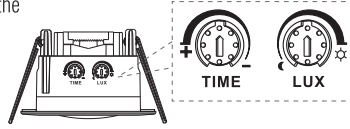


PIR Adjustment

- Turn the TIME knob clockwise on the minimum (10s). Turn the LUX knob clockwise on the maximum (sun)
- Switch on the power, the sensor and its connected lamp will have no signal at the beginning. After Warm-up 30sec, the sensor will start to work. If the sensor receives the induction signal, the lamp will turn on. While there is no another induction signal any more, the load should stop working within $10\text{sec} \pm 3\text{sec}$ and the lamp would turn off.
- Turn LUX knob anti-clockwise on the minimum (moon). If the ambient light is more than 10LUX, the sensor would not work and the lamp stop working too. If the ambient light is less than 10LUX (darkness), the sensor would work. Under no induction signal condition, the sensor should stop working within $10\text{sec} \pm 3\text{sec}$.



Note: When testing in daylight, please turn LUX knob to (sun) position, otherwise the sensor lamp could not work!
If the lamp is more than 60W, the distance between lamp and sensor should be 60cm at least.

Technical data

Supply Voltage: 220-240V~

Power Frequency: 50Hz

Ambient Light: <10-2000LUX (adjustable)

Time Delay: Min. $10\text{sec} \pm 3\text{sec}$

Max. $7\text{min} \pm 2\text{min}$

Rated Load: Max. 2000W 
1000W 

Detection Range: 360°

Detection Distance: Max. 8m (<24°C)

Working Temperature: $-20 \sim +40^\circ\text{C}$

Working Humidity: <93%RH

Power Consumption: approx 0.5W

Installation Height: 2.2-4m

Detection Moving Speed: 0.6-1.5m/s



Conformity with all relevant UKCA Directive requirements.



Conformity with all relevant CE 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 rated at IP65.

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 changing lightbulbs, or cleaning.

Some Problem and Solved Way:

The load does not work:

- Please check if the connection of power source and load is correct.
- Please check if the load is good.
- Please check if the settings of working light correspond to ambient light.

The sensitivity is poor:

- Please check if there is any hindrance in front of the detector to affect it to receive the signals.
- Please check if the ambient temperature is too high.
- Please check if the induction signal source is in the detection field.
- Please check if the installation height corresponds to the height required in the instruction.
- Please check if the moving orientation is correct.

The sensor can not shut off the load automatically:

- Please check if there is continual signal in the detection field.
- Please check if the time delay is set to the maximum position.
- Please check if the power corresponds to the instruction.

Instruction manual

PIR IP65

108279



V3 19/07/2026

UK Manufacturer: BH17 7BY

EU Manufacturer: Brilliant AG,
Brilliantstrasse 1, D-27442 Gnarrenburg

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lighting

www.saxbylighting.com

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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 product 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 IET 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.

Layout

This product is designed for optimum performance when mounted in ceiling 2.2-4m above the ground.

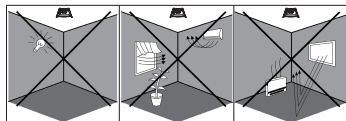
The mains supply cable must have a minimum cross section area of 1.0mm².

Cables must be protected using suitable conduit or trunking.

Avoid pointing the detector towards objects with highly reflective surfaces, such as mirrors etc.

Avoid mounting the detector near heat sources, such as heating vents, air conditioning units, light etc.

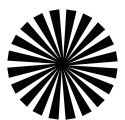
Avoid pointing the detector towards objects that may move in the wind, such as curtains, tall plants etc.



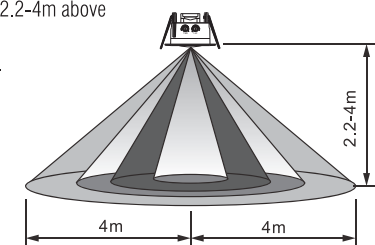
Human movement patterns may affect the sensor's detection performance



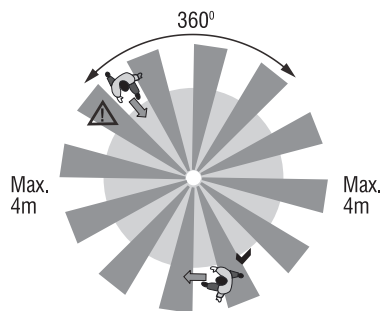
Good sensitivity



Poor sensitivity



Height of installation: 2.2-4m



Detection Distance: Max.8m

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.

After deciding the layout of the light fittings ensure that the cables are long enough to connect to desired positions.

Cover or shield any adjacent live components.

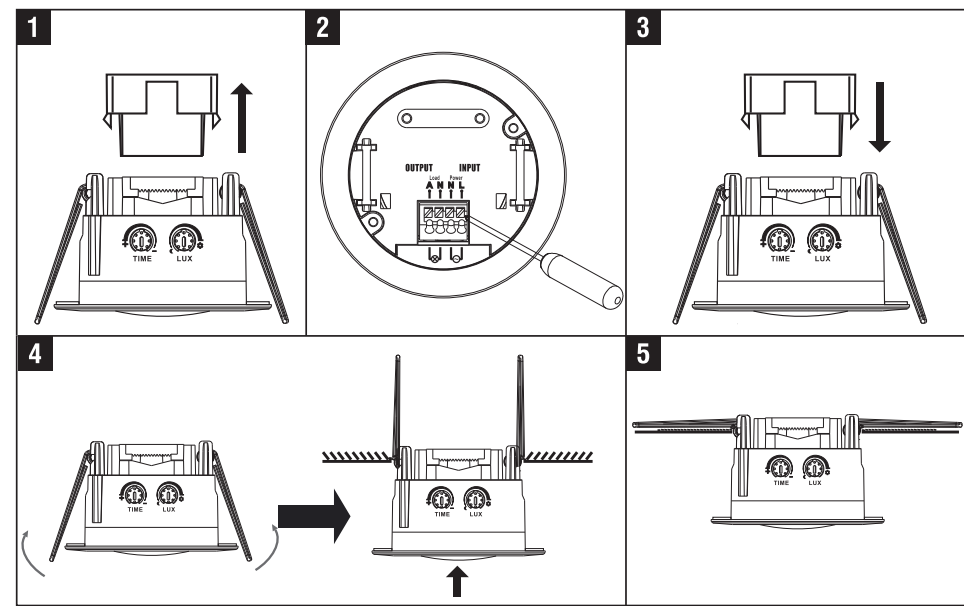
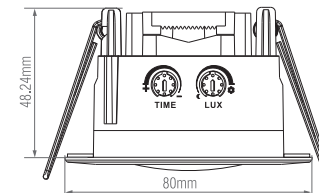
If replacing an existing fitting, make a careful note of the connections.

This unit should be connected to a fused circuit.

This unit is only suitable for indoor use.

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.

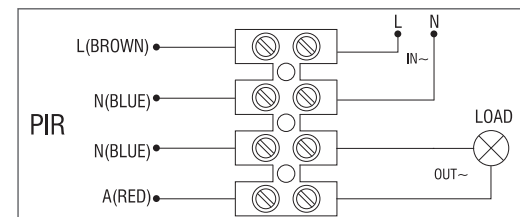
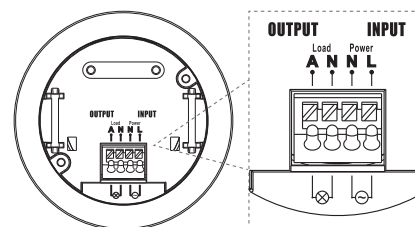
- Cut a mounting hole 61.5mm diameter in the ceiling taking care not to foul any pipes, mains cables or joists beneath the surface. It is always recommended to cut the hole slightly smaller than the size specified, and then file the hole until the recessed unit fits snugly.
- Ensure a minimum ceiling void depth of 52.8mm is available.
- Unload the transparent vinyl cover which is at the top of the sensor.
- Loose the screws in the connection terminal, and then connect the power to connection terminal of sensor according to connection-wire diagram.
- Install back the transparent vinyl cover into the original location.
- Fold the metal spring of the sensor upwards, until they are in "I" position with sensor, and then put the sensor into the hole or installation box which is on the ceiling and has the similar size with the sensor. Releasing the spring, the sensor will be set in this installation position.
- After finishing installing, turn on the power and then test it.



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 and connect to the connection block at the bottom of the sensor in the following way:



Check that...

You have correctly identified the wires

The connections are tight

No loose strands have been left out of the connection block