

SENTINEL LED SPOT SENSOR LIGHT

SKU# 19606

Rated Voltage 220-240V~ 50Hz

Thank you for purchasing this quality LEDlux product. To ensure correct function and safety, please read and follow all instructions carefully before **assembly, installation and use**. Please keep instructions for future reference.

Warranty

- This light fitting is covered by a 3 year warranty. **The warranty is from date of purchase, not the date of installation.**
- **If the fitting is not installed by a licensed electrician the warranty will be void.**
- Please retain proof of purchase and evidence of installation by a licensed electrician.
- Warranty will be void if there is any damage due to improper usage or modification to the fitting.
- **Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void warranty.**
- **This fitting is not suitable for use with dimmer switches. Warranty will be void if the fitting is used on the same circuit which has a dimmer switch.**

Installation requirements

- Must be assembled and installed by a licensed electrician.
- All wiring and installation of the luminaire must adhere to latest local and national wiring rules.
eg. AS/NZS 3000 Electrical installations.
- This luminaire is not suitable for use with dimmer switches and should not be used on a circuit which has a dimmer.
- Select a suitable location for installation:
 - This luminaire is protected against water penetration to IP44 standards, which is splashing from every direction. This must be maintained during installation.
 - It is suitable for indoor or outdoor use.
 - The mounting point must support 2 times the weight of the luminaire.
- 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 there are no components 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.

PIR sensor information

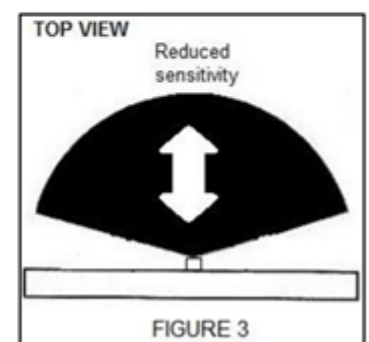
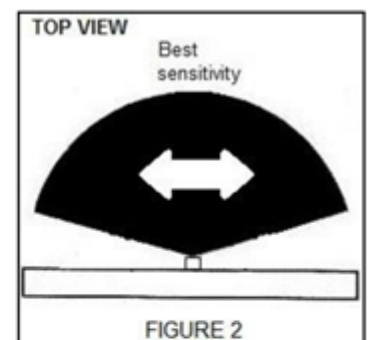
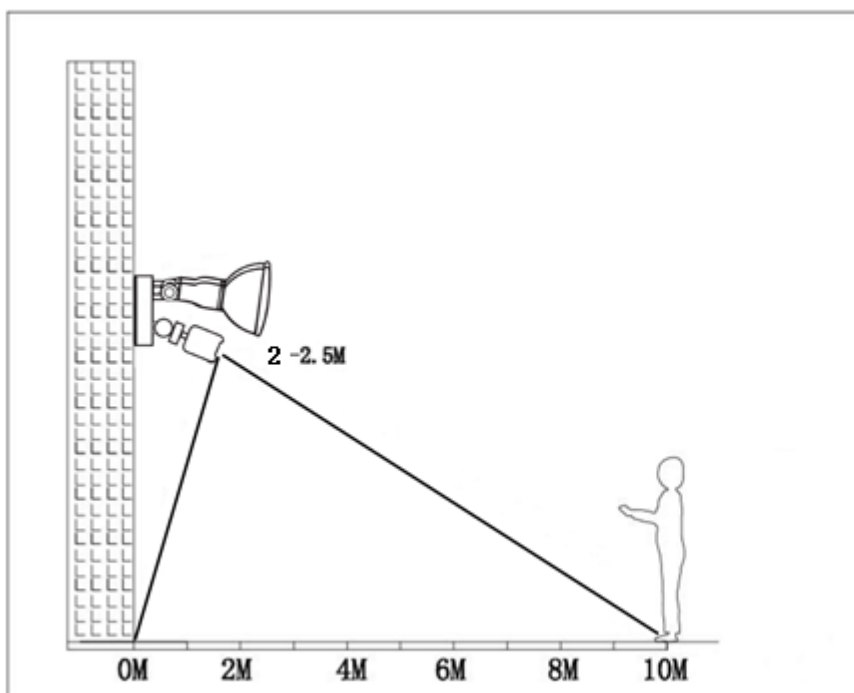
PIR (PASSIVE INFRA RED) SENSOR:

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

SENSOR LOCATION & INFORMATION:

To find a suitable location for installation, please take into consideration the following points:

- The ideal mounting height for the fitting is between 2m to 2.5m above the detection area (figure 1).
- The detection area is approximately 10 metres away at an angle of 100° wide. This may vary depending on the mounting height and location.
- The detection area may also alter at different temperatures. PIR sensors are more sensitive in cold weather than warm weather.
- The sensor has better sensitivity with movement across the detection area (figure 2).
- The sensor has reduced sensitivity with movement towards and away from the detection area (figure 3).
- If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced.
- To avoid false triggering, the sensor should be directed away from potential heat sources, such as barbecues, air-conditioners, air vent etc.
- Also avoid areas with electromagnetic disturbance, outside lighting, moving cars, trees or pets etc.
- Avoid installing the fitting in close proximity or on the same circuit to any fluorescent light fittings or ceiling fans. RFI (Radio Frequency Interference) may cause the fitting to switch on unintentionally.
- Do not aim the sensor towards reflective surfaces, such as smooth white walls, swimming pools etc.
- To avoid damage to the sensor, do not aim the sensor towards the sun.
- It is recommended that the fitting is installed on its own switch and does not interconnect with other lights on the same switch as it may cause false triggering.



Installation directions

Remove all packaging material from the product and be careful not to throw away accessories that may be hidden within the packaging material.

1. Ensure power to the circuit you are working on has been switched OFF before commencing any electrical work.
2. Remove the mounting bracket from the body of the fitting by loosening the screw.
3. Use the mounting bracket as a template to mark the screw positions onto the wall.
Drill holes into the wall and push the plastic anchors into the holes.
4. Loosen the cord anchorage near the terminal block.
5. Push the mains supply wire through the cord entry point on the mounting bracket. Depending on the installation location, additional silicon may need to be added to maintain the IP44 rating of the fitting.
6. Connect the mains supply wire to the terminal block provided. Ensure that the wires are secure and no bare wires are exposed.

Mains Supply Wire

Neutral – Blue or Black

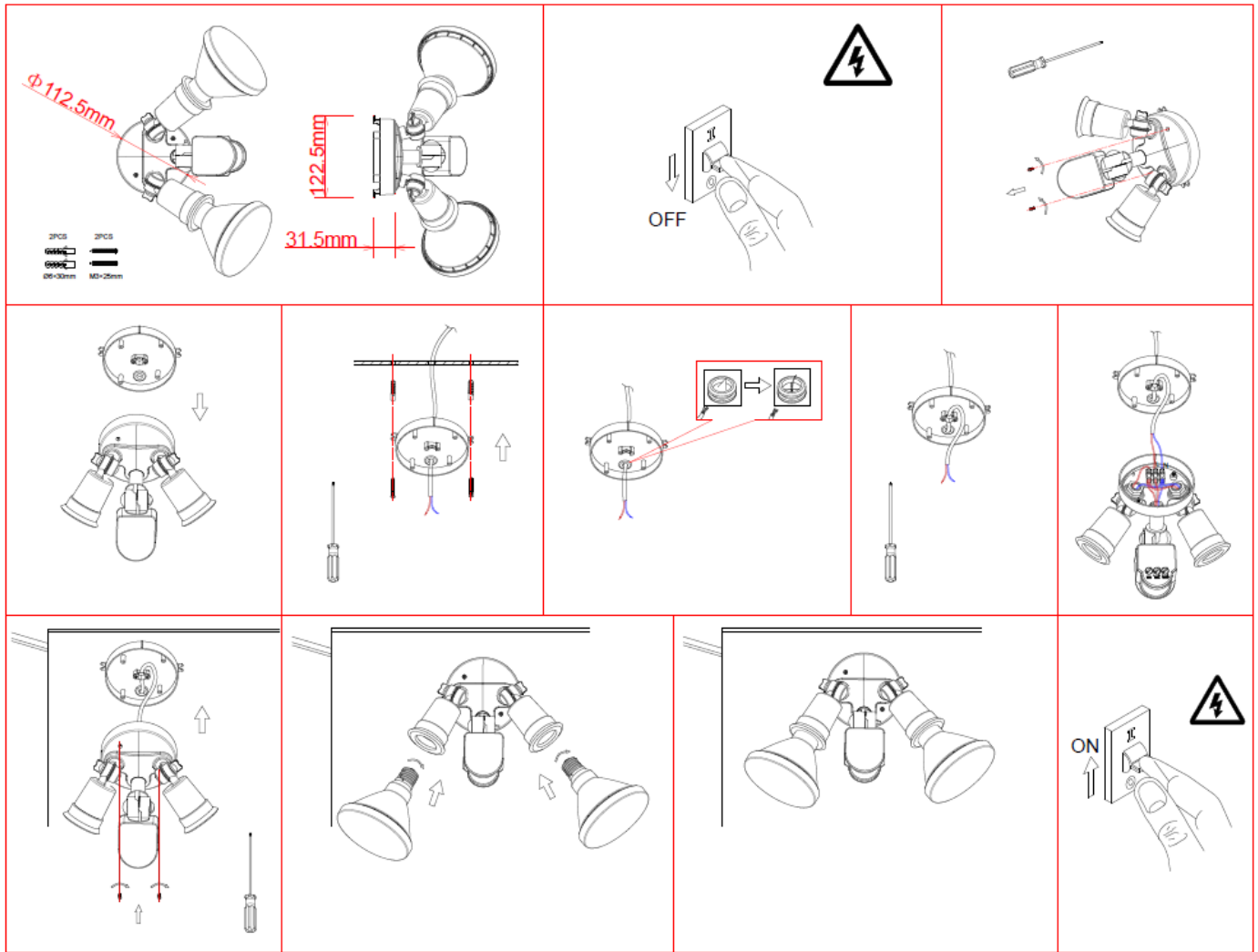
Live – Brown or Red

Fitting Wire

Blue

Brown

7. Install the mounting bracket onto the wall by using appropriately sized mounting screws, plastic washers and anchors.
8. Ensure the screws, plastic washers and anchors used are suitable for the mounting surface.
9. Place the mains supply wire in the cord anchorage system and secure by tightening the screws again.
10. Install the fitting back onto the mounting bracket.
11. Tighten the two nuts.
12. Install globes.
13. Adjust the LED heads and PIR sensor to the desired position.
14. Switch the power to circuit back ON only after all electrical work has been fully completed and the fitting is fully assembled and is ready to use for the first time.



SENSOR SETTINGS:

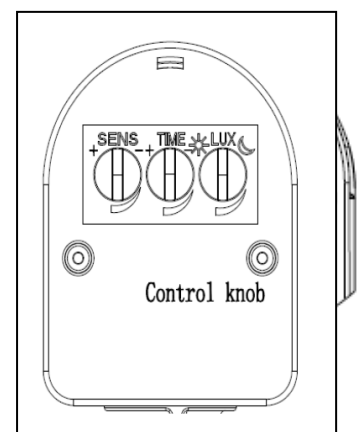
DURATION TIME: The length of time the light will remain switched on after activation can be adjusted from 10secs ± 5 to 7mins ± 2 . Rotating the time from (+) to (-) will reduce the duration time.

NOTE: Once the light has been triggered by the PIR sensor, any subsequent detection will start the timed period again from the beginning, the light will remain on until there is no movement detected.

ADJUSTING THE SENSITIVITY: The sensitivity means the maximum distance which PIR Sensor can be triggered by movement body. Turning the SENS knob + to - will decrease the sensitivity.

LUX LEVEL: The lux control module has a built-in sensing device (photocell) that detects daylight and darkness. The (*) position means that the fitting will work at both day and night. The (D) position will only work at night.

NOTE: If you want to test the detection area of the PIR sensor, please wait for the ambient light level is below 20 lux.



SENSOR TESTING:

1. Put the LUX control knob to the light (*) position and the TIME control knob to minimum (-). Turn the wall switch on and the light will turn on and remain on for about 50 seconds for the “warm-up” mode. After this initial “warm up” mode the light will turn off and the fitting will be in AUTO MODE.
2. Direct the sensor toward the desired area to be scanned by twisting the sensor left and right.
3. Have someone walk across the centre of the area to be scanned and slowly adjust the angle of the sensor until the fitting can sense the moving person and causes the light to switch on.
4. Adjust the TIME control knob to the desired length of time for the fitting to remain on.
5. Adjust the LUX control knob to achieve the ideal ambient light for the fitting to switch “on”.
For the fitting to switch ‘on’ when the ambient light is darker, switch the LUX control knob from (*) to (D).
For the fitting to switch ‘on’ when the ambient light is brighter, switch the LUX control knob from (D) to (*).
You may need to make further adjustments to achieve your ideal light level setting.

MANUAL MODE: (Sensor Override Function)

Manual mode is used when you want the LED lights to be constantly on. The PIR sensor will be disabled and not affected by the duration time and lux level settings. The maximum duration for manual mode is 8 hours.

1. During normal use the wall switch is in the ON position and the fitting is in AUTO MODE with the PIR sensor detecting any movement and the LED lights will switch on and off accordingly.
2. To switch into MANUAL MODE, and the light will turn on and remain on for about 50 seconds for the “warm-up” mode. After this initial “warm up” turn the wall switch off and on twice within three seconds.
Wall switch action: OFF → ON → OFF → ON.
Wait for 3 seconds and the LED lights will flicked two times and the fitting will be in MANUAL MODE.
3. To change back to AUTO MODE, turn the wall switch off and remain off for 50 seconds.
Switch action: OFF (50 seconds) → ON.

NOTE: During MANUAL MODE or AUTO MODE, by switching off the wall switch for about 50 seconds this will reset the sensor mode.

Turn the wall switch on again and the PIR sensor will enter into the “warm-up” mode and the LED lights will remain on for about for 50 seconds. After this the LED lights will turn off and the fitting will be in AUTO MODE.

Safety tips

- Always ensure the power is OFF and the fitting has cooled down before performing any maintenance, cleaning or making any adjustment to the fitting.
- To avoid injury or damage to the fitting, ensure that power leads and screws are secure before connecting the power.
- Select a suitable location away from liquids and hazards.
- Ensure that the fitting does not come in contact with corrosive chemicals, etc.
- To clean, wipe with a damp clean cloth. Never soak the fitting with water.

Specifications

SKU #	#19606
Colour	Black
Rated Voltage	220-240V~ 50Hz
Rated Wattage	20W
LED	3000K, 1600lm
Dimensions	E:250mm W:440mm H:310mm
IP Rating	IP44