

## 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 switch the internal wall switch/circuit breaker (OFF/ON) within 2 seconds. The unit will now illuminate continuously until dawn or until it is switched back into Automatic Mode.

To cancel Manual Override Mode and switch the unit back into Automatic Mode, flick the internal wall switch/circuit breaker (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.



### 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.

## 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.

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Simx reserves the right to alter technical specifications with prior warning

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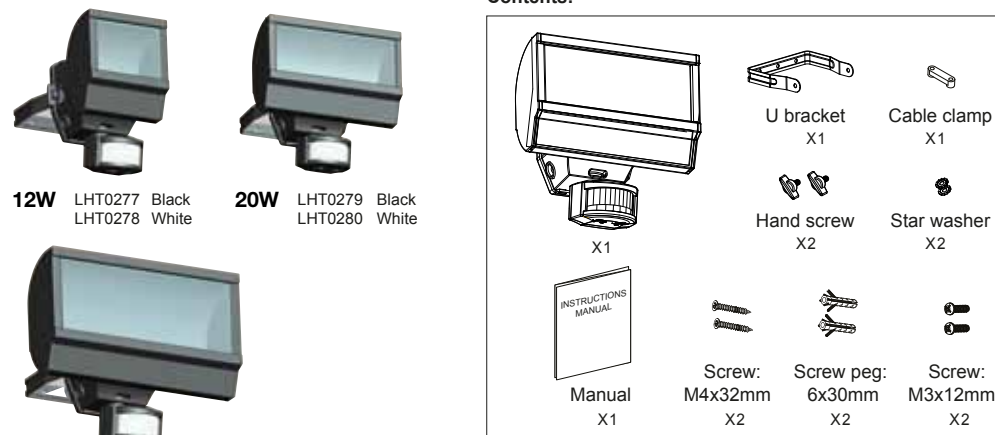
## INSTALLATION INSTRUCTIONS



MODEL: LHT0277, LHT0278, LHT0279, LHT0280, LHT0281 and LHT0282

Thank you for purchasing this SIMX Reflect LED PIR Floodlight. This light is suitable for outdoor use and requires a 220 - 240 V AC power supply. Please read this manual thoroughly before installation and retain for future reference.

### Contents:



**12W** LHT0277 Black  
LHT0278 White



**20W** LHT0279 Black  
LHT0280 White



**26W** LHT0281 Black  
LHT0282 White

**Tools required:** Tools / Equipment need for installation.



## TECHNICAL SPECIFICATIONS

|                               |  |                             |  |
|-------------------------------|--|-----------------------------|--|
| <b>PIR Operation:</b>         | Auto / Manual / D-MODE   | <b>Supply Voltage:</b>      | 220 - 240V AC 50Hz                                   |
| <b>PIR Detection Range:</b>   | up to 10 metres  | <b>Power Factor:</b>        | >0.92  |
| <b>PIR Detection Angle:</b>   | 120° at 3m; 80° at 10 metres   | <b>Stand By Load:</b>       | 0.5W max   |
| <b>PIR Time Setting:</b>      | min 3 - 10 secs<br>max 9 - 11 mins   | <b>Working Temperature:</b> | -20°C to +40°C                                       |
| <b>PIR Dusk Control:</b>      | Day to night (adjustable)  | <b>Ingress Protection:</b>  | IP55   |
| <b>PIR Aiming Adjustment:</b> | Pan left 90° and right 90°<br>Tilt down 50°  | <b>Protection Class:</b>    | Class II   |
| <b>Construction:</b>          | Alloy Housing,<br>Stainless Steel 304 Bracket + Screws,<br>UV Stabilised Polycarbonate | <b>Light Beam Angle:</b>    | 110°   |
|                               |  | <b>Lamp Data:</b>           | 5700k, CRI >80                                       |
|                               |  | <b>Luminous Flux:</b>       | <b>12W</b> 500lm <b>20W</b> 1000lm <b>26W</b> 1500lm |



### IMPORTANT

This product is suitable for use only with a supply voltage of 220-240V 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 mains 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.

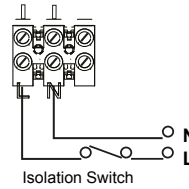
## ASSEMBLY AND INSTALLATION INSTRUCTIONS

This light fitting is rated to IP55. This means that it is suitable for use in exterior locations. Please ensure the desired location does not exceed this rating.

### Connection

Connect the cable to the terminal block as follows (see connection diagram). Ensure the connections are secure.

|   |         |       |
|---|---------|-------|
| L | LIVE    | BROWN |
| N | NEUTRAL | BLUE  |



### \*\*\* IMPORTANT \*\*\*

Isolate electrical supply before proceeding with the installation.  
This light fitting should be installed by a registered electrician.

### Installation Procedure:

**1. Switch off the power.**

**2. Marking the relief hole.**

**3. Drill and push the screw peg into the hole.**

φ 6mm

**4. Fix the U bracket to the wall.**

Mounting Screws: (M4 x 32mm) x 2

**5. Feed the power cable through the rubber gasket of the junction box. Pierce the gasket, do not cut or slice it.**

**6. Attach the strain relief to the device and tighten screws firmly.**

Mounting Screws: (M3 x 12mm) x 2

**7. Connect the individual wires to the appropriate terminal then tighten the screw.**

|   |         |       |
|---|---------|-------|
| L | LIVE    | BROWN |
| N | NEUTRAL | BLUE  |

**8. Attach the rear cover to the device. Ensuring it clicks firmly into place.**

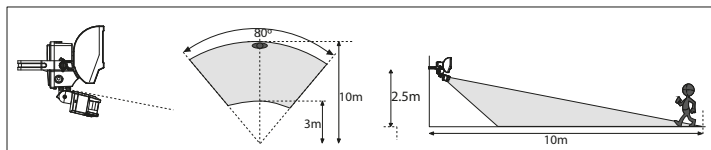
"Click" Push

**9. Attach the device to the U bracket with star washers, aim then tighten the screws on both sides.**

**10. Connect device to the mains. Unit goes into warm-up period for 35-45secs.**

### Detection Range:

Recommended installation height is 2.5 meter above ground, the maximum detection range about 10 metre and at the angle of about 80 degrees.



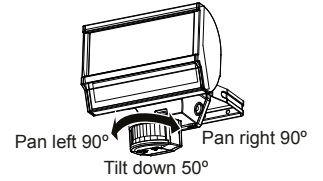
### Walk Test and Adjustment

- Adjust the Time knob to lowest setting, (Lux knob can be "Sun" or "Moon").
- Switch power on.
- Walk across the detection area, once the detector is triggered the lamp will turn ON for 2 seconds.
- Aim sensor to adjust detection coverage.

### Motion Detector Head Aiming

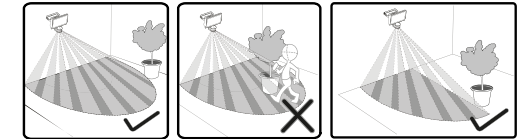
The detector head can be 90° turned left or right by hand, it can be tilted 50° downward. Do not use the adjuster knobs to turn the detector head.

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



### PIR Lens Masking

The purpose of the lens mask is to block out areas not desired for detection. Apply to PIR lens as required for your location.



### Knob Settings

LED floodlight has two adjustment knobs: Lux and Time at the bottom of the detector head.  
• Adjust knobs carefully with flat blade screwdriver.

### 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 in any light level.

### TIME knob setting

- You can set the time knob from 10 sec to about 10 min, LED flood light will turn ON the lamp, for the time duration set after each detection movement.
- Setting time knob to D will activate D-MODE.

### D-MODE Dusk to Dawn

- When setting the TIME knob to fully clockwise 'D' setting, the motion detector of the LED floodlight will not function. The lamp will then operate depending on the "LUX" level.
- Set to "Moon", lamp will illuminate from Dusk to Dawn.
- Set to "Sun", lamp will illuminate all day and all night. The light will flash 3 times to confirm D-MODE activation and deactivation.

### Adjustments

Lux ← Auto Mode → Time

**Environment lux level to turn On**

Lamp turns ON at night.

**Turn On time adjustment**

10sec

sec

10min

Min

Lamp turns ON at day & night.

