

## PRODUCT COMPLIANCES

### Product complies with:

AS/NZS60598.1:2003 AS/NZS60598.2.5 AS/NZS61347.2.11 AS/NZS61347.1  
EN55015:2007 EN 60529 EN61000.3.2:2006 EN61000.3.3:2005 EN61547:2000  
and relevant amendments.

## MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd for 12 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 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.



Distributed by: Simx Limited

Ph: +64 9 259 1660 | Technical Support Ph: +64 9 259 1662

Email: sales@simx.co.nz | www.simx.co.nz | www.simx.com.au

Simx reserves the right to alter technical specifications without prior warning.

## INSTALLATION INSTRUCTIONS



## Model: Eco-Flood

### LHT0190 - 120W Halogen Sensorlight

Thank you for purchasing this SIMX sensorlight. This light is suitable for sheltered outdoor permanent use and requires a 220/240VAC power supply. Please read this manual thoroughly before installation and retain for future reference.

## TECHNICAL SPECIFICATIONS

<b>Power Source</b>	220-240 VAC
<b>Power Frequency</b>	50Hz
<b>Detection Range</b>	12 metres max at 180°
<b>Time Setting</b>	Min: 10sec ± 5sec Max: 4min ± 1min
<b>Dusk Control</b>	Day to Night (adjustable)
<b>PIR Aiming adjustment</b>	Pan/Tilt
<b>Sensitivity Control</b>	Yes
<b>Standby Power</b>	4.0w (sensor head only)
<b>Rated Load</b>	150watt max
<b>Lamp Type</b>	R7s Linear Halogen 78mm
<b>Ingress Protection</b>	IP44



### ! 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.

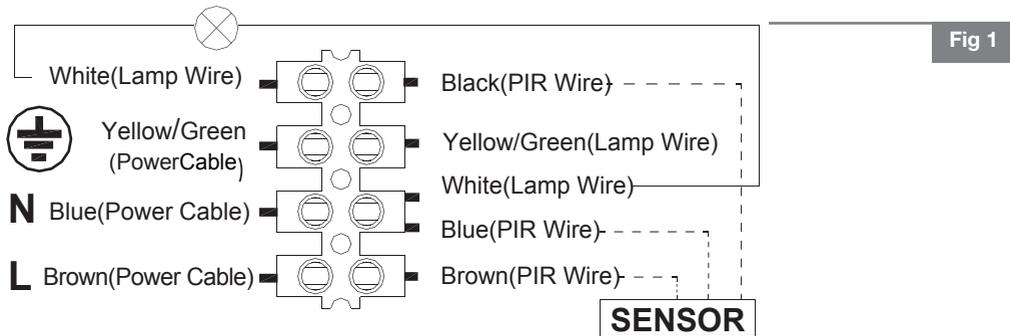
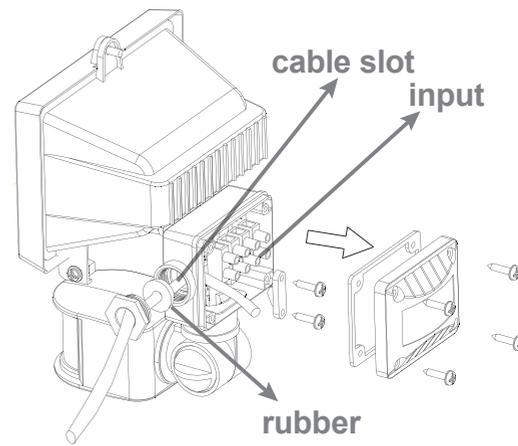
Always switch power off prior to installation. A means of mains power isolation must be installed on the circuit for the purpose of safe access for any internal cleaning, recalibration, or maintenance.

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.

## INSTALLATION METHOD

This sensorlight should be installed by a registered electrical contractor. This light fitting is rated to IP44. This means that it is suitable in areas which may receive light rainfall. Please ensure the desired location does not exceed this rating. Floodlight is designed to operate correctly with horizontal lamp orientation only.



### Switch off and isolate the power supply before commencing electrical work

Select a suitable location for your sensorlight. It should not be mounted to any surface that is prone to vibration. Firmly secure the bracket to the wall using the mounting screws provided, and loosely secure the floodlight housing to the bracket.

**WARNING:** This floodlight must not be mounted in exposed areas where wind gusts are expected beyond 130km/h.

Remove the rear cover of the terminal block enclosure. Carefully draw a round core mains power cable through the power entry gland.

Wire the cable to the terminal block, (refer Fig 1), ensuring accurate polarity. This floodlight must have an Earth connection for safety. Secure cable with clamp.

Resecure the rear cover, ensuring that the rubber gland is in place. Tighten power entry gland. Ensure both the cover and gland is firmly in place to maintain waterproof rating.

Unscrew the front lamp cover, and insert the lamp supplied. Refit the front lamp cover. Only touch the lamp with a soft clean cloth when fitting or replacing the lamp. Be aware that the housing will be HOT to the touch during operation. Allow sufficient time for the unit to cool before making any adjustments or replacing the lamp.

Aim the floodlight and tension the bracket pivots to 5n.

Reconnect power supply. The PIR sensor has a 180° detection zone. Loosen the pivot points to aim, and then retighten once desired aiming is achieved.

## CALIBRATION

This light fitting only operates when the PIR sensor is activated by heat movement within its detection zone. Once power is connected, the unit requires approx. 60 seconds to warm-up. Do not commence any walk tests until this has occurred.

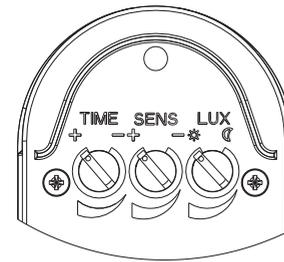


Fig 2

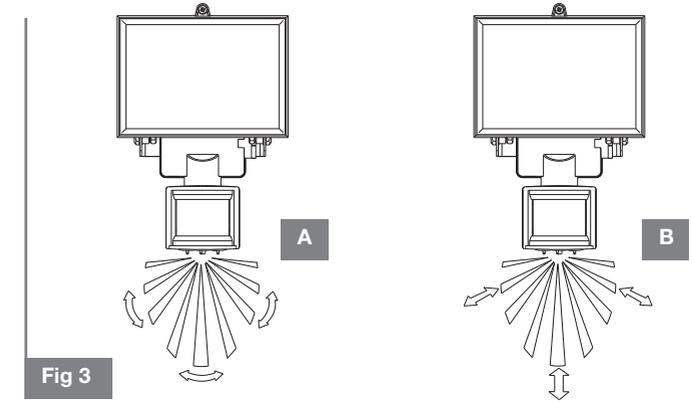


Fig 3

**ADJUSTING THE TIME DURATION:** (Fig 2) The TIME adjustment has a minimum of approx. 10 seconds when turned counter clockwise to the end. Use this setting for walk testing the unit. After walk test is complete, adjust this setting clockwise to the preferred duration the light is activated for when it detects movement. The maximum clockwise setting will be approx. 4 minutes.

**Note:** Once the light has been triggered by the PIR sensor any subsequent detection will start the timed period again from the beginning.

**ADJUSTING THE LUX CONTROL LEVEL:** This sets the acceptable amount of daylight present before the unit will start detecting. Rotating the dial clockwise to the (\*) position will set it to operate both day and night. Use this setting for walk testing the unit. Fully rotating counter clockwise to the (C) position will set the unit to only activate at night.

If the light is desired to switch on earlier e.g. Dusk, to adjust, wait for the desired light level, and then slowly turn the LUX control knob towards daylight (\*) position, while someone walks across the centre of the area to be detected. When the light switches on, release the LUX control knob. You may need to make further adjustments to achieve your ideal light level setting.

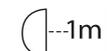
**ADJUSTING THE SENSITIVITY LEVEL:** The sensitivity means the distance which the PIR Sensor can be triggered by movement. Turning the SENS knob counter clockwise from (+) to (-) will decrease the sensitivity. Adjust to suit the location. Note that movement across the scan area of a PIR sensor (Fig 3A) is detected more reliably than movement directly toward or away from the sensor. (Fig 3B).

Care and consideration should be taken when the unit is located close to property boundaries, to avoid unnecessary spill light or glare to neighbours, and to avoid unwanted sensor activation by passing pedestrians or vehicles.

### ICON KEY



Replace any cracked glass immediately using only 5mm tempered glass.



A minimum distance of 1 metre from any object in front of the floodlight must be observed.