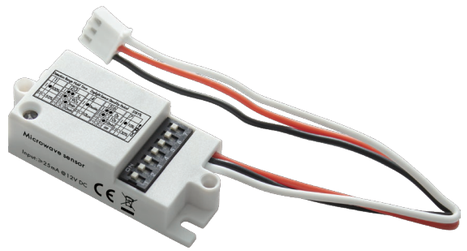
Stepped Dim Microwave Movement Sensor

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

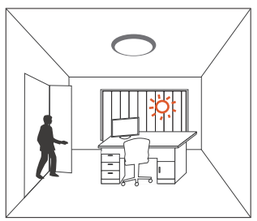
MULTI-FUNCTION SENSOR SPECIFICATIONS:

DC Input Voltage	12±1V DC
Rated Voltage	12±0.6V DC
Stand-by Power	<0.3W
Efficiency	⩾80%
Operating Frequency	5.8 GHz ±75 MHz
Transmitting Power	0.2mW Max.
Hold Time	5s / 90s / 3min / 10min
Stand-by DIM Level	10% / 30%
Stand-by Period	0s / 10s /10min / +∞
Detection Area	100% / 50%
Daylight Sensor	10Lux / Disable
Detecting Radius	12m (mounting height 3m)
Mounting Height	6m Max
Detecting Angle	30~150º
Operating Temperature	-20ºC…+60ºC

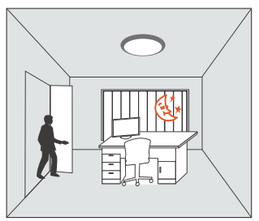


Detection area is effected on volume of motion object and motion speed. The detection area is tested by a 165cm height person and walking speed is 0.3m/s.

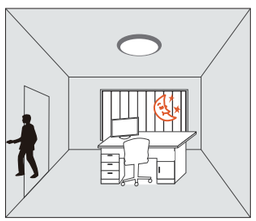
FUNCTION:



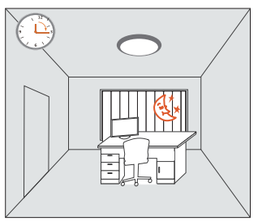
The light keeps off during daytime even when movement is detected. (Ambient lux level is above preset daylight threshold)



With movement and insufficient ambient lux level, the light is triggered on 100% by the detector.



If there is no more movement, the light dims to stand-by dimming level after hold-time.



The light turns off automatically after stand-by time.

DIP SWITCH SETTING:

1.Sensitivity

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

I – 100% II – 50%

	1	
I	●	100%
II	○	50%

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 – 90s
III – 180S IV – 10min

	2	3	
I	●	●	5s
II	●	○	90s
III	○	○	180s
IV	○	●	10min

3.Daylight threshold

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

Note: daylight sensor 10lux only works when light totally off

I – Disable II – 10Lux

	4	
I	●	Disable
II	○	10lux

4.Stand-by time

This is the time period that the light remains at a low level before it is completely turned off.

I – 0s II – 10s
III – 10min IV – +∞

	5	6	
I	●	●	0s
II	●	○	10s
III	○	●	10min
IV	○	○	+∞

5.Stand-by dimming level

Light can be dimmed to different levels after hold-time.

I – 10% II – 30%

	7	
I	●	10%
II	○	30%

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/95544

V7 20/01/2024
UK Manufacturer: BH17 7BY
EU Manufacturer: Brilliant AG,
Brilliantstrasse 1, D-27442 Gnarrenburg

saxby lighting

Instruction manual

HeroPro CCT Step Dimming Emergency

95544

www.saxbylighting.com

saxby lighting

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.

Technical data

Supply Voltage: 220-240 V~, 50 Hz

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

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	0ºC - 45ºC

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.

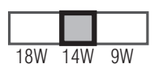
Cables must be protected using suitable conduit or plastic trunking.

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

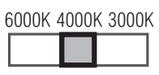
Installation

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 that 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.
- 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.

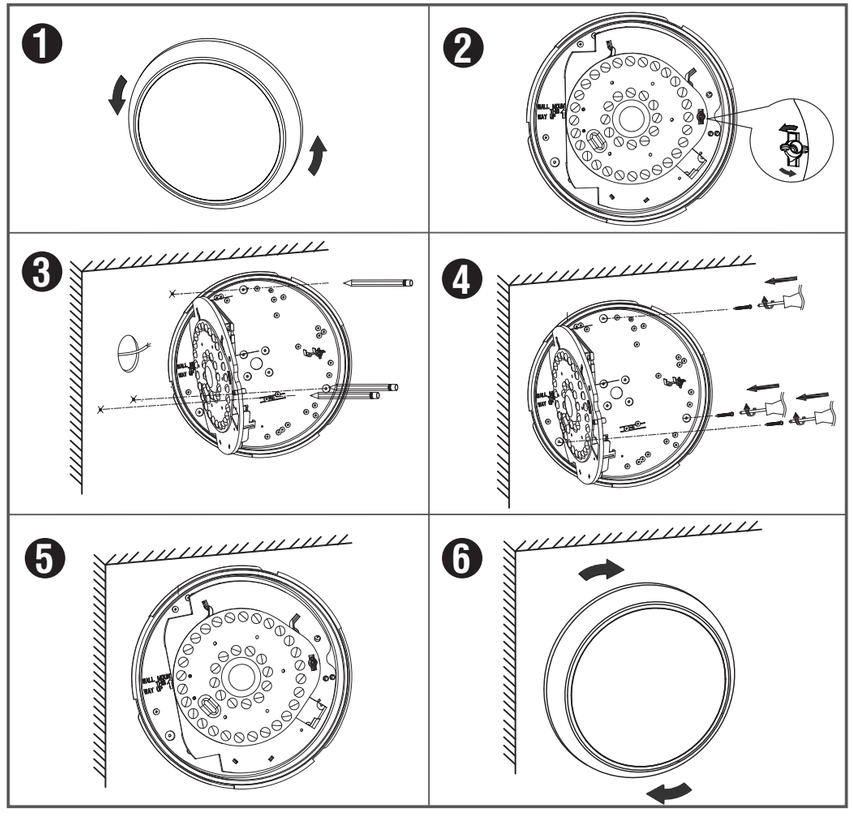


The wattage is changeable between 18/14/9W using the wattage switch on the driver before installation.



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



* Product images may vary.

Bezels

The following individual casings are available for purchase separately.

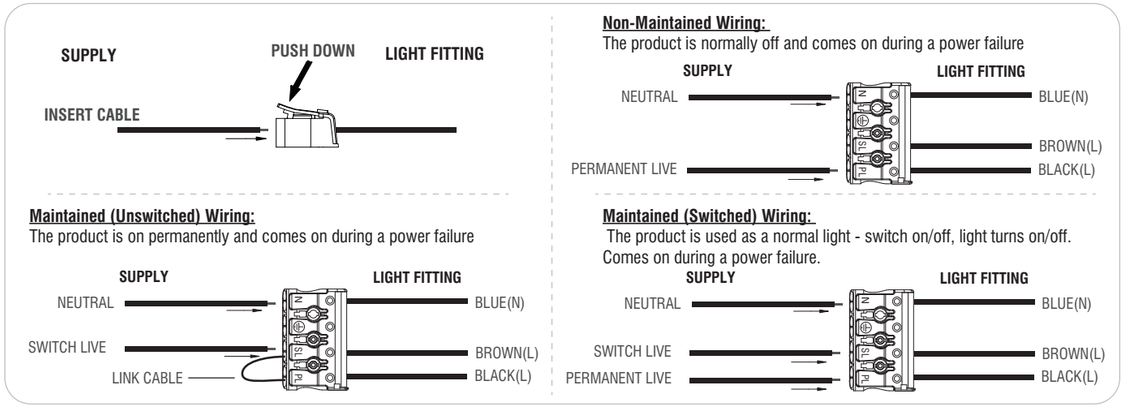
95545 : Chrome plain
95548 : Black plain
95551 : Anthracite grey plain

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