

**DO IT YOURSELF (\*)**

**\* WARNING:** Power socket and any alteration or additions to building wiring must be done by a licenced electrician or person authorised by legislation to work on the fixed wiring of any electrical installation.



**SPECIFICATIONS:**

Model No:	20849/05 White 20849/06-Black
Base material:	Polycarbonate
Fitting:	LED security light
Voltage :	220V – 240V AC 50Hz
LED:	2 x 10W COB LED, daylight, 1500lm Not dimmable
IP rating:	IP44
Safety Class:	Class II
Weight:	0.5kg
Dimensions:	200mm x 290mm x 200mm Base only: $\Phi 110\text{mm}$
Sensor:	Range 180 /12m; Time: 7s- 5min ,SENSITIVITY min to max adjustment. LUX: 5lx to 2000lx. Manual override: YES; Switch action: 'OFF-ON' within 2 sec. Return to AUTO mode: turn it OFF for 10s or more, then turn it back ON. Timer restarts after each subsequent detection;

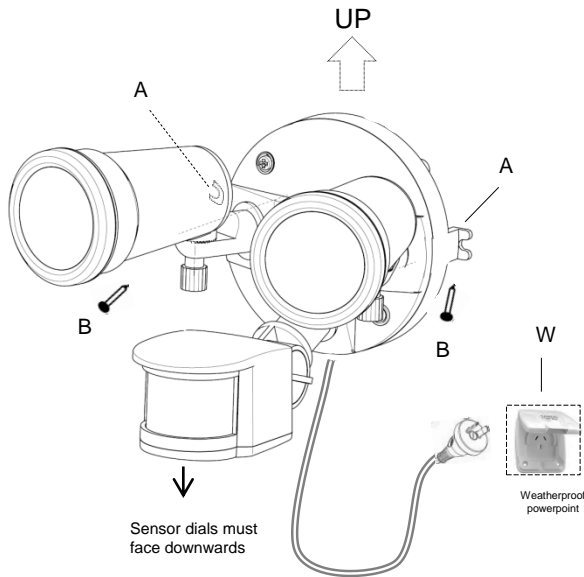
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Before first using your new Brilliant security light it is most important that you read and follow these instructions, even if you feel you are quite familiar with this type of product. Keep this document handy for future reference.

## Installation Instructions

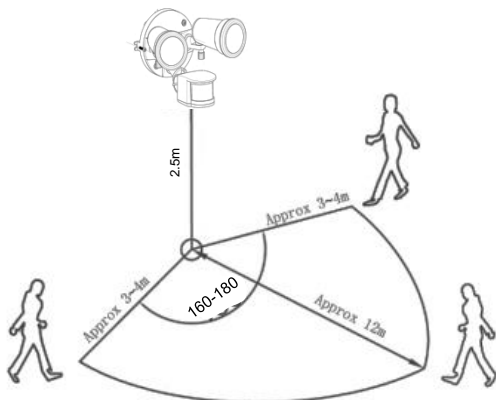
### DO IT YOURSELF (\*)

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**NOTE:** This fitting is fitted with cable and plug and it is designed to be plugged into existing, outdoor, weatherproof power point.  
If hardwired it must be installed by **QUALIFIED ELECTRICIAN!**

- 1) Position the base against the mounting surface and mark the positions for the mounting screws using feet 'A' as a template.
- 2) Drill two holes in the mounting surface, then insert rawl plugs into the holes.
- 3) Secure fitting onto the mounting surface by two screws 'B' ensuring that the fitting faces 'UP'. Refer to the UP arrow on the back of the base.
- 4) Insert plug into existing weatherproof powerpoint 'W' and turn the power ON.
- 5) **INITIAL TESTING:** Adjust Time to min, LUX to day, Sensitivity approx. to 50%. Walk across the detection area.  
-Adjust light heads into desired direction.  
-Readjust sensor parameters: TIME, SENSITIVITY LUX to desired level.



Note: Best result is achieved when movement is across the detection area.

**WARNING:** Never face sensor towards SUN !



TROUBLESHOOTING

PROBLEM	POSSIBLE REASON	POSSIBLE SOLUTION
Light does not switch ON when there is movement in the detection area	1. No mains voltage	Check all connections, fuses/switches
	2. Nearby lighting is too bright.	Redirect sensor or relocate the lamp
	3. Sensor positioned in wrong direction	Redirect sensor
	4. It a sunny day when LUX setting is too low and Sensitivity setting is too low	Adjust LUX and SENS settings
	5. Light fitting may be faulty or has connection problem	Check light fitting,/globe and wiring connections.
Sensor will not operate during daylight. (Testing mode)	1. No power 2. Sensor isn't set into daylight operation mode.	First check that the power is turned 'ON'. Check connections, fuses, circuit breakers. Check LUX control knob is fully set for 'DAY' operation
Light switches ON for no apparent reason. False triggering.	1. Heat sources such as air-con, vents, heater flues, barbecues, other outside lighting, moving cars, activates the sensor.	Redirect sensor away from those sources. Readjust Sens and LUX controls to lower levels.
	2. Dogs, cats, home animals possums, birds	Adjust/Redirect/Relocate the sensor .
	3. Wind and draughts activated the sensor.	Cover sensor with a black cloth for a period of 5 min to check that the light does not trigger. Sometimes passages between buildings etc. can cause a "wind tunnel" effect. Adjust/Relocate the sensor light.
	4. Electromagnetic interference, from other electronic devices, ON /OFF switching of existing fluorescent, LED, lights etc. wired in the same circuit with sensor light, may cause to trig the light. For example a faulty wall switch or noisy fluorescent tubes/starters may cause to activate the light.	a. Wire the fitting to it's dedicated circuit with wall switch (*) b. Replace the faulty devices, switches in the circuit. c. Replace noisy fluorescent tubes and/or starters. d. Relocate the sensor light. (* Always recommended
	5. Reflection from swimming pool, or reflective surfaces ( e.g. polished floors) or direct sunlight.	Redirect sensor from direct sunlight otherwise the photocell may get damaged. Redirect sensor.
Sensor not turning OFF Light remains ON	1.The sensor is in 'Manual override mode'. 2. Continuous false triggering 3. Sensor is being activated again before the expire of the time set	Set the sensor back into Auto Mode. Turn it OFF, wait min 30s the turn it back ON. Redirect/relocate the fitting to avoid false activation. Check for any extra sources of heat/air movement within detection area such as animals, moving objects. Adjust the sensor head and controls accordingly.
Sensor will not operate at night.	Ambient light is too high.	The level of ambient (street) light in the area may be too high. Adjust LUX level control accordingly and remove any other sources of ambient light if possible.
Sensor switches ON during daylight.	1.Low level of ambient light	The level of ambient light in the area may be too dark to allow operation in Nighttime only mode. Re-adjust the LUX control accordingly. Redirecting the sensor may help
	2. LUX control knob is set to daylight position.	Check and turn the LUX control knob to night operation
The detection distance becomes shorter	1.The sensor lens is dirty	Cleaning the LENS use soft cloth soaked with water, don't scratch the LENS.
	2. Warm and wet environment	Dry/clean the sensor
Sensor will not operate at all.	No power. Sensor faces the SUN.	Check that the power is switched ON at the circuit breaker or internal wall switch. Check that connections are not loose. Redirect sensor away from SUN.



**Care information**

- Please handle the fitting with care. Clean with soft dry cloth, do not use chemicals.

**For your safety**

- Ensure power is turned off before installation and cleaning.
- During use the light assembly becomes hot. Do not touch any parts of light assembly when it's hot and while it's 'ON'.
- Be aware of the height of your installation. Refer to 'Working on heights' guide from your local Worksafe Authorities.
- Turn the power OFF before cleaning/maintenance.

**WARNING**

- Any alteration or additions to building wiring must be done by a licenced electrician or person authorised by legislation to work on the fixed wiring of any electrical installation.
- This fitting has no serviceable parts. Recycle in accordance with your local recycling procedures !

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**Warranty:**

Brilliant Lighting warrants this product against defects in manufacture and workmanship for a period of 2 years from date of purchase.. This warranty is only valid for products installed by a qualified electrical contractor and operated within the guidelines specified by Brilliant Lighting, and within the correct operating voltage ranges as stated on the product's rating label.

Warranty does not include damage or loss arising from incorrect installation, operation or maintenance of this product, damage caused through modification, incorrect installation, service by unqualified or unauthorised personnel or lack of regular maintenance and cleaning. Proof of installation by qualified personnel may be required, eg. Electrical Safety Certificate. Proof of purchase must be supplied with all warranty claims.

This warranty is provided in addition to any other rights and remedies of the customer under any law. In applications not intended for household, personal or domestic use, liability is limited to replacement or reimbursement of product only. Brilliant Lighting does not warranty the costs of removal or re-installation of this product or associated components.

*Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if goods fail to be of acceptable quality and the failure does not amount to a major failure.*

Any claim under this warranty must be made within the specified warranty period from date of purchase of the product. To make a claim under the warranty; at your own expense take the product (with proof of purchase – receipt or similar) to the store where you purchased the product or contact Brilliant Lighting at the address below.

*For Warranty and Sales enquires:*

Brilliant Lighting (Aust)Pty. Ltd.  
956 Stud Road Rowville, VIC 3178  
Phone: 03 9765 2555

Email: [warranty@brilliantlighting.com.au](mailto:warranty@brilliantlighting.com.au)

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