

# INSTALLATION INSTRUCTIONS



## ROBO LED

### LHT1083

#### Single 18W LED PIR Floodlight

Thankyou for purchasing this Robo LED light fitting.

This product is suitable for sheltered exterior locations. It requires a 230V AC power supply to operate and should be installed by a registered electrician.

### TECHNICAL SPECIFICATIONS

Power Source	220-240V AC
Rated Load	18W
Lumens	1100 lm
Colour Temperature	4000K
Detection range (approx)	Max. 10 metres at 270°scan
Fixed Time on Adjustment	3(±1) minutes.
Protection Rating	IP44
Mounting	Wall
Construction	UV-stabilised polycarbonate
Safety	Class I
Warranty	3 years



### ! IMPORTANT

This product is suitable for use only with a supply voltage of 220-240V AC, 50/60Hz.

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 in 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, or product installed contrary to these installation instructions without the prior written approval of the manufacturer, will void any and all stated warranties. The light source of this luminaires is not replaceable; when the light source reaches its end of life, the whole luminaire must be replaced

## INTRODUCTION

The Robo LED Light incorporates a PIR (passive infrared) sensing device which continuously scans a preset detection zone and immediately switches the light on when it detects movement in that area.

This floodlight can be set to then follow the movement of the subject in the detection zone automatically. While there is movement within range of the unit the light will remain on.

This light fitting is rated to IP44 making it suitable for sheltered exterior locations, please ensure the desired location does not exceed this rating.

## BEFORE YOU START

### **Please read all the instructions prior to installation.**

The Robo LED should be wired to its own light switch. Do not interconnect with other lamp types on the same switch.

An earth connection must be used for electrical safety.

To achieve best results, please consider the following points:

Robo LED is best mounted 1.8 to 2.5 metres above the ground.

To avoid damage to unit, do not aim the sensor towards the sun.

To avoid nuisance triggering, the sensor should be directed away from heat sources such as barbecues, Air-conditioners, other outside lighting, moving cars, flue vents and areas of strong electromagnetic disturbance. Do not aim towards reflective surfaces such as smooth white walls or swimming pools. Nuisance triggering may also occur during inclement weather. The sensor will stabilise again when the weather clears.

The PIR detection specifications may vary slightly depending on the mounting height and location. The detection range of the unit may also alter with temperature change. Before selecting a place to install your Robo LED, you should note that movement across the scan area is more effective than movement directly toward or away from the sensor. If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced.

## IMPORTANT

Do not attempt to aim the floodlight head manually when in motorised function. Manually aiming whilst under power may cause irreparable damage, and may void any warranties.

## INSTALLATION

**We strongly recommend this light fitting is installed by a registered electrician**

Switch off the power supply before commencing any electrical work.

Unscrew the fixing screw at base, press top button down to release and remove the rear cover. Remove the cable anchorage.

Use the rear cover to mark the position of screw holes onto mounting surface.

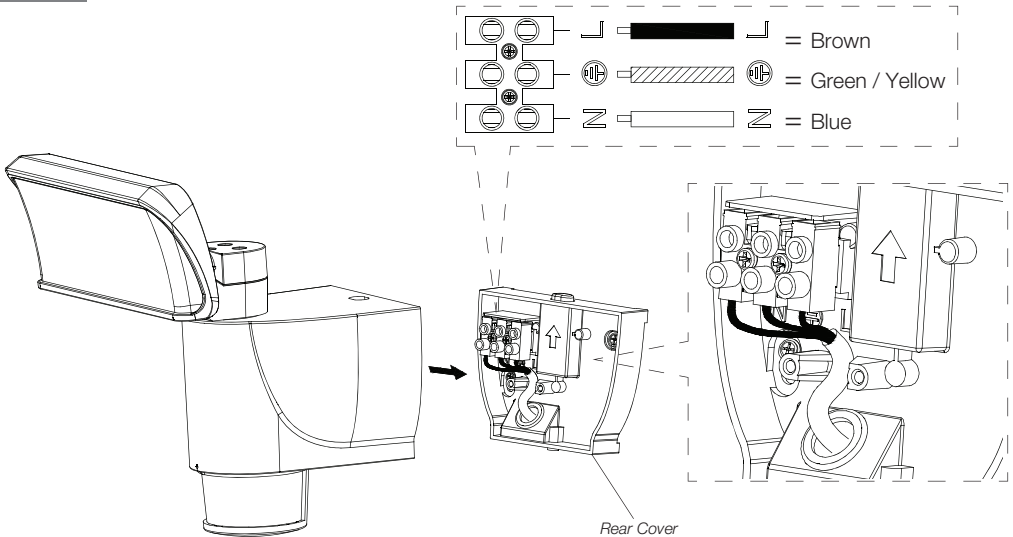
Drill the wall to depth of about 6cm and fit the wall plugs (supplied). Care should be taken to avoid drilling or screwing into concealed electrical wiring/plumbing.

Push the round cable through the cable gland. Affix the rear cover to the mounting surface with mounting wall screws (supplied). Connect the power cables to the terminal block securely (Fig 1).

Refit the cable anchorage and align the power supply pins. Re-attach and securely screw the light to the rear cover while ensuring cables are not pinched when closing the unit.

Reconnect mains power. Test circuit and walk test.

Fig. 1



## OPERATION SETUP

Control button is located on the rear of the PIR housing.

This light has 4 modes signified by the number of flashes with each press of the control button

FLASHES	MODE
1	Light will only be triggered at night and will follow the movement of the subject triggering it.
2	Light will be triggered day and night and will follow the movement of the subject triggering it.
3	Light will only be triggered at night and will not follow the movement of the subject triggering it.
4	Light will be triggered day and night and will not follow the movement of the subject triggering it.

## PRODUCT COMPLIANCES

### Product complies with:

EN60598-1:2015 EN60598-2-1:1989 EN62031:2008  
EN61374-2-13:2014 EN61347-1:2015 EN62493:2015 IEC/TR62778:2014 IEC62471:2006  
EN55015:2013 EN61000-3-2:2014 EN61000-3-3:2013 EN61547:2009 EN61347.1:2016  
and all relevant amendments

## MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd for 3 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 anyway contrary to the installation instructions, used on a supply voltage other than that indicated in the product specifications, or installed in any unusually exposed or harsh environmental conditions.

This guarantee excludes liability for discolouration 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 the 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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