

Microwave Movement Sensor

This product is fitted with a microwave movement sensor. Please see below detailed operating instructions.

Technical Specifications:

Operating voltage		220 ~ 240V AC 50/60Hz
Rated load		400W (Capacitive load) 800W (Resistive load)
Stand-by power		≤ 0.5W
Sensitivity	Ceiling mounted height: 3m	100% / 75% / 50% / 25% / 10%
	Ceiling mounted height: 6m*	100% / 75% / 50%
	Wall mounted height: 2m	100% / 75% / 50% / 25% / 10%
Hold-time		5s / 30s / 90s / 3min / 20min / 30min
Daylight sensor		2Lux / 10Lux / 25Lux / 50Lux / Disable
Microwave frequency		5.8 GHz ±75MHz
Transmitting power		1mW Max.
Detection range	Ceiling mounted height: 3m	3- 6m (radius)
	Wall mounted height: 1.5-2m	12-15m
Detection angle		360° (Ceiling) / 120° (Wall)
Working temperature		-20°C ~ 60°C


*50%, 75%, 100% detection sensitivity is workable when installed at 6m mounting height. Only 10%, 25% sensitivity is not able to detect motion signal.

Settings:

1. Sensitivity

Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.

I – 100%
II – 75%
III – 50%
IV – 25%
V – 10%




	1	2	3	
I	●	●	●	100%
II	○	●	●	75%
III	●	○	●	50%
IV	○	○	●	25%
V	○	○	○	10%

2. Hold-time

Hold-time refers to the time period that the light remains 100% on if no more movement is detected.

I – 5s
II – 30s
III – 90s
IV – 3min
V – 20min
VI – 30min




	4	5	6	
I	●	●	●	5s
II	○	●	●	30s
III	●	○	●	90s
IV	○	○	●	3min
V	●	●	○	20min
VI	○	○	○	30min

3. Daylight sensor

Different daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.

I – 2Lux
II – 10Lux
III – 25Lux
IV – 50Lux
V – Disable



	7	8	9	
I	●	●	●	2Lux
II	●	●	○	10Lux
III	○	●	○	25Lux
IV	●	○	○	50Lux
V	○	○	○	Disable*

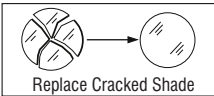
*Disable means the daylight sensor does not work. The sensor will turn on light once motion is detected regardless of ambient light level.

Trouble shooting:

Malfunction Cause Remedy	Cause	Remedy
The light will not come on	Incorrect light-control setting selected	Adjust daylight threshold setting
	Faulty lamp	Replace lamp
	No power supply	Check power to sensor
The lamp is always on	Continuous movement in the detection zone	Check detection area setting
The lamp is on without any identifiable movement	The sensor is not mounted for reliably detecting movement	Securely mount enclosure
	Movement occurred, but not identified by the sensor (Movement behind wall, movement of small object in immediate lamp vicinity etc.)	1. Reduce sensitivity. 2. Check the movement behind walls to avoid facilities such as water pipe, fan, which may mis-trigger the sensor.
The lamp will not work despite movement	Rapid movements are being suppressed to minimize malfunctioning or the detection radius is too small.	Check detection area setting

Care and Safety

We recommend cleaning with a soft dry cloth. Do not use solvents or abrasive cleaners as these could damage the finish.
For your safety, always switch off the power supply before cleaning.



This light source is protected by a shade. This part must be replaced immediately should the shade become cracked or damaged. This fitting must not be used without the shade in place.

For further information, please visit <https://www.lighting-info.co.uk/110968>


Saxby Core CCT MW & EM

110968



Thank you for purchasing this light fitting. Please read the instructions carefully before use to ensure safe and satisfactory operation of this product. Please retain these instructions for future reference.

Warning

 This power supply is Double Insulated and does not require connection to an Earth circuit.

Please read these instructions carefully before commencing any work.

This unit must be fitted by a competent and qualified electrician. Install in accordance with IEE Wiring regulations and current Building Regulations.

To prevent electrocution switch off at mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge. If you are in any doubt, please consult a qualified electrician.

This light fitting should be connected to a fused circuit.

If replacing an existing fitting, make a careful note of the connections.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

Layout

Plan the desired layout of these fittings carefully, ensuring the cables will reach the distance between the junction box and the light fitting.

Avoid locating any cables in positions that would cause a hazard. Position cables and outdoor rated junction boxes (not supplied) away from areas where they may be at risk from being cut, trapped or damaged.

We recommend that you use H05RN-F specification cable (not supplied) which is an outdoor grade, rubber sheathed cable.

The mains supply cable must have a minimum cross sectional area of 1.0mm²

Cables must be protected using suitable conduit or plastic trunking.

The products can be wall or ceiling mounted. If wall mounting ensure that the power supply is at the bottom.

Installation

Existing fittings must be completely removed before installation of a new product. Before removing the existing fitting, carefully note the position of each set of wires.

Note that the switch is turned off before installation.

Ensure that the screws and cable entry points are sealed to maintain the IP rating of the product.

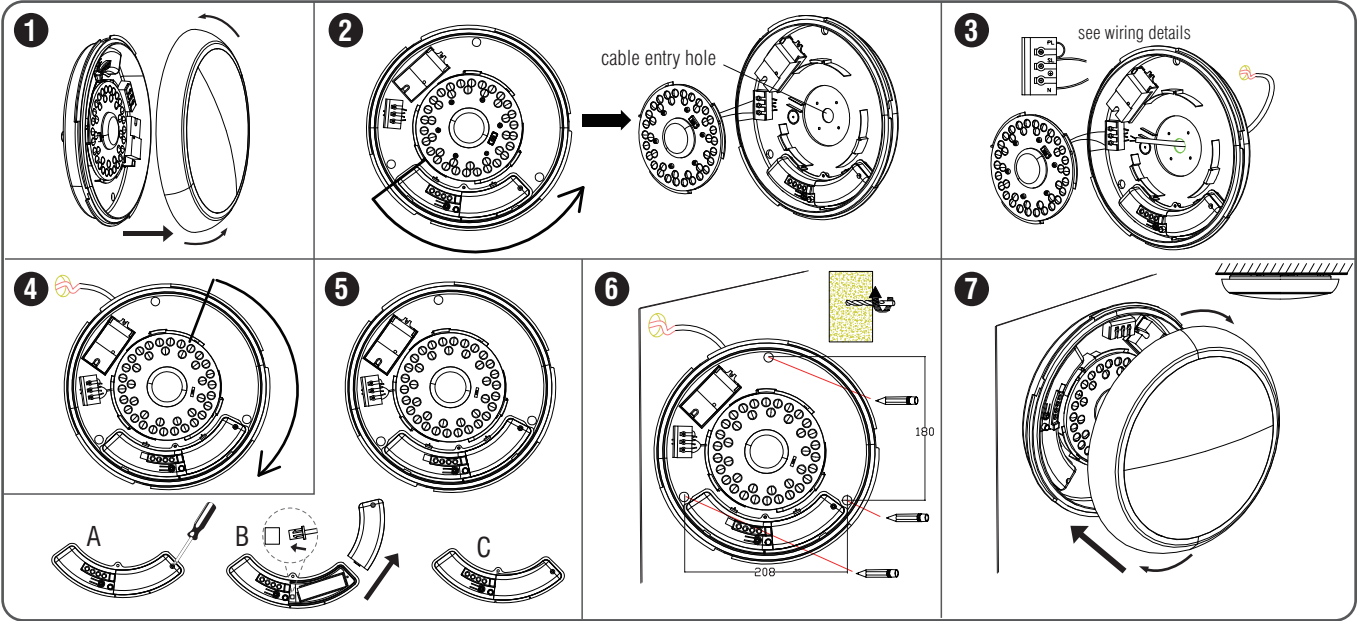
- Rotate to remove the lamp cover from the product, keep safe for refitting later.
- Rotate the LED board anticlockwise by 60° to release it from the rear casing to find out the cable entry hole in the center of the rear casing.
- Pull the cable through the cable entry hole and seal to maintain the IP rating.
- Wire as detailed wiring diagram.
- Rotate the LED board clockwise by 60° to fix it back into the rear casing.
- Unscrew the screw with screwdriver to open the battery cover. Then plug the battery cable into the EM power terminal. Fit back the battery cover.
- Using the rear casing as a template mark the position to drill out the fixing holes. Take care to avoid damaging any concealed wiring and pipes. Ensure the wall is capable of holding the weight of the product, or if fitting to a ceiling, ensure there is a joist at the point of fixing to support the weight of the product.
- Fix the rear casing into the position using the installation plugs and screws.
- Rotate the lamp cover back onto the product and lock in place.
- Replace fuse or circuit breaker and switch on. Your light is now ready for use.

Individual casings are available for purchase separately.

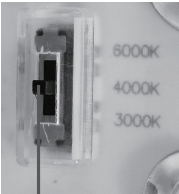
110969: black bezel

110970: chrome beze

* Product images may vary.



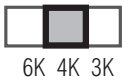
CCT & Multi Watt Function



CCT Switch

Choose your preferred wattage and colour before installing by wattage switch or CCT switch on the driver.

Note: Befefore you change the wattage or colour, please turn off the power switch for safety.



The colour is changeable between 3000/4000/6000K using the CCT switch on LED board insied the fitting before installation. Default setting is 4000K.



Watt Switch

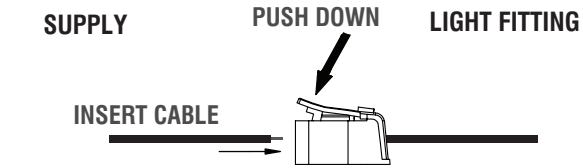
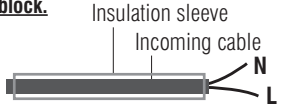


The wattage is changeable between 8/12/15W using the wattage switch on the driver before installation. Default setting is 15W.

Wiring

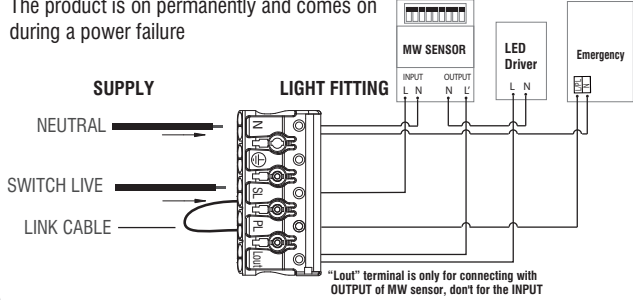
- This product is double insulated and must not be earthed. If there are any incoming earth cables, they must be joined together. This is to ensure earth continuity throughout your property.

NOTE: Please remind to use the insulation sleeve(supplied) for the incoming cable before the incoming cable connect with quick fit connection block.



Maintained (Unswitched) Wiring:

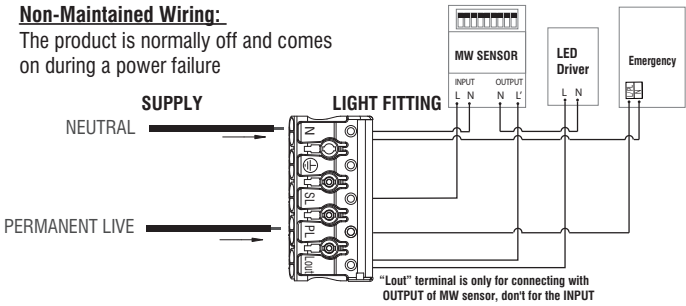
The product is on permanently and comes on during a power failure



Sensor Used as Normal

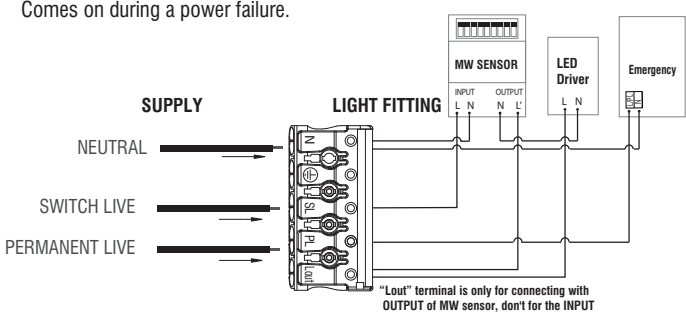
Non-Maintained Wiring:

The product is normally off and comes on during a power failure

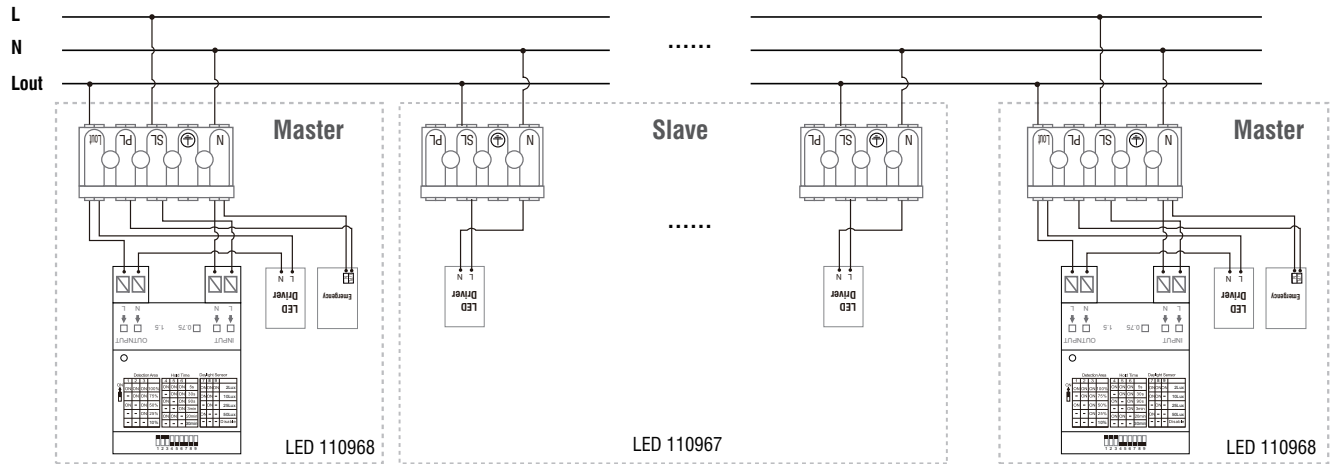


Maintained (Switched) Wiring:

The product is used as a normal light - switch on/off, light turns on/off. Comes on during a power failure.



Sensor Used as Master Function



*In total link QTY is Max. 10 lamps included the Master light

Check that...

- You have correctly identified the wires.
- The connections are tight.
- No loose strands have been left out of the connection block

Technical data

Supply Voltage: 220-240V~, 50 Hz
Bulb Type: 15/12/8W LED module (SMD) CCT, 3000/4000/6000K, 1500/1200/800Lm - 140Lm in EM mode
This product contains a light source of energy efficiency class **D**.

 Non-replaceable light source  Replaceable control gear by a professional

UKCA Conformity with all relevant UKCA Directive requirements.

CE Conformity with all relevant EC Directive requirements.



The power supply is Double Insulated and does not require connection to an Earth circuit.



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This product is not suitable for dimming.



This product is rated at IP65.

Battery parameters:

Duration :	3 hours (180 Minutes)
Maximum Operating Humdity :	90%
Change over time :	Approximately 1s
Battery Specification :	LifePO4 3.2V 1500mAh
Battery Charge Time :	24 Hours
Battery warranty :	5 years
Ambient Temperature :	0°C - 45°C