

Limited Warranty

The warranty obligations of F4 Enterprises ("F4") for this product are limited to the terms set forth below:

What is Covered

This limited warranty covers defects in materials and workmanship in this product.

What is Not Covered

This limited warranty does not cover any damage, deterioration or malfunction resulting from any alteration, modification, improper or unreasonable use or maintenance, misuse, abuse, accident, neglect, exposure to excess moisture, fire, improper packing and shipping (such claims must be presented to the carrier), lightning, power surges, or other acts of nature. This limited warranty does not cover any damage, deterioration or malfunction resulting from the installation or removal of this product from any installation, any unauthorized tampering with this product, any repairs attempted by anyone unauthorized by F4 to make such repairs, or any other cause which does not relate directly to a defect in materials and/or workmanship of this product. This limited warranty does not cover cartons, equipment enclosures, cables or accessories used in conjunction with this product.

How Long Does this Coverage Last

This limited warranty lasts for three (3) years from the date of original purchase of this product. Proof of purchase should be retained.

Who is Covered

Only the original purchaser of this product is covered under this limited warranty. This limited warranty is not transferable to subsequent purchasers or owners of this product.

What F4 will do

F4 will, at its sole option, provide one of the following remedies to whatever extent it shall deem necessary to satisfy a proper claim under this limited warranty:

- Elect to repair or facilitate the repair of any defective parts within a reasonable period of time, free of any charge for the necessary parts and labor to complete the repair and restore this product to its proper operating condition. F4 will also pay the shipping costs necessary to return this product once the repair is complete.
- Replace this product with a direct replacement or with a similar product deemed by F4 to perform substantially the same function as the original product.

What F4 will not do Under This Limited Warranty

If this product is returned to F4 or the authorized dealer from which it was purchased, it must be insured during shipment, with the insurance and shipping charges prepaid by you. If this product is returned uninsured, you assume all risks of loss or damage during shipment.

F4 will not be responsible for any costs related to the removal or re-installation of this product from or into any installation.

F4 will not be responsible for any costs related to any setting up of this product, any adjustment of user controls, or any programming required for a specific installation of this product.

How to Obtain a Remedy under this Limited Warranty

To obtain a remedy under this limited warranty, you must contact either the authorized F4 reseller from whom you purchased this product or F4 directly. For contact details, please visit our web site at www.f4enterprises.co.uk.

In order to pursue any remedy under this limited warranty, you must possess an original, dated receipt as proof of purchase from an authorized F4 reseller. If this product is returned under this limited warranty, a return authorization number, obtained from F4, will be required.

If it is decided that this product should be returned directly to F4, this product should be properly packed, preferably in the original carton, for shipping. Cartons not bearing a return authorization number will be refused.

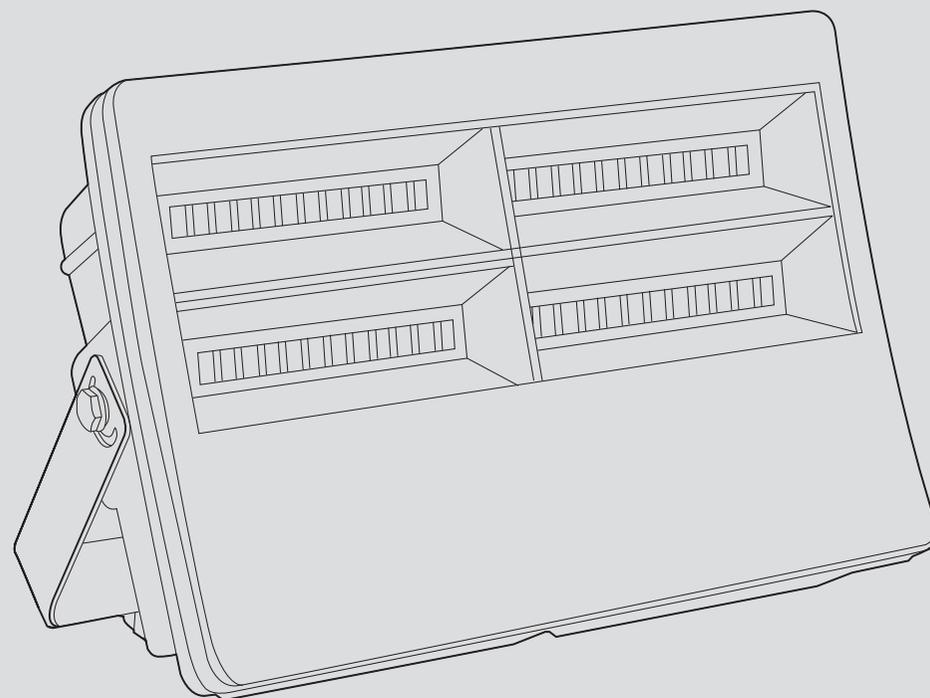
Limitation on Liability

PRICE PAID FOR THE PRODUCT. TO THE MAXIMUM EXTENT PERMITTED BY LAW, F4 IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY.

MIGHTYLITE **PRO**

Mightylite Pro 240W LED Floodlights

Models: MLP240B



Installation & operating instructions

hylite

hylite

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HYLITE MIGHTYLITE PRO – INSTALLATION AND OPERATING INSTRUCTIONS

The Hylite Mightylite Pro floodlight is a high-powered, professional LED floodlight which is suitable for use outdoors in a range of commercial applications including lighting perimeters, car parks, garden areas and outside warehouse facilities. The unit requires connection to a 230 AC 50Hz mains electricity supply.

1. IMPORTANT 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.

1.1. IMPORTANT INSTALLATION INSTRUCTIONS

-  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 into the lighting circuit. Use a switched fused spur. Cables should always be protected against short circuit and overload by use of an RCD.
-  Ensure the voltage marked on the product is the same as the electrical power supply to be used.
-  DO NOT install the light indoor or where it is likely to be knocked or hit; in hot or humid conditions such as near an exhaust outlet e.g. boiler flue, dryer outlet.

1.2. IMPORTANT OPERATION & MAINTENANCE INSTRUCTIONS

-  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 mains 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.

1.3. PARTS INCLUDED

1x Mightylite 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 16 Large washer
2 x M8 x 12 Spring Washer
2 x M3 Small Washer
4 x Plastic Screw Cover 6mm
2 x Pipe Bracket Screw 5mm x 20mm
2 x Pipe Bracket Square Nut 5mm
1 x Pipe Bracket 35.5cm Long
1 x U-Bracket 155mm x 320mm x 155mm

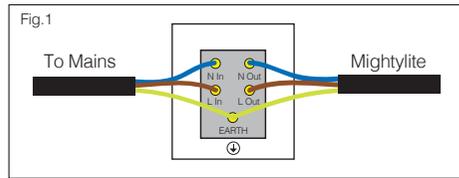
1.4. TOOLS REQUIRED

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

2. WIRING REQUIREMENTS

- The unit requires connection to a 230 AC 50-Hz mains electricity supply.
- It is recommended that the unit is connected to the lighting circuit via a 5 amp fused spur and using Twin & Earth 2-Core round flexible cable of at least 1mm² gauge (waterproof cable should be used for outdoor installations).
- It is also advisable to install a single pole wall switch to allow easy control of the floodlight [Fig. 1].



3. FIXING THE MIGHTYLITE PRO

WARNING: Isolate the power supply before installation.

The Mightylite can be fixed in position by EITHER:

- Option 1: Attaching the U bracket to the mounting surface and attaching the Mightylite to the U bracket, or
- Option 2: Clamping the pipe bracket to the U bracket around a pipe or pole, and then attaching the Mightylite.

3.1. OPTION 1: ATTACHING THE MIGHTYLITE PRO VIA THE U BRACKET

If attaching the Mightylite Pro direct to a wall using the U bracket:

- Select a mounting point which is strong enough to support the weight of the Mightylite.
- Attach the Mightylite Pro to the U bracket using the two securing bolts provided [Fig.2].
- Position the unit against the mounting surface and mark the position for the U bracket, ensuring the wires can easily reach the unit.
- Use the U bracket Fixing Holes [Fig.3] to mark the 4 drill holes required to secure the U bracket to the wall (and mark the cable outlet location if required).
- Detach the Mightylite Pro from the U bracket, drill the wall and screw U bracket onto the wall using appropriate fixings which are able to support the weight of the Mightylite Pro.
- Once the U bracket is securely attached to the wall, offer the Mightylite Pro up to the U bracket and secure using the securing bolts, spring washers and washers provided [Fig.2].
- Loosen the 4 screws holding the front of the connection box in place and remove.
- Feed the wire through the cable gland on the connection box gently tightening gland nut up against the gland body [Fig. 4] to ensure the wire(s) is secured in place and no water can get through into the connection box.
- Wire the Mightylite Pro as described in Section 4.

Fig. 2



Fig. 3



Fig. 4

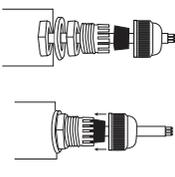


Fig. 5 Fixing to a pipe

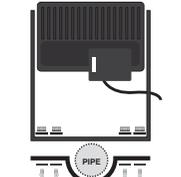
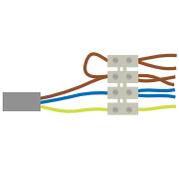


Fig. 6



3.2. OPTION 2: ATTACHING THE MIGHTYLITE VIA THE PIPE BRACKET

If attaching the Mightylite Pro to a pipe or post using the pipe bracket, first ensure the pole is strong enough to support the weight of the Mightylite then proceed as follows:

- Establish the correct position for the Mightylite Pro on the pipe ensuring the wires can easily reach the unit.
- Position the pipe bracket and U bracket around the pipe and secure using appropriate nuts bolts and washers (included), as shown in [Fig.5].
- Offer the Mightylite Pro up to the U bracket and secure using the securing bolts, spring washers and washers provided [Fig.2].
- Loosen the 4 screws holding the front of the connection box in place, and remove.
- Feed the wire through the cable gland, gently tightening gland nut up against the gland body [Fig. 4] to ensure the wire(s) is secured in place and no water can get through into the connection box.
- Wire the Mightylite Pro as described in Section 4.

4. WIRING THE FLOODLIGHT

- Once the power cable has been fed through the cable gland, 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: Hylite Mightylite Pro are Class 1 fittings and therefore need to be Earthed

4.1 CONNECTING TO POWER SUPPLY

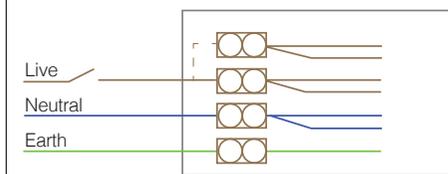
IMPORTANT: The Mightylite Pro has two dual channel drivers which control the 4 LED arrays within the Mightylite Pro. The four BROWN (Live) wires in the Mightylite Pro terminal, each operate as the Live for each of the LED arrays, enabling the arrays to be wired to be switched on and off independently of each other (See Section 4.2 Wiring Options). The two BLUE (Neutral) wires in the terminal operate as the Neutral for each of the drivers.

The unit is supplied with all 4 wires linked into 2 terminals which are, in turn, connected by a single BROWN wire. To wire the unit so all 4 LED arrays operate together from a single switch (Single Level wiring) proceed as follows:

- Connect the BROWN or RED (Live) wire to either terminal (marked "L") holding 2 BROWN wires in the floodlight unit, and linked together by a single BROWN wire [Fig.6].
- Connect the BLUE or BLACK (Neutral) wire to the terminal (marked "N") holding the 2 BLUE wires in the floodlight unit [Fig.6].
- Connect the YELLOW/GREEN or BARE (Earth) wire to the terminal (marked "EARTH") holding the YELLOW/GREEN wire in the floodlight unit

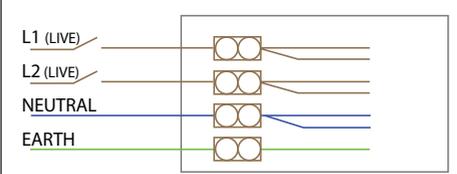
4.2 WIRING OPTIONS

Fig. 7 Wiring for Single Lighting Level



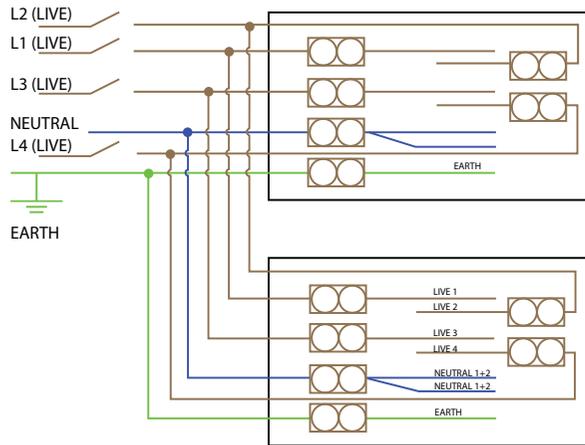
Note: One switch operates the Mightylite Pro which is always at full power (100% light level) when switched on.

Fig.8 Wiring for Two Lighting Levels



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

Fig. 9: Wiring for Four Lighting Levels (using 2 units)



Note: A separate switch is used to control each of the four LED arrays within one or more Mightylite Pro units. Diagram shows 2 units wired together so that both can operate at 25%, 50%, 75% or 100% light level dependent upon switching.

5. AFTER CONNECTING POWER SUPPLY

- 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 screws are secure, the screw covers should be fitted [Fig.10]
- To secure the angle of light of the Mightylite Pro set the desired position, tighten the 2 Securing bolts then use the 2 x Allen screws and washers to lock the position of the Mightylite Pro on the U bracket [Fig.11].

Fig. 10



Fig. 11



6. TECHNICAL SPECIFICATION

Ref:	MLP240B
Description:	Mightylite PRO 240W Floodlight
Fascia:	Matt black polycarbonate
Backplate:	Matt black aluminium
Lens:	Frosted
Wattage:	240W
Lumens generated:	26,000
Voltage:	80 - 280V
Power factor:	>0.9
Efficiency:	<75%
Colour temperature:	ANSI 5700K
Max. LED life	50,000 hrs
Operating temperature:	-40°C to +60°C
Fixed using mounting bracket:	Yes
Optional pipe bracket:	Yes
Dimensions (mm):	220(H) x 325(W) x 125(D)
Weight (kg):	5.0
Warranty:	3 years