Manual Override Mode

The light can be switched on for longer time periods by use of the Manual Override Mode. To activate Manual Override for continuous light at night, toggle the internal wall switch twice (OFF/ON//OFF/ON) within 1 -2 seconds.
The unit will now illuminate continuously until dawn or until it is switched back into Automatic Mode.
The permanent illumination of the red LED at the top of the sensor head indicates that Manual Mode is activated.

To cancel Manual Override Mode and switch the unit back into Automatic Mode, toggle the internal wall switch once (OFF/ON) within 1 second. The unit will return to normal motion sensor operation. The light will flash on once to confirm activation and cancellation of this mode. The red LED's will scroll left and right indicating the unit is in Automatic Mode.

PRODUCT COMPLIANCE

Product complies with:

EN55015:2006/A1:2007   EN61000-3-2:2006   EN61003-3:2008 EN 61547:1995/A1:2000
IEC 61000-4-2:2008   IEC 61000-4-3:2006/A1:2007   IEC 61000-4-4:2004   IEC 61000-4-5:2005
IEC 61000-4-6:2008   IEC 61000-4-8:1993/A1:2000   IEC 61000-4-11:2004   EN 60598-1:2008
EN60598-2-5:1989   EN61347-2-13:2006   AS/NZ 60598-2-1   EN62493:2010   EN62031
IEC/EN 62471   IEC/TR62471-2 and relevant amendments.

MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by Simx Ltd for 36 MONTHS from the date of purchase against faulty materials or workmanship which affects its designed ability to operate. 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 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 i.e. 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.

Simx

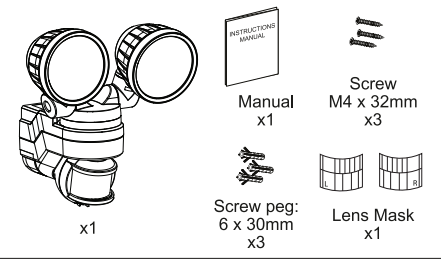## INSTALLATION INSTRUCTIONS

Simx

MODEL: LHT0331 and LHT0332

Thank you for purchasing this 12W x2 LED Twinspot Floodlight
This light is suitable for sheltered outdoor use and requires a 230-240V AC power supply.
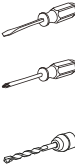Please read this manual throughly before installation and retain for future reference.

Contents:

Manual x1

Screw M4 x 32mm x3

Screw peg: 6 x 30mm x3

Lens Mask x1

Tools required:
Tools / Equipment need for installation.

* This light is designed for wall mount installation only.

Ensure adequate ventilation space is allowed between the unit and any object above, in front or to either side of the unit.

TECHNICAL SPECIFICATIONS

PIR Operation:	Auto / Manual / Time Control	**Supply Voltage:**	230V AC 50Hz
PIR Detection Range:	Up to 12 metres	**Power Factor:**	>0.92
PIR Detection Angle:	120º at 3m; 80º at 12 metres	**Stand By Load:**	0.5W max
PIR Auto Time Off:	Min: 3 secs Max: 7 mins	**Light Beam Angle:**	105º-110º
PIR Time Control:	Approx. 1 - 8 hours (adjustable)	**Lamp Data:**	5500k, CRI >80
PIR Dusk Control:	Day to night (adjustable)	**Luminous Flux:**	Total: 1600lm
PIR Aiming Adjustment:	Pan left 20º and right 20º	**Working Temperature:**	-20°C to +40°C
	Tilt down 60º	**Ingress Protection:**	IP44
Construction:	Alloy UV Stabilised Polycarbonate,	**Protection Class:**	Class I
	Stainless Steel 304 Screws		

⚠ IMPORTANT

This product is suitable for use only with a supply voltage of 230V AC 50Hz.

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 power off prior to installation. A means of main power isolation must be installed on 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 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.
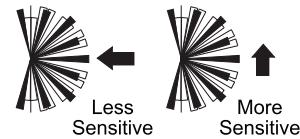
⚠ WARNING

This product will get warm when in normal use. It can be installed on surfaces of normal flammability e.g. wood, plasterboard, brickwork and other masonry.

Do not install on flammable surfaces such as plastics.

ASSEMBLY INSTALLATION INSTRUCTIONS

This light fitting is rated to IP44. This means that it is suitable for use in sheltered exterior locations. Please ensure the desired location does not exceed this rating.

When deciding on location of your light fitting, be aware that PIR sensors are more sensitive to movement across the detection zone, and less sensitive to movement towards the sensor.

Less Sensitive   More Sensitive

*** IMPORTANT ***

This light fitting should be installed by a registered electrician

Installation Procedure:

1. Switch off the power.

230V

OFF

2. Unfasten the screw from the wall bracket. Push and remove it.

3. Remove the terminal block from the wall bracket.

4. Remove the device from the junction box.

5. Mark position of the fixing holes.

6. Drill the holes. Insert the wall plugs into the holes.

φ 6mm

7. Feed the power cable through the rubber gasket of the wall bracket. Pierce the gasket, do not cut or slice it. Then attach the wall bracket to the wall and tighten screws firmly.

8. Place the round end of the tether into the keyhole shape location hole on the wall bracket. Ensure the tether is securely fixed into the slot before releasing the weight of the unit.

9. Connect the individual wires to the appropriate terminal, then tighten the screws.
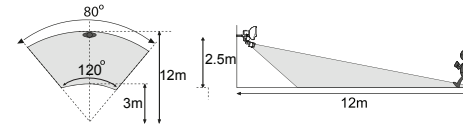
Isolation Switch   External Wiring

L
E
N

Mains Supply

L	LIVE	BROWN
N	NEUTRAL	BLUE
⏚	EARTH	GREEN / YELLOW

10. Place terminal block onto its securing pillar on the wall bracket.

11. Fit floodlight to wall bracket and secure by fixing screw.

12. Connect device to the mains. Unit goes into warm-up period for 60-80 secs.

ON

Detection Range:

Recommended installation height is 2.5m above ground, the maximum detection range about 12m and at angle of about 80 degrees.
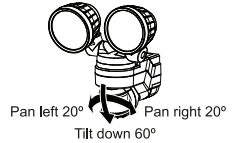
80°
120°
12m
3m
2.5m
12m

Motion Detector Head Adjustment

The detector head can be 20º turned left or right by hand, it can be tilted 60º downward.

Do not use the adjuster knobs to turn the detector head.

Note:
Make sure sensor head is positioned with control knobs facing towards the ground to maintain IP rating.

Pan left 20º   Pan right 20º
Tilt down 60º

WALK TEST PROCEDURE

Adjust the sensor to point in the required direction. Adjust time knob to lowest setting. Turn the power to the unit on. The lamp will illuminate for approximately 60-80 seconds. The unit is now in Test Mode. Walk across the detection area to determine the trigger zone and adjust aiming of sensor to suit. Left unactivated for 60 seconds, the light will switch to AUTO Mode, confirmed by red LED scrolling left and right.

MASKING THE SENSOR LENS

To restrict the sensor coverage, preventing detection in unwanted areas, mask the sensor lens using the masks provided in the accessory pack.

For your information, the top section of the lens covers long range detection, the bottom covers short range. Similarly the left and right lens sections cover the left and right detection areas respectively.

Lens Mask

Restrict long Detection   Restrict short Detection   Restrict RHS Detection   Restrict LHS Detection

KNOB SETTINGS

LUX Knob Setting

• When setting the Lux knob at "MOON", PIR activation will only operate in the dark.
• When setting the Lux knob at "SUN", PIR activation will operate at any light level.

TIME Knob Setting

• You can set the time knob from 3 sec to about 7 min, LED floodlight will turn ON the lamp, for the time duration set after each detection movement.

Adjustments

Dusk/Dawn LUX   Time

Auto Mode

Environment lux level to turn On   Turn On time adjustment

Lamp turns ON at night only.   Lamp turns ON at day & night.   3sec   7min

TIME CONTROL MODE

Toggle the internal wall switch 3 times (off/on off/on off/on) within 3 seconds.
A single flashing red LED at the top of the sensor head indicates Time Control Mode. The unit will now illuminate for a user defined time between 1 and 8 hours. The time can be set by rotating the centre adjustment knob as required. (The adjustment knob is identified by the letter **T** inside a circle.)

DUSK TIMER

Do not adjust this setting if you do not wish to use the Time Control Mode facility.
This time adjustment is preset to 1 hour. Please note: Fully clockwise is 8 hours, fully anticlockwise is 1 hour.

After the defined period has elapsed, the unit will return to Sensor Control Mode and operate as previously set up and the three scrolling LED's will illuminate from left to right.

Time Control Mode is different to Manual Control Mode in that it will NOT reset to Sensor Control Mode at dawn, it will repeat each night until reset by the user. To cancel Time Control Mode, toggle the internal wall switch once (Off/On) within one second. The unit will turn to Sensor Control Mode indicated by the scrolling LEDs.