

Simx Lighting LHT0244 LED EcoSpot PIR Sensor Light



Simx Lighting LHT0244 LED EcoSpot PIR Sensor Light Installation Guide

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Simx Lighting LHT0244 LED EcoSpot PIR Sensor Light



Technical Specifications

- Power Supply: 230V AC
- Max Rated Load: Refer to product specifications
- Standby Power: Refer to product specifications
- PIR Switching Capacity: Refer to product specifications
- PIR Aiming Adjustment: Yes
- Detection Range: Refer to product specifications
- Lumens: Refer to product specifications
- Time On Setting: Adjustable
- Dusk Control: Yes
- IP Rating: Weatherproof

Product Usage Instructions

Installation:

1. Ensure power supply is 220-240V AC, 50/60Hz.
2. Installation should be done by a registered electrician.
3. Switch off power before installation.
4. Follow the installation diagram provided in the manual (refer to Fig. 1-3).

Settings:

- Adjust the sensitivity using the SENS knob.
- Set the lux control module using the LUX knob for daylight/darkness detection.
- Direct the sensor towards the desired area by adjusting the elbow and swivel joints.

FAQ

- **Q: Can this product be used indoors?**
 - A: This product is suitable for sheltered exterior locations only.
- **Q: What should I do if the light is not turning on?**
 - A: Check the power supply, ensure correct installation by an electrician, and adjust settings as per the manual.
- **Q: How do I clean or maintain the light fitting?**
 - A: Ensure the power is switched off, follow the disassembly instructions in the manual, and clean gently with a soft cloth.

Models

LED ECOSPOT PIR
2 x 8W LED SENSOR LIGHT
LHT0244 BLACK



LED ECOSPOT PIR
2 x 8W LED SENSOR LIGHT
LHT0250 WHITE



The Simx Lighting LED EcoSpot PIR sensor light is suitable for sheltered exterior locations. It requires a 230V AC power supply to operate and should be installed by a registered electrician. Please read this manual before installation and retain for future reference

TECHNICAL SPECIFICATIONS

- Power Supply 220-240V AC
- Max Rated Load 16W LED
- Standby Power 1W (sensor head only)
- PIR Switching Capacity 300W
- PIR Aiming Adjustment Pan/tilt
- Detection Range Max. 12m Ø at 180°
- Lumens 1440 (total)
- Time On Setting
- Min (10±5) sec
- Max (4±1) min
- Dusk Control Day to night (adjustable)
- IP Rating IP44

Specifications are subject to change without notice

IMPORTANT

This product is suitable for use only with a supply voltage of 220-240V AC, 50/60Hz. All electrical work must be carried out in accordance with local and national electrical codes as applicable. We strongly recommend that this light fitting is installed by a registered electrician. Always switch the power off prior to installation. A means of mains power isolation must be installed in the circuit for the purpose of safe access for any internal cleaning, recalibration, or maintenance. This light fitting is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Young children should be supervised to ensure that they do not play with the appliance. Any changes or modifications made or attempted to this product, without the prior written approval of the manufacturer, will void any and all stated warranties.

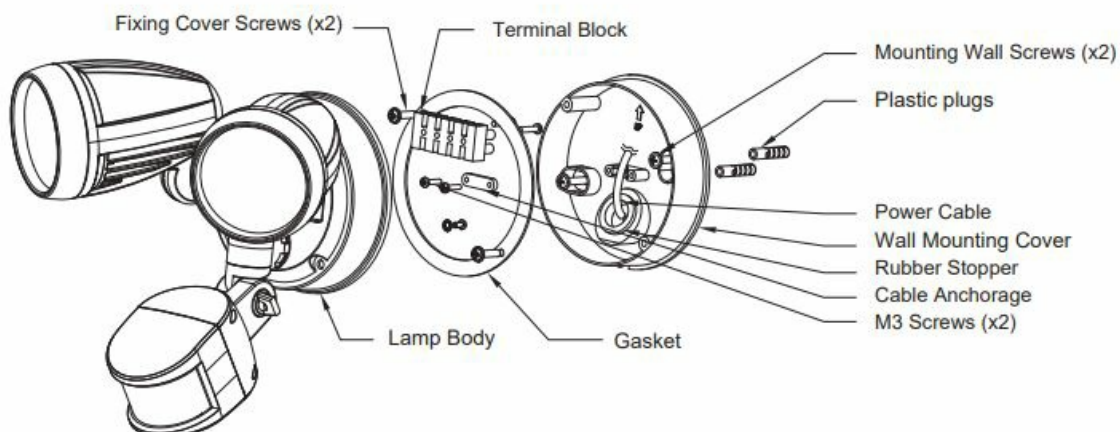
BEFORE YOU START

Please read all the instructions prior to installation. The Simx LED EcoSpot should be wired to its own light switch. Do not interconnect with other lights on the same switch. An earth connection must be used for electrical safety. To achieve best results, please consider the following points: Simx LED EcoSpot should be mounted 1.8 to 2.5 metres above the ground. Do not aim towards reflective surfaces such as smooth white walls, swimming pools, etc. The Simx LED EcoSpot scanning specifications will vary depending on the mounting height and location. The detection range of the unit may also alter with temperature change. Before selecting a place to install your Simx LED EcoSpot, note that movement across the scan area is more effective than movement directly toward or away from the sensor. The drain hole on the sensor must be pointed to the downward position during installation in order to meet the IP44 rating

INSTALLATION

We strongly recommend this light fitting is installed by a registered electrician. Switch off the power supply before commencing any electrical work. Unscrew the fixing cover screws and remove the cover. Remove the cable anchorage and terminal block. Use the back of the plastic housing to mark the position of screw holes onto mounting surface. Drill the wall to depth of about 4 cm and fit the wall plugs (supplied). Care should be taken to avoid drilling or screwing into concealed electrical wiring/plumbing. Push the cable through the cable gland. Affix the back of the housing to the mounting surface with mounting wall screws. Connect the power cables to the terminal block securely (refer to Fig. 1). Re-fit the terminal block and cable anchorage. Reattach and screw securely the cover to the base. Ensure cables are not pinched in closing the unit. Test circuit and setup PIR settings (see below).

Fig. 1



SETTINGS

The length of time the Simx LED EcoSpot remains switched on after activation can be adjusted from (10±5) seconds to (4±1) minutes. Rotating the TIME knob to (+) or (-) will adjust the duration time accordingly. Note: Once the light has been triggered by the PIR sensor any subsequent detection will restart the timed period. The sensitivity means the maximum distance at which PIR Sensor can be triggered by motion. Adjusting the SENS knob from (+) to (-) will adjust the sensitivity. The lux control module has a built-in sensing device (photocell) that

detects daylight and darkness. The () position indicates it will work at day and night, and in the () position – only at night. Set dial to operate at the desired level by adjusting the LUX knob.

Setting up the sensor (refer to Fig. 2)

Fig. 2

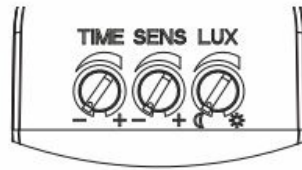
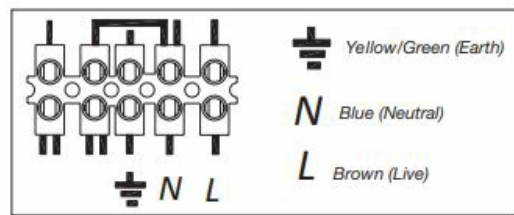


Fig. 3



Turn the lux control knob to the light () position, turn the wall switch on and wait 30 seconds for the control circuit to stabilize. Ensure that the TIME control is set at a minimum. Direct the sensor toward the desired area to be scanned by adjusting the elbow joint and swivel joint on the sensor arm. Have someone move across the centre of the area to be scanned and slowly adjust the angle of the sensor arm until the unit senses the movement and triggers as desired. Adjust the SENS dial to alter distance. Adjust the Time control to the required setting. If the lights are required to operate from dusk, wait for the desired light level, then slowly turn the LUX control knob towards daylight while someone walks across the centre of the detection area. When the lights switch on, release the LUX control knob. Set LUX control to suit your application.

Note: All PIR sensors are more sensitive in cold and dry weather than in warmer weather. You may need to make further adjustments to achieve your ideal light-level setting. To avoid dust build-up and ensure the proper functioning of the Simx LED EcoSpot wipe the sensor lens lightly with a damp cloth every 3 months. Before making any aiming adjustments, switch Simx LED EcoSpot off and allow the hot lamp housings to cool. When adjusting lamp housings, ensure they are not touching or in close proximity (not less than 40mm) to the sensor head, as heat from the lamp housing may impact the operation of the PIR Sensor.

MANUAL CONTROL (Override Function)

When power is first switched on, the PIR detector enters into the “WARM-UP” period for about 1 minute, then automatically switches into AUTO MODE. Turning the wall switch off and on twice, within 3 seconds, will change from Auto Mode to Manual Mode. In MANUAL MODE, the Lamp(s) will remain ON, not affected by duration time and lux control settings, after 8 hours, the lamp will change to AUTO MODE again. To change it back to AUTO MODE, prior to this, turn the wall switch off and on twice in about 3 seconds (the same override used to go from AUTO to MANUAL mode.). During MANUAL MODE or AUTO MODE, by switching off the ON/OFF main switch over 10 seconds and then on again, the PIR detector will reset to WARM-UP periods

PRODUCT COMPLIANCES


The product complies with: This product conforms to relevant AZ/NZS standards

MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd and Ventair Pty Ltd for 36 MONTHS from the date of purchase against faulty materials or workmanship which affects its designed ability to detect or switch. During this period if the product has a defect of this nature it will be repaired or replaced free of charge by SIMX with the same item, or a similar one of higher specification. ON CONDITION THAT: The buyer returns it to the seller from whom it was bought, freight paid. The product has been bought by the user (ie: a receipt/sales invoice is produced as proof of purchase). The product has not been misused or handled carelessly, installed in anyway contrary to the installation instructions, or installed in any unusually exposed or harsh environmental conditions. This guarantee excludes liability for discolouration of paint or plastic, or any user-replaceable parts. It does not confer any rights other than those expressly set out above and does not cover any claims for consequential loss or damage. Our Goods come with guarantees that cannot be excluded under the Australian and New Zealand Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably

foreseeable loss or damage. You are also entitled to have the Goods repaired or replaced if the Goods fail to be of acceptable quality and the failure does not amount to a major failure.

Documents / Resources

	Simx Lighting LHT0244 LED EcoSpot PIR Sensor Light [pdf] Installation Guide LHT0244, LHT0250, LHT0244 LED EcoSpot PIR Sensor Light, LED EcoSpot PIR Sensor Light, EcoSpot PIR Sensor Light, PIR Sensor Light, Sensor Light, Light
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References

- [Simx - Home Ventilation, Lighting, Commercial Ventilation Distributors | Simx New Zealand](#)
- [Ventair Australia - Heating & Ventilation Solutions for Sale](#)
- [User Manual](#)

Manuals+, Privacy Policy

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