

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.<br>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.

For further information, please visit <https://www.lighting-info.co.uk/95542>

V8 30/01/2024  
UK Manufacturer: BH17 7BY  
EU Manufacturer: Brilliant AG,  
Brilliantstrasse 1, D-27442 Gnarrenburg



Instruction manual

HeroPro CCT Microwave Emergency

95542, 103940




www.saxbylighting.com



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 light fitting 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 the IEE Wiring regulations and current Building Regulations.

Check the pack and make sure you have all the parts listed.

To prevent electrocution switch off at the 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 distances between each light fitting.

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

The mains supply cable must have a minimum cross section 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 the switch is turned off before installation.


The ceiling surface must be flat and smooth to ensure a good fit.

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

- Twist and remove the lamp cover from the product, keep safe for refitting later.
- Turn the clip to loose the LED tray in the rear casing.
- 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.
- Fix the rear casing into the position using the installation plugs and screws.
- Pull the cable through the cable entry hole and seal to maintain the IP rating and wire as detailed Wiring Diagram.



The wattage is changeable between the different wattage using the wattage switch on the driver before installation.

 For the 95542 is the 18W/14W/9W selectable

 For the 103940 is the 28W/24W/20W selectable

The colour is changeable between 3000/4000/6000K using the CCT switch on the driver before installation.



Choose your preferred wattage and colour before installing by wattage switch or CCT switch on the driver.  
Note: Before you change the wattage or colour, please turn off the power switch for safety.

Technical data

Supply Voltage: 220-240 V~, 50 Hz

Bulb Type: 95542----18/14/9W LED (SMD) CCT, 3000/4000/6000K  
900/1400/1800Lm - 143.8Lm in EM mode

103940----28/24/20W LED (SMD) CCT, 3000/4000/6000K  
2000/2400/2800Lm - 190Lm in EM mode

These products contain a light source of energy efficiency class **D**.


 Non-replaceable light source


 Replaceable control gear by a professional




Conformity with all relevant UKCA Directive requirements.


Conformity with all relevant EC Directive requirements.


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

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

 This product is not suitable for dimming.

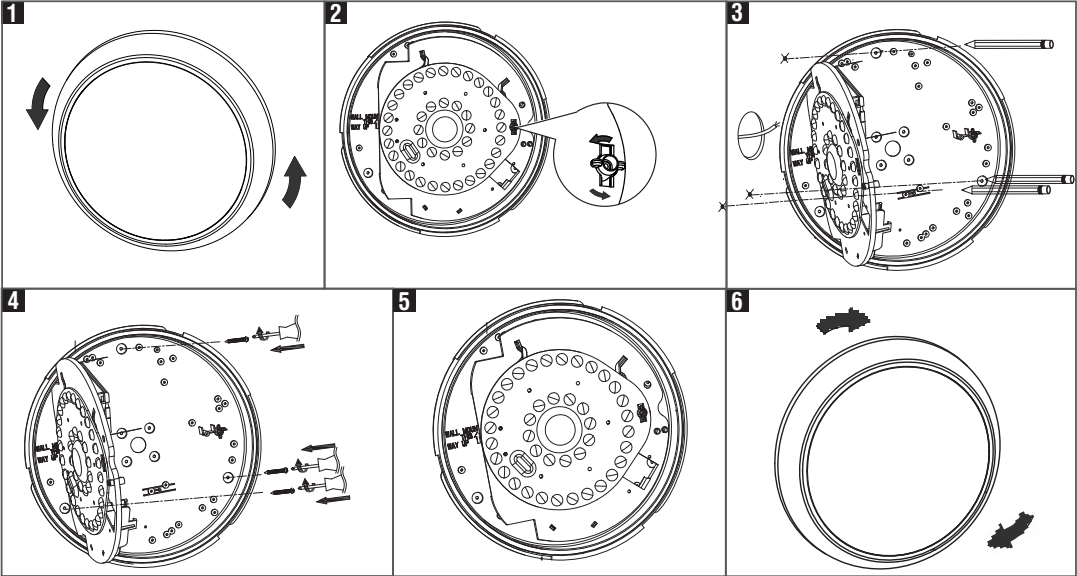
 This product is rated at IP65

 This product is rated at IK10 for 95542.

 This product is rated at IK08 for 103940.

| 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            |

- Unscrewed the battery box cover and then connect the battery DC connector together before commissioning.
- Refit the LED tray back into the rear casing and lock the clip.
- Twist 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.



\* Product images may vary.

Bezels for 95542 only

The following individual casings are available for purchase separately.

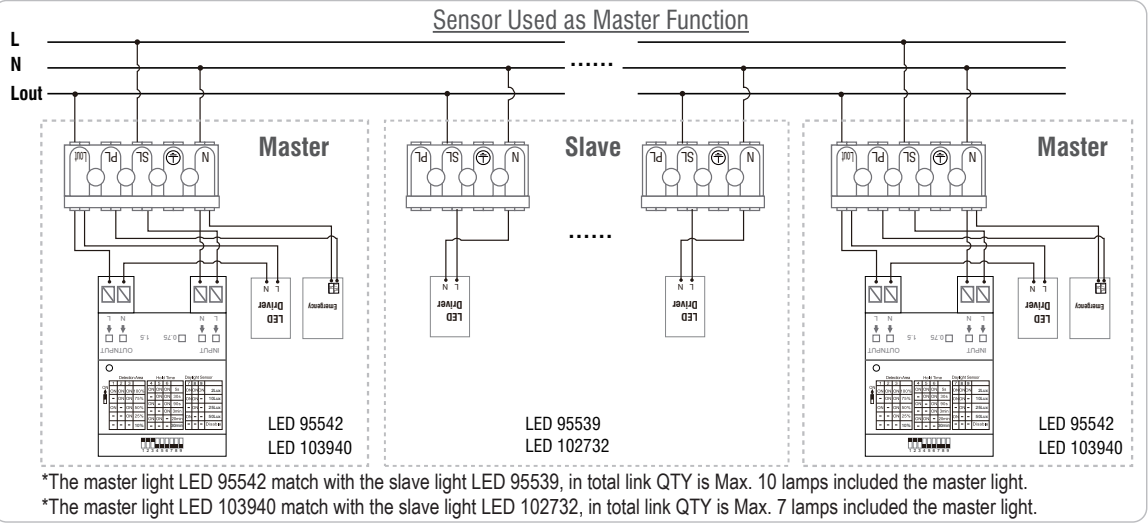
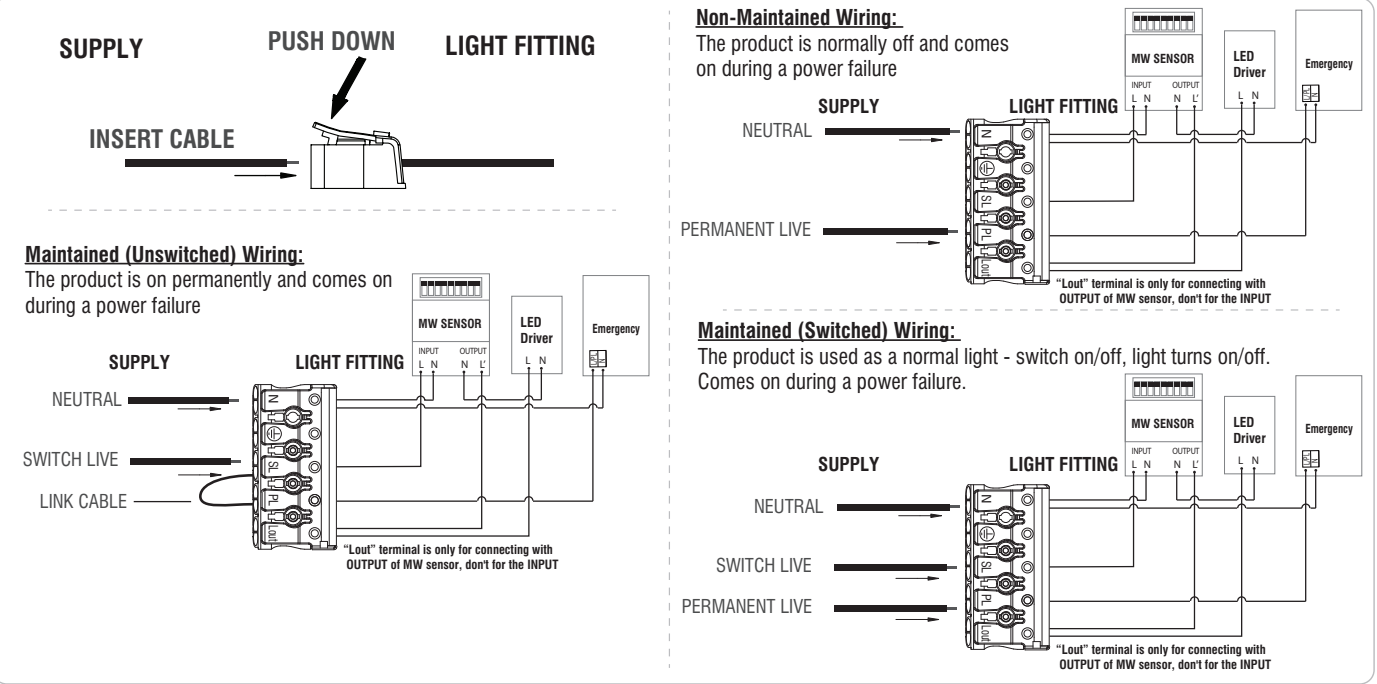
95545 : Chrome plain  
95548 : Black plain  
95551 : Anthracite grey plain

95546 : White eyelid  
95549 : Black eyelid  
95552 : Anthracite grey eyelid

95547 : White grill  
95550 : Black grill  
95553 : Anthracite grey grill

Wiring

- This product is double insulated and must not be earthed. If there are any incoming earth cables, they must be joined together and well insulated with good quality insulation tape. This is to ensure earth continuity throughout your property.
- Having correctly identified the wiring from your existing light fitting, connect to the quick fit connection block in the following way, using the supplied link cables where necessary.



Check that...

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