

Power House LED Floodlight

Thank you for purchasing this SIMX Power House LED Floodlight. This light is suitable for outdoor use. Please read this manual thoroughly before use and retain for future reference.



Model	Description
LHT0344	Power House - 120W LED Flood Light
LHT0345	Power House - 200W LED Flood Light

Power Supply: 230 - 240VAC

Colour Temp: 5700k Natural White

Ingress Protection: Rated to IP65

Construction: Polycarbonate + Alloy

Lumens: 120W: 12000 lm
200W: 17000 lm

Operating temperature: -40°C to +50°C

Dimensions: 220mm H | 320mm W | 100mm D

Weight: 5kg

Warranty: 5 Years

PARTS INCLUDED

1x Power House LED Floodlight
with connection box and cable gland

1 x Allen key

2 x Allen Screws M3 X 10 HE

2 x M8 X 12 Bolts

2 x M8 X 12 Large washer

6 x M8 x 10 Spring Washer

2 x M3 Small Washer

4 x Plastic Screw Cover 6mm

4 x Pipe Bracket Screw and Nut Stainless Steel 1/4 x 3/4

1 x Pipe Bracket 35.5cm Long

1 x U-Bracket 125mm x 320mm x 125mm

⚠ IMPORTANT

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.

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.

HEAT MANAGEMENT

The Power House floodlight incorporates thermal control to reduce heat generation if the unit exceeds preset internal temperatures. These controls reset automatically when recovery has occurred. This feature is included to ensure reliable ongoing operation and to maximise the life of the floodlight.

SAFETY NOTES

Avoid positioning the light near flammable or combustible materials (such as wood, cloth, paper) or near flammable, combustible or explosive liquids, solids, gases or equipment.

Avoid directing the light into a person's eyes. This light has a very intensive output, which if incorrectly used may be adverse or dangerous to vision.

ALWAYS disconnect the mains power supply before servicing or performing any maintenance.

ALWAYS maintain the light in good condition, with repairs only undertaken by a qualified electrician.

INSTALLATION AND OPERATING INSTRUCTIONS

Simx strongly recommends this floodlight is installed by a registered electrician.

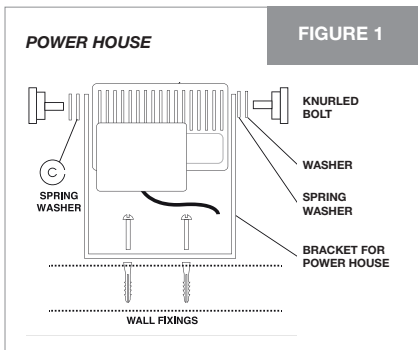
The Power House floodlight a high-powered, professional LED floodlight which is suitable for use outdoors in a range of commercial applications including lighting perimeters, car parks, signage and outside warehouse facilities.

The unit requires connection to a 230VAC mains electricity supply.

OPTION 1: ATTACHING THE POWER HOUSE VIA THE U BRACKET

FIXING TO A WALL (Fig 1)

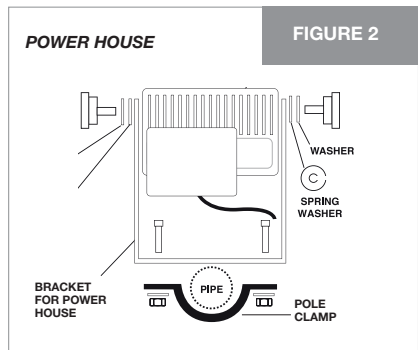
1. Mark off the position using the bracket as a template.
2. Drill two fixing holes for each bracket, and secure the brackets to the wall or ceiling.
3. Attach the floodlight to the bracket with the supplied mounting kit and loosely tighten.



OPTION 2: ATTACHING THE POWER HOUSE VIA THE PIPE BRACKET

FIXING TO A 50MM PIPE (Fig 2)

1. Attach the 'U' brackets and pole clamp securely to the pipe using the nuts and bolts provided.
2. Attached the floodlight to the 'U' bracket with the supplied mounting kit and loosely tighten.



WIRING THE FLOODLIGHT

It is recommended that the unit is connected using Twin & Earth 3-Core round flexible cable of at least 1mm gauge (waterproof cable should be used for outdoor installations).

The Power House has two dual channel drivers which control the 4 LED arrays. The four BROWN (Live) wires in the Power House terminal, each operate as the Live for each of the LED arrays, enabling the arrays to be wired to be switched on and off independently of each other. The unit is supplied with all 4 live wires linked into 2 terminals which are, in turn, bridged by a single BROWN wire.

Isolate the power supply.

1. Loosen the 4 screws holding the front of the connection box in place and remove.
2. Feed the power cable through the cable gland on the connection box, gently tightening gland nut up against the gland body to ensure the wire(s) is secured in place and no water can get through into the connection box.
3. Connect power cable to the terminal block following either [Fig.3] or [Fig.4] below.
4. After the connections have been secured, the floodlight front (Connection Box front) should be fastened to the Connection Box using the 4 Connection Box Screws. Once the screws are secure, the screw covers should be fitted [Fig.5].

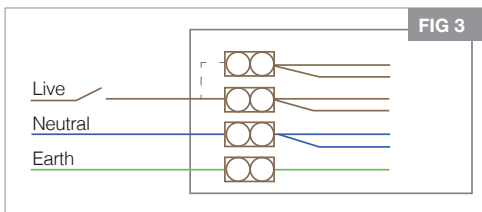
Reconnect the power supply.

5. To secure the angle of light of the Power House set the desired position, tighten the 2 Securing bolts then use the 2 x Allen screws and washers to lock the position of the Power House on the U bracket [Fig.6].

Care and consideration should be taken when the flood is located close to property boundaries, to avoid unnecessary spill light or glare to neighbours, pedestrians or vehicles.

NOTE: The Power House is a Class 1 fitting and therefore needs to be Earthed.

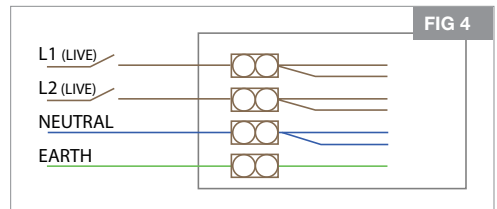
Wiring for Single Lighting Level



Note: One switch operates the Power House which is always at full power (100% light level) when switched on.



Wiring for Two Lighting Level



- Remove the bridge cable.

Note: One switch operates two of the Power House LED arrays, and another controls the other two arrays, enabling the unit to operate at 50% or 100% output dependent on switching.



MANUFACTURERS EXTENDED WARRANTY

This product is guaranteed by SIMX Ltd for 5 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 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 any way 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.

Product is compliant with:

AS/NZS CISPR15:2011

EN55015:2013

EN61547:2009

EN61000-3-2:2006+A1:2009+A2:2009

EN61000-3-3:2013

EN60598-1:2008+A2:2009

EN60598-2-5:1998

EN62471:2008

EN62031:2008+A1:2013

EN62493:2010

EN61347-1

EN61347-2-13

EN61347-2-13



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Simx reserves the right to alter technical specifications without prior warning

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