

## LITHIUM-ION BATTERY WARNING

Lithium-ion cells and battery packs may get hot, explode or ignite and cause serious injury if exposed to extreme conditions. Be sure to follow the safety warnings listed below:

- Do not open the solar wall light or tamper with the circuitry and battery inside.
- Do not connect the positive terminal and the negative terminal of the battery pack to each other with any metal object (such as wire)
- Do not place the battery in direct sunlight or use and store the battery inside hot cars in hot weather. Doing this may cause the battery to heat, explode or ignite. Using the battery in this manner may also result in a loss of performance and a shortened life expectancy.
- Do not disassemble or modify the solar wall light or the battery. Both the solar wall light and the battery contain safety and protection devices, which, if damaged, may cause the battery to generate heat, explode or ignite. Immediately discontinue the use of the battery if, while using, charging or storing the battery, the battery emits an unusual smell, feels hot, changes colour or shape, or appears abnormal in any other way.
- Do not place the battery in a microwave oven, high pressure container or induction cooker.
- In the event that the battery leaks and the fluid gets into your eye, do not rub the eye. Rinse well with water and immediately seek medical care. If left untreated, the battery fluid could cause eye damage.
- If the unit or parts of this unit are being transported or freighted, seek advice on the correct protocol for handling and notification of the lithium-ion batteries from your shipping agent.

## MANUFACTURERS WARRANTY

This product is guaranteed by SIMX Ltd and Ventair Pty Ltd for 2 years from the date of purchase against faulty materials or workmanship which affects its designed ability to switch or 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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## INSTALLATION INSTRUCTIONS

### BEACON 2.2W SOLAR LED BOLLARD LHT1167

Thank you for purchasing the Simx Lighting Beacon Solar LED Bollard. This product is suitable for exterior locations. Please read this manual before installation and retain for future reference.

## TECHNICAL SPECIFICATIONS

Lithium-Ion Battery	2200mAh 3.7V
LED Wattage	2.2W
Colour Temperature	3000K
Lumens	180 lm (approx.)
Detection Range	100° max. 6m
Light Activation Level	<10 lux (dusk)
Operating Temperature	-20°C - 40°C
IP Rating	IP44
Mounting	Ground
Construction	LM2 alloy, UV-stabilised polycarbonate
Warranty	2 years

Specifications are subject to change without notice



### IMPORTANT

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.



## BEFORE YOU START

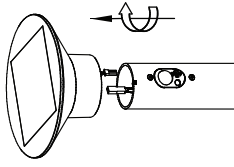
Please read all the instructions prior to installation.

To achieve best results, please consider the following points:

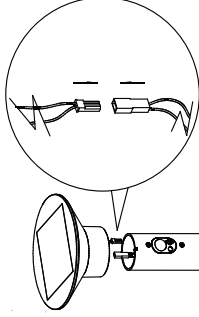
- As solar powered lights do not work without sunlight, the solar panel must be positioned so that it is exposed to the maximum amount of sunlight possible. In areas that are short of light or after continuous days of rain, the solar light may not gain sufficient power to operate all night.
- Installing anywhere trees or building structures can obstruct direct light to the panel will reduce performance of this product.
- The solar light incorporates a highly efficient lithium-ion battery.

## INSTALLATION

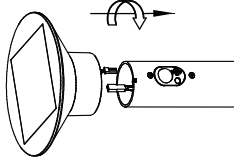
- 1** Unscrew the light unit from the bollard and remove.



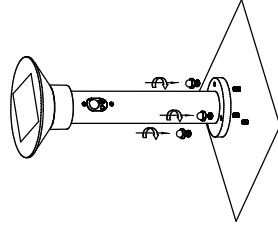
- 2** Connect red/black battery cable inside the unit.



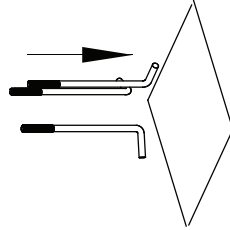
- 3** Screw the light back into the bollard.  
**WARNING:** Ensure the cables are not pinched in closing the unit.



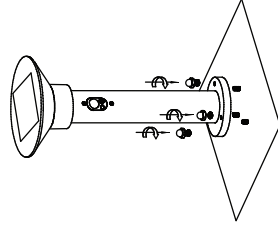
- 4** Mark the holes for the mounting pegs into the chosen location. Ensure location gets maximum sunlight.



- 5** Fix the mounting pegs into the ground with the horizontal pins facing outward.



- 6** Lower bollard onto pegs and screw the bolts over mounting the pegs to secure it.



## INITIAL 3-DAY CHARGE

Cycle through sensor settings to Mode 4 (OFF) as shown in the guide below. The solar cell will charge the battery without activating the light. Leave the unit in this setting for 3 sunny days to ensure that the battery is fully charged for normal operation.

## SENSOR SETTING MODES

Press the white button, located next to the sensor, to sequence settings using the guide below.

MODE	COLOUR	SETTING
1	Blue	20% output on courtesy mode 100% output on PIR activation
2	Red	100% output on PIR activation
3	Purple	50% output for 6 hours (from dusk)
4	N/A	OFF

## PIR TIME ON ACTIVATION

Use the black dial, adjacent to the sensor lens, to sequence the timer settings. Times are approximate.

SETTING #1	SETTING #2	SETTING #3
7 seconds	30 seconds	90 seconds

## MAINTENANCE

Routine cleaning of the solar panel will allow it to perform at peak capacity. In winter, keep snow and ice from building up on the solar panel so the battery charges properly. Use a damp, clean cloth for cleaning purposes.

Replacement battery type required is lithium-ion type 18650 3.7V 2200 mAh

## TROUBLESHOOTING

If the solar light does not operate at dusk after following the installation instructions provided, please try the following:

- Ensure the solar panel is not shaded or otherwise obstructed during the day from charging.
- Ensure the battery is connected correctly.
- Check that the sensor is not in Mode 4

When the solar light starts flashing and stops operating, this indicates that the battery charge is depleted.

- Recharge during daylight hours.