
V:20 minutes
VI:30 minutes

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

Refers to the time period the luminaire remains at 100% illumination after no motion detected

5.Daylight Sensor

I: Disable*
II:50 lux(twilight)
III:30 lux(twilight)
IV:10 lux (Dark)
V:5 lux (Dark)

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

When set to 'Disable' mode, the sensor will switch on the luminaire when motion is detected regardless of ambient light levels. The daylight sensor will only operate when the luminaire is off. If 'Standby period' is set to 'Disable' the Daylight function is not available

Sensor Technical Specification	
Input Voltage	220-240V~50/60Hz
Rated load	800W(inductive) 1200W(resistive)
Detection area	0.5-8m(adjustable)
Hold time	5s/30s/90s 3min/20min/30min
Daylight sensor	5lux/10lux/30lux 50lux/disable
Stand-by period	5s/5min/10min/30min 1 hour/disable
Stan by dim level	10%/20%/30% 40%/50%
Sensor type	Microwave motion detector
Microwave frequency	5.8GHz±75MHz, ISM wave band
Transmitting power	<0.5mW(1% of transmitting power for mobile phone)
Detection range	Max (Ø x h) 16m x 10m
Detection angle	150°(wall mount) 360° (ceiling mount)
Motion detection	0.5~3m/s

3.Standby period

I: Disable*
II:1 hour
III:30 minutes
IV:10 minutes
V:5 minutes
VI:5 seconds

		1	2	3	
ON ↑ 	I	ON	ON	ON	Disable
	II	-	ON	ON	1 hour
	III	ON	-	ON	30 min
	IV	-	-	ON	10 min
	V	ON	ON	-	5 min
	VI	-	-	-	5 sec

* Refers to the time period of the selected standby dimming level. When set to 'Disable' the luminaire will remain at 100% illumination when motion is detected, after no movement, it will then revert to selected hold time and standby dimming level settings

Fault	Cause	Solution
Luminaire will not operate	Incorrect Daylight sensor setting selected	Adjust setting
	Driver(load)faulty	Replace driver(load)
	Power is switched off	Switch on power
The luminaire is permanently on	Continuous movement in area	Check detection area setting
	Luminaire is installed too close to reflective surfaces(i.e. metal, glass)	1.Ensure installation area is suitable with at least 30cm of space between sensor and surrounding reflective surfaces 2. Reduce sensitivity(detection area)
Luminaire will not operate despite movement	Speed of moving object is not in the range of 0.5-3 m/s or detection area is too small	Check detection area setting