

**SENTINEL 2 LIGHT ADJUSTALBE SPOTLIGHT
WITH MICROWARE SENSOR**

SKU# 240930, 240931

Rated Voltage 220-240V~ 50Hz

To ensure correct function and safety, please read and follow all instructions carefully before assembly, installation, and use of this product. Please keep instructions for future reference.

Warranty

- This luminaire is covered by a 5-year warranty. The warranty is from date of purchase, not the date of installation.
- If the luminaire is not assembled and installed by a licensed electrician, the warranty will be void.
- Please retain the proof of purchase and evidence of installation by a licensed electrician for any warranty enquiries.
- Warranty will be void if there is any damage due to improper usage or modification to the luminaire.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void the warranty.

Installation Requirements

- This luminaire must be assembled and installed by a licensed electrician.
- All wiring and installation of the luminaire must adhere to the latest local and national wiring rules.
E.g. AS/NZS 3000 Electrical Installations.
- The luminaire is a Class I product and must be earthed during wiring and installation.
- This luminaire is rated IP54 and must be maintained during wiring and installation of the luminaire.
- The luminaire must not be used if the protective shield or shade has been cracked or damaged. Replace the protective shield or shade before using the luminaire.
- Do not exceed the maximum wattage rating.
- Select a suitable location for installation:
 - The mounting point must support 2 times the weight of the luminaire.
 - This luminaire is protected against water penetration to IP54 standards, which is against low-pressure jets of water from all practicable directions. This must be maintained during wiring and installation.
 - It is recommended the luminaire is installed on its own switch and not interconnected with other luminaires on the same switch, as it may cause the luminaire to switch on unintentionally.
 - Avoid installing the luminaire in close proximity or on the same circuit to any fluorescent luminaires or ceiling fans. RFI interference may cause the luminaire to switch on unintentionally.
 - See the **Sensor Information** section in this instruction manual for additional information about the sensor detection range and sensitivity, to select a suitable installation location.
- Take care not to pull any electrical wires during unpacking as this may damage the connection.
- Lay out all the components on a smooth surface and make sure no components are missing before assembling. If parts are missing, return the complete product to the place of purchase for inspection or replacement.
- Check whether the luminaire has been damaged during transport. Do not operate/install any product which appears damaged in any way. Return the complete product to the place of purchase for inspection, repair, or replacement.
- Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.

Sensor Information**PIR (PASSIVE INFRA-RED) SENSOR:**

The luminaire has a PIR (Passive Infra-Red) sensing device which continuously scans the operating zone and immediately switches the luminaire on when it detects any movement in that area. Whenever movement is detected within the sensor range, the luminaire will switch on automatically to illuminate the area.

NOTE: While there is movement within the sensor range, the luminaire will remain on.

SENSOR LOCATION & DETECTION:

- The ideal mounting height is between 1.5m – 2.5m (Fig. A)
- The maximum detection area is approximately 7m away with an angle of 120°. The detection area will vary depending on the mounting height and items in the detection area. (Fig. A)
- The sensor has increased sensitivity with movement across the detection area. (Fig. B)
- The sensor has reduced sensitivity with movement towards and away from the detection area. (Fig. C)
- If movement is made walking directly towards or away from the sensor and not across its detection area, the detection range will be substantially reduced.
- The detection area may also alter at different temperatures.
- To avoid damage to the sensor, do not aim the sensor towards the sun.
- To avoid false triggering:
 - The sensor should be directed away from potential heat sources such as air conditioners, exhaust vents etc.
 - Avoid areas with strong electromagnetic disturbance, outside lighting, moving cars, trees, pets etc.
 - Do not aim towards reflective surfaces, such as smooth white walls, swimming pools, ponds etc.
 - It is recommended the luminaire is installed on its own switch and not interconnected with other luminaires on the same switch.
 - Avoid installing the luminaire in close proximity or on the same circuit to any fluorescent luminaires or ceiling fans. RFI interference may cause the luminaire to switch on unintentionally.

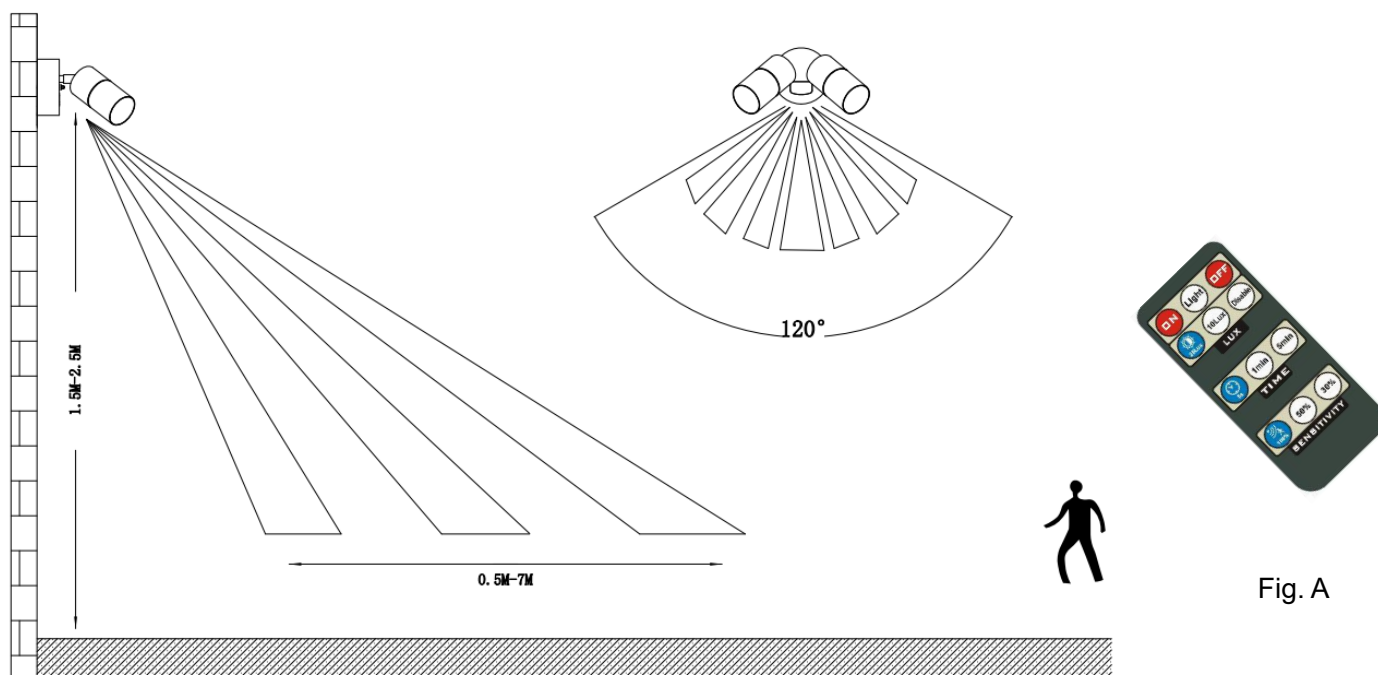


Fig. B

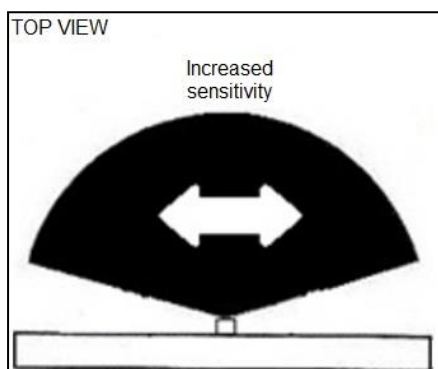
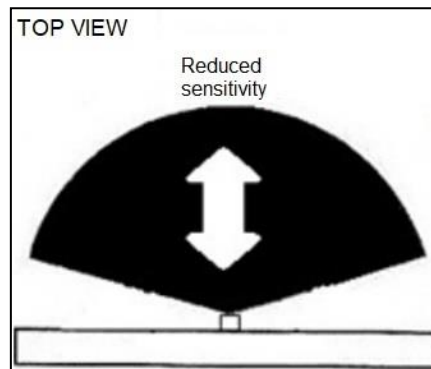


Fig. C

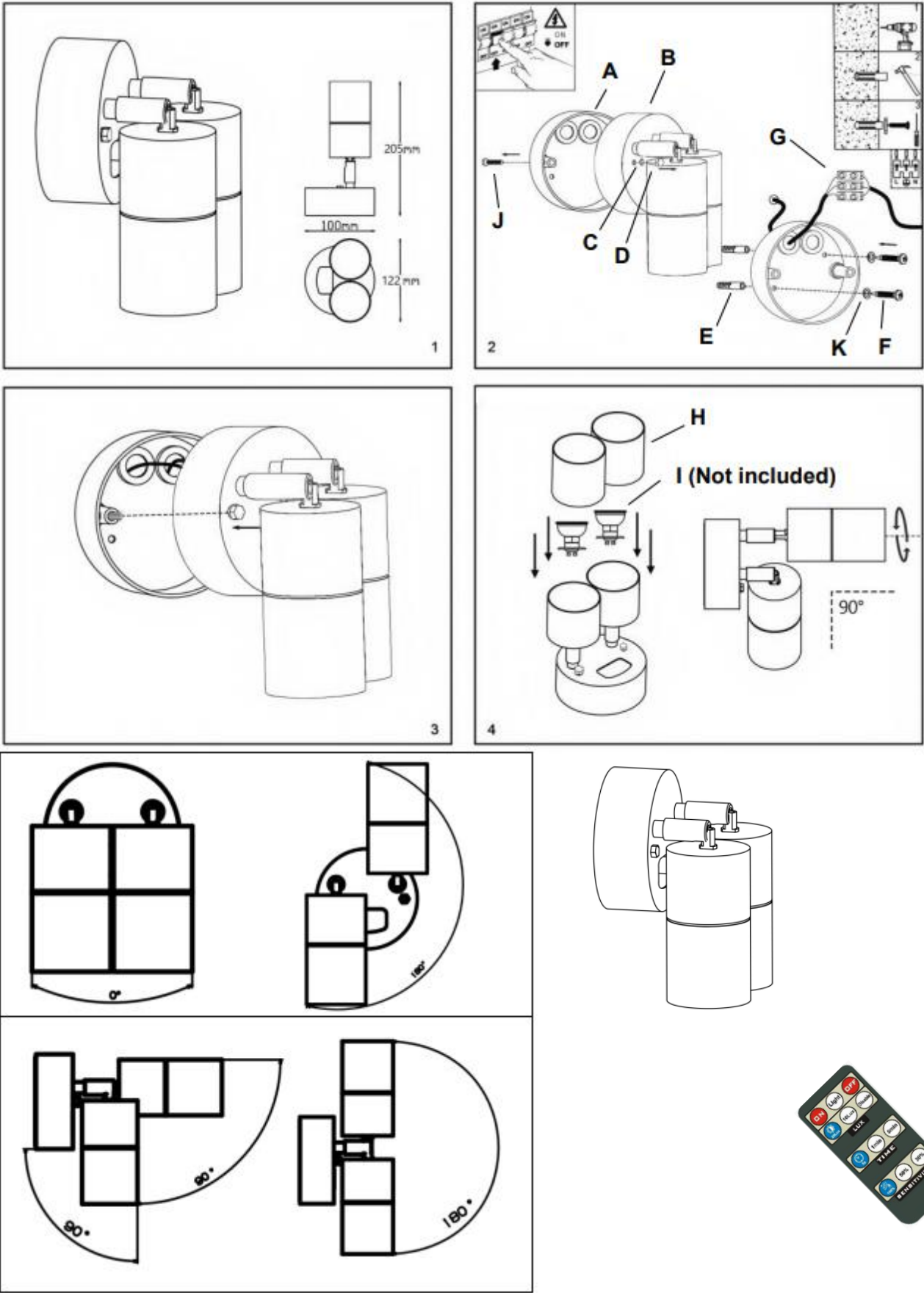


Installation Directions

- Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.
1. Remove all packaging material from the product and be careful not to throw away accessories that may be hidden within the packaging material. If assembly is required, place the luminaire on a smooth non-scratch surface.
 2. Remove the mounting base (A) from the luminaire (B) by loosening the screw (J), nut (D) & silicone pad (C) in the front.
 3. Use the mounting base (A) as a template to mark the screw hole positions on the wall.
 4. Install the mounting base (A) onto the wall using appropriately sized mounting screws (F) & o-shaped silicone washers (K) and anchors (E). Ensure the screws (F) and anchors (E) used are suitable for the mounting surface and the surrounding environment.
- NOTE: Ensure the o-shaped silicone washers (K) are used to install the mounting bracket to maintain the IP54 rating of the luminaire.**
- NOTE: A non-corrosive bead of silicone MUST be applied before installation onto the wall ensuring that no water can run down into the cabling.**
5. Connect the mains supply wire to the terminal block (G). Ensure that the wires are secure, and no bare wires are exposed.

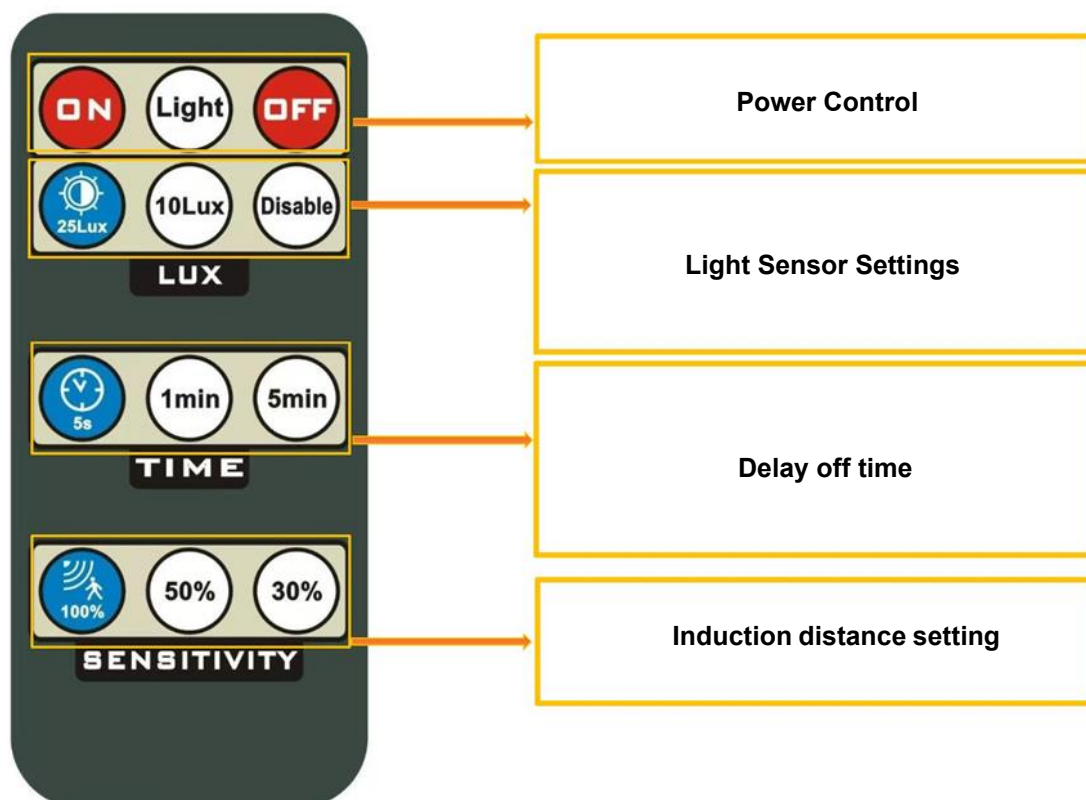
Mains Supply Wire	Luminaire Wire / Terminal block
Earth – Yellow/Green	Yellow/Green or 
Neutral – Blue or Black	Blue or N
Live – Brown or Red	Brown or L

- NOTE: The luminaire is a Class I product and must be earthed during wiring and installation.**
6. Install the luminaire (B) back onto the mounting base (A) and secure by tightening the screw (J), nut (D) & silicone pad (C) in the front.
- NOTE: Ensure the silicone pad (C) are used to install the screw (J) & nut (D) to maintain the IP54 rating of the luminaire.**
7. Remove the shades (H) from the luminaire.
 8. Install globes (I - not included) into the lamp holder of luminaire. Do not exceed the maximum wattage rating.
 9. Install the shades (H) back onto the luminaire.
- NOTE: Ensure the grommet on the shade forms a tight seal with the luminaire to maintain the IP54 rating.**
10. After the installation, switch on the luminaire to test all the lighting functions and enjoy your new lighting product.



NOTE: When adjusting the lamp head assembly (H), do not adjust more than the degrees shown in above diagram, as this may damage the internal wires.

Operation of the Remote Controller



Power Control

ON: Press to turn on (default to turn on when powered on for the first time).

Light: Press to turn on the long-bright mode.

OFF: Press to turn off (the configured parameters will be retained after power-off).

Light Sensor Settings

Control induction turns on when ambient light is insufficient

25Lux: Induction can be triggered when ambient light $\leq 25\text{Lux}$ (dim light)

10Lux: Induction can be triggered when ambient light $\leq 10\text{Lux}$ (dark)

Disable: Turns off light induction and is triggered only by microwave induction (regardless of ambient light brightness)

Example: Set to 10Lux → Triggered only when an object is detected in a dark environment (such as at night)

Delay off time

Control the off-delay after induction triggering to light up:

5s: After triggering to light up, it will automatically turn off after continuous lighting for 5 seconds.

1 min: After triggering to light up, it will automatically turn off after continuous lighting for 1 minute.

5 min: After triggering to light up, it will automatically turn off after continuous lighting for 5 minutes.

It only takes effect for the lights lit by microwave induction triggering, and the long lighting turned on manually by Light is not affected.

Induction distance setting

Adjust the microwave induction detection area (30% - 100%), that is, the setting of the detection area size / induction sensitivity. The detection range can be set to 30% / 50% / 100% according to requirements.

Safety Tips

- Always ensure the power is OFF and the luminaire has cooled down before performing any maintenance, cleaning, changing the globe or making any adjustment to the luminaire.
- The luminaire must not be used if the protective shield or shade has been cracked or damaged. Replace the protective shield or shade before using the luminaire.
- To avoid injury or damage to the luminaire, ensure that power leads and screws are secure before connecting the power.
- To clean, wipe with a soft damp cloth. Do NOT soak or immerse the luminaire in water or other liquids.
- Ensure that the luminaire does not come in contact with corrosive chemicals/solvents or abrasive cleaners etc.

Specifications

SKU #	240930	240931
Colour	Black	White
Rated Voltage	220-240V~ 50Hz	
Rated Wattage	20W Max. (2 x Max.10W LED globe only)	
Lamp Holder	GU10	
IP Rating	IP54	
Battery for remote	2 x AAA (Not included)	
Weight	1.0kg	
Luminaire Dimensions	H:250mm W:310mm E:205mm	