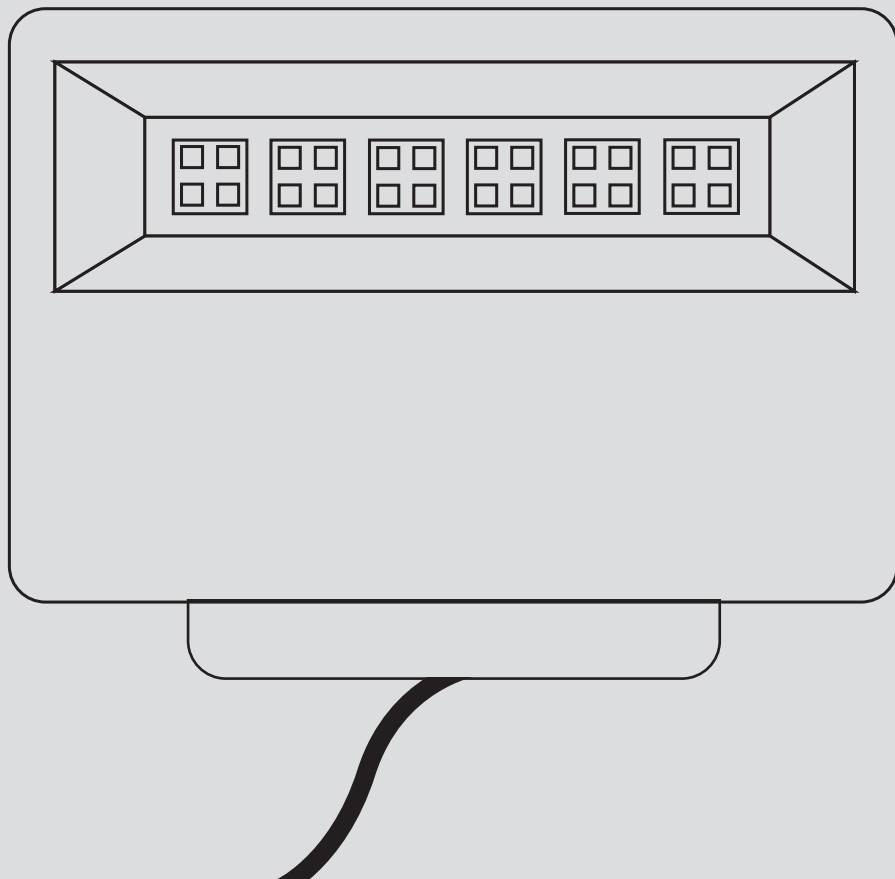


MIGHTYLITE Security Lighting

INSTRUCTION MANUAL

16W, 28W, 36W & 50W Security LED Floodlight



Installation & operating instructions

hylite

HYLITE MIGHTYLITE SECURITY LED FLOODLIGHT– INSTALLATION AND OPERATING INSTRUCTIONS

The Hylite Mightylite floodlight a low energy, high powered outdoor LED floodlight which is suitable for installation on solid walls in a range of locations including entrances, gardens, staircases, garages and outdoor parking areas.

The unit requires connection to a 230 AC 50Hz mains electricity supply.

IMPORTANT INSTALLATION & SAFETY INSTRUCTIONS

WARNING: THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN, AND CHECKED TO ENSURE IT IS SAFE BEFORE USING.

PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL AND OPERATE THIS LIGHT.

- ⚠ The risk of electric shock should be minimized by the installation of appropriate safety devices including the incorporation of an RCCB (Residual Current Circuit Breaker) into the main distribution board.
- ⚠ DO NOT wire this floodlight directly into the lighting circuit. Use a switched fused spur. Cables should always be protected against short circuit and overload use of a RCD.
- ⚠ Ensure the voltage marked on the product is the same as the electrical power supply to be used.
- ⚠ DO NOT install the light where it is likely to be knocked hit, or in hot or humid conditions such as bathrooms, shower rooms or saunas; or near an exhaust outlet e.g. boiler flue, dryer outlet.
- ⚠ DO NOT position the light near flammable or combustible materials (such as wood, cloth, paper) or near flammable, combustible or explosive liquids, solids, gases or equipment.
- ⚠ DO NOT direct the light into a person's eyes. This light has a very intensive light output, which if incorrectly used could cause eye damage.
- ⚠ ALWAYS disconnect the power supply before servicing or performing any maintenance.
- ⚠ ALWAYS maintain the light in good condition, with repairs only undertaken by a qualified electrician.
- ⚠ ONLY carry out repairs using genuine parts. Non authorized parts may be dangerous and will invalidate the warranty.

CONTENTS OF KIT

1 x Mightylite LED Floodlight
1 x Connection box
1 x Cable gland
4 x Connection box screws
4 x Connection box screw covers
4 x Connection box fixing screws
4 x Connection box fixing screw covers

Electric/hand-held drill
No.8 masonry drill bit
Electricians screwdriver
Large cross-head screwdriver
Small cross-head screwdriver
Wire cutters

THIS PRODUCT IS SUITABLE FOR WALL MOUNTING ONLY

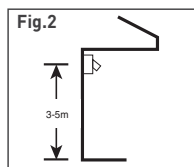
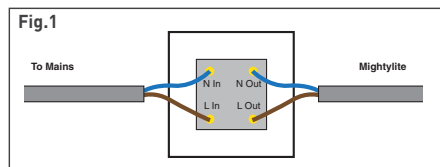
WIRING REQUIREMENTS

The unit requires connection to a 230 AC 50Hz mains electricity supply.

It is recommended that the unit is connected to the domestic lighting circuit via a 5 amp fused spur and using 2-core round flexible cable of at least 1mm² gauge (waterproof cable should be used for outdoor installations).

Live Neutral Earth

It is also advisable to install a single pole wall switch to allow easy control of the floodlight (Fig. 1).



PORTRAIT LANDSCAPE

CHOOSING A MOUNTING LOCATION:

- Mount the floodlight onto solid brick or woodwork, 3 - 5m above the ground [Fig.2].
- Avoid positioning the light near heat sources such as hot ventilator ducts, air conditioning units, street lighting or traffic which may interfere with its operation.

FIXING THE CONNECTION BOX:

WARNING: Isolate the power supply before installation.

- Position the unit on the wall and mark the position for the connection box (which can be positioned in either landscape or portrait planes [Fig. 3]).
- Ensure the wires can easily enter the connection box through either one of the knock-outs on the side of the connection box, or through the knock-out at the rear of the box.

NOTE: It is recommended that the knock-outs on the sides of the connection box are used in conjunction with the cable gland [Fig 4.] as using the knock-out at the rear of the connection box will reduce the weatherproof rating of the unit to IP23.

- However, If feeding a wire(s) through the knock-out at the rear of the connection box, this will need to be removed, the sealing grommet fitted [Fig.5] and the wire pushed through into the connection box BEFORE it is secured to the wall.
- If feeding a wire(s) through the side knock-outs, it is easiest to fit the cable gland to the connection box [Fig.4] BEFORE securing it to the wall, and wires should enter the connection box from the sides or underneath, NOT from the top.

FIXING THE CONNECTION BOX (Cont):

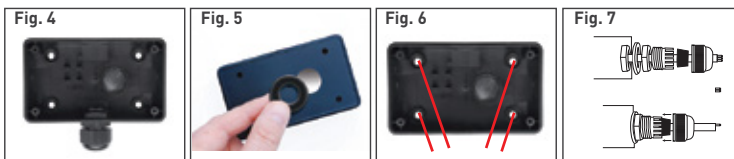
- Use the connection box Fixing Holes [Fig.6] to mark the 4 drill holes required to secure the box to the wall (and mark the cable outlet location if required). Drill the wall and screw the connection box onto the wall using the screws and wall plugs provided.
- Once the wire(s) has been fed through the Sealing Gland, the nut on the gland should be gently tightened up against the gland body [Fig. 8] to ensure the wire(s) is secured in place and no water can get through into the connection box.

WIRING THE FLOODLIGHT:

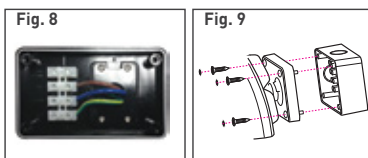
- Once the power cable has been fed through the cable gland (or sealing grommet if using the knock-out at the rear of the connection box) approximately 6mm of insulation should be stripped from each of the cores of AC cable ready to attach it to the terminal block in the front of the light fitting.

NOTE: The Hylite MightyLites MLF016 and MLF028 are Class 1 fittings and therefore need to be Earthed CONNECTING TO POWER SUPPLY

- Connect the BROWN or RED (Live) wire to the terminal (marked "L") holding the single BROWN wire in the floodlight unit [Fig.8].
- Connect the BLUE or BLACK (Neutral) wire to the terminal (marked "N") holding the BLUE wire in the floodlight unit.
- Connect the YELLOW/GREEN or BARE (Earth) wire to the terminal (marked "EARTH") holding the YELLOW/GREEN wire in the floodlight unit
- 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 provided [Fig.9]
- Once screws are secure, the screw covers (provided) should be fitted should be fitted [Fig.9].
- To adjust the MightyLite simply hold the Connection Box firmly whilst moving the head of the floodlight to the required position.



FIXING HOLES



MIGHTYLITE

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