

INSTALLATION INSTRUCTIONS

ULTRABRIGHT LED SENSOR LIGHT LHT1181

Thank you for purchasing the Simx Lighting Ultrabright battery operated LED sensor light.

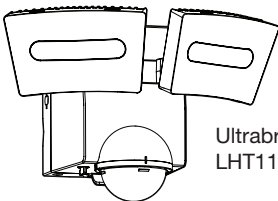
Please read this manual before installation and retain for future reference.



TECHNICAL SPECIFICATIONS

Detection Range	10 ± 2m
Detection Angle	180 degrees
PIR Aiming Adjustment	Pan only, left or right 90°
Time Setting	OFF, 15sec, XTEN, ECO (refer Operation section)
Light ON Setting	DUSK LEARN default 0-10 lux (refer Operation section)
Luminous Flux	Black 720lm +/-10%
CCT & CRI	3000K Warm White, CRI ≥80
Light Head Aiming	Tilt down 40°, Tilt up 65°, Pan out 90°, Pan in 20°
Power Input	4x Alkaline 'D' cell batteries 1.5V (not included)
Battery Life	@ 15s average use of 5 activations per day, up to 18 months
Working Temperature	-20°C to +40°C
Mounting	Ceiling or Wall mountable
Ingress Protection	IP44
Construction	UV-stabilised Polycarbonate

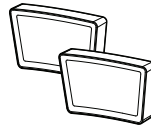
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Ultrabright LED Sensor Light
LHT1181



Stainless Steel Screw x 2 pcs
Wall Plug x 2 pcs



Diffuser Panel x 2 pcs

You will require:

Tools/Equipment needed for installation



Battery Caution & Disposal Information:

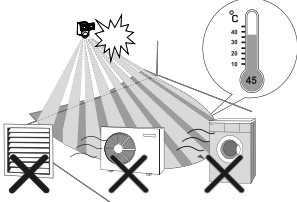
1. Do not mix old and new batteries.
2. Do not mix Alkaline, Standard (Carbon-Zinc) or Rechargeable (Ni-Cad, NiMH, or Lithium) batteries.
3. Do not dispose of batteries in fire.
4. Batteries should be recycled or disposed of as per local guidelines.

INSTALLATION

Installation Advice:

Since motion detectors react to variations in temperature; avoid the following situations:

- Do not aim motion detectors at objects with highly-reflective surfaces, like swimming pools, mirrors, etc.
- Do not install motion detectors near heat sources such as heating outlets, air conditioning systems, dryer vents, lighting fixtures, etc.
- Do not aim the motion detector at objects that move in the wind, such as tree limbs or bushes, large plants, etc.

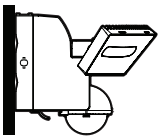


Mounting Location

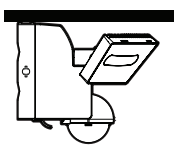
This light fitting is rated to IP44, this means that it is suitable in areas that may receive light rainfall. Please ensure the desired location does not exceed the rating.

Recommended installation height is 1.8 - 3.0m above ground.

Wall mount



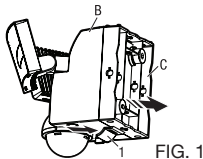
Eave mount



Special Note: 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 activation from passing pedestrians or vehicles.

Pre-install

1. Gently pull the bottom tab (1) of the wall mounting plate (C) away from the light body (B). FIG. 1



2. Install 4 x Alkaline "D" 1.5V batteries (not included) into the battery compartment.

Make sure the polarity (+ & -) of the batteries is correct as shown in the battery compartment. FIG. 2

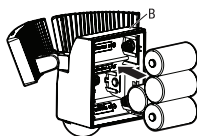


FIG. 2

OPTION 1 - WALL MOUNT

1. Remove the two rubber gaskets, and ensure the mounting plate is level & the UP arrow is correctly orientated, then mark hole locations.
2. If mounting to a wood surface, you can install the mounting screws through the mounting plate and into the wood. You can also drill 2 pilot holes into the wood with a 3mm drill bit and then install the screws. Reinstall the 2 rubber gaskets to keep the unit weatherproof. FIG. 3

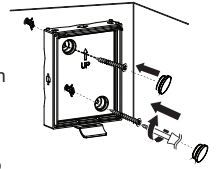


FIG. 3

If mounting to wall board or brick, drill 2 pilot holes with a 6mm drill bit. Insert the wall plugs into the holes and attach the mounting plate to the wall with the screws. Reinstall the 2 rubber gaskets to keep the unit weatherproof. FIG. 3

3. Attach the light fixture to the mounting plate. FIG. 4

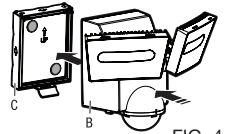


FIG. 4

4. Press the unit on the bottom to the mounting plate. You should hear a "Click" sound. This indicates that the device is securely attached to the mounting plate. FIG. 5

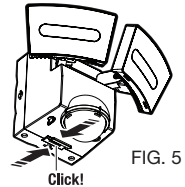


FIG. 5

OPTION 2 - EAVE MOUNT

1. Place the mounting plate against the ceiling. Mark the hole locations. Drill suitable holes and insert the wall plugs. Fix the mounting plate to the ceiling using the two mounting screws with a very long Phillips-head screwdriver. FIG. 3a

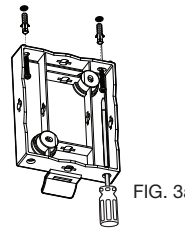


FIG. 3a

2. Attach the light fixture (B) to the mounting plate (C). Support the back-plate from behind with one hand and push the light onto the back-plate with the other hand. FIG. 4a

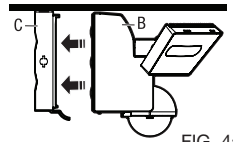


FIG. 4a

3. Press the unit on the bottom to the mounting plate. You should hear a "Click" sound. This indicates that the device is securely attached to the mounting plate. FIG. 5a

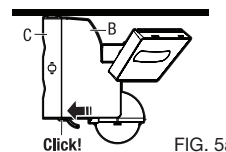
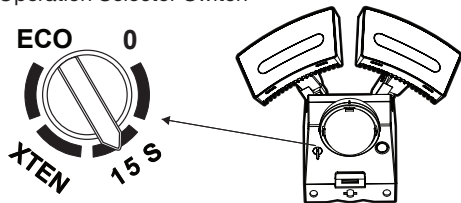


FIG. 5a

Control Settings

Operation Selector Switch



OFF

Select '0' to completely switch off the device.

15s

This is the normal AUTOMATIC motion sensing mode. The light(s) will stay as long as unit detects motion. After the unit no longer senses motion, it will turn off after 15 seconds. Any re-triggering will extend the time for another 15 seconds.

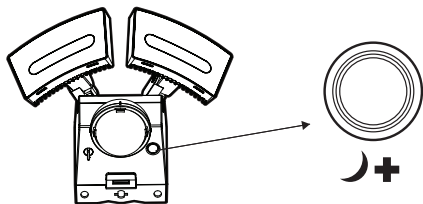
XTEN

The light(s) will stay on at 100% brightness for 12 seconds and then drop to 20% for a further 48 seconds if no further motion is detected. If motion is detected again, the lights will go back up to 100% for 12 seconds and then drop to 20% for a further 48 seconds. Any re-triggering will extend the on time for the same period.

ECO

This is energy saving mode and can extend battery life by up to 30%. The light(s) will come on at 70% brightness and stay on as long as motion is detected. After the unit no longer senses motion, it will turn off after 15 seconds. Any re-triggering will extend the time for another 15 seconds.

DUSK LEARN



Your motion sensor light is factory preset to only work after dusk. For most people, this will be the best setting and you will not need to make any adjustments.

However, if desired, you can set your own "dusk" level; this will determine how dark it needs to be before the motion sensor works.

If you would like your sensor lights to come on at a different level of darkness, for example when it is a little lighter outside, then simply push the Dusk Learn button and it will remember the current light level and become active at this light level from now on. When you push the button, the light(s) will blink once to confirm the dusk level has been set. Default factory setting is 0~10 lux.

To return the default factory setting, press the Dusk Learn button twice within 2 seconds; the light(s) will blink twice to indicate that you have returned to default factory setting.

Lamp Head Adjustment

Each lamp head (A) can be tilted down by 40° and upward by 65°. It can be panned out 90° and panned in 20°. FIG. 6

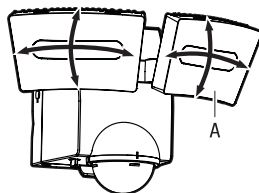


FIG. 6

OPERATION

Motion Detection Adjustment

The sensor detects 180°, providing wall to wall coverage. It can also be adjusted more to one side or the other if desired, by rotating the sensor (D). FIG. 7



FIG. 7

Detection Range

The maximum detection range is approximately 10m in a 180° detection area. FIG. 8

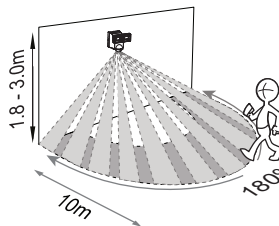
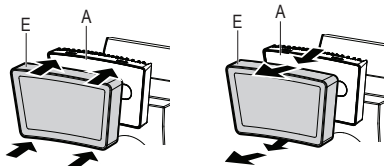


FIG. 8

Using The Diffuser Panel

If you want to reduce glare, attach a diffuser panel to each lamp head as shown below. To remove the diffuser panels (E), first hold the diffuser panel from the front. Next, gently lift the top of the diffuser panel from its back edge with your fingernail while gently pulling up and forward to remove the diffuser panel from the lamp head (A).



OPERATION

PIR LENS MASKING

The PIR lens mask supplied can be used when needed for restricting detection angles of the PIR (Fig 9). Removing the smallest centre segment provides a 20° detection area, while removing the largest centre segments provides maximum 140° angle. The mask clips into place. Remove one segment at a time, aim, and check in walk test mode. Continue removing segments until correct coverage is achieved. The purpose of the lens mask is to block out areas not desired for detection. Apply to PIR lens as required for your location.

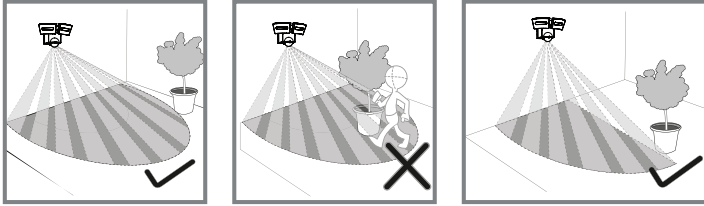


FIG. 9

MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd and Ventair Pty Ltd for 3 years 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 any way contrary to the installation instructions, or installed in any unusually exposed or harsh environmental conditions.

This guarantee excludes liability for discolouration and/or delamination of paint or plastic, or any user serviceable 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 either Australian, or 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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