



INSTRUCTION MANUAL
HLF RANGE
LED FLOODLIGHT



1. INTRODUCTION

The HLF floodlight series from Major Tech is ideal for mining, warehousing, agriculture, parking lots, and sports grounds. Each floodlight includes multiple 50W LED modules with an IP67 fully isolated driver for enhanced lifespan and light distribution. EMC approved and IP66 rated, the floodlights come with durable fixing brackets for easy installation and a 50cm cable for convenient connection to the main supply. Offering a power factor greater than 0.95, a 120° beam angle, and an operating range of 85–265V AC, these rust-resistant floodlights feature a heavy duty aluminum frame and built-in surge protection to safeguard against electrical faults.

2. INSTALLATION

If any damage is noticed upon removing the product from the packaging, please return it to Major Tech before attempting installation. These lights must be installed by a qualified electrician. If the light is incorrectly installed by an unqualified individual, Major Tech reserves the right to refuse the return of the product.

2.1. Installation Steps

1. Disconnect the power supply before installation.
2. Remove the bracket from the floodlight for ease of installation.
3. Drill 2 holes, place the bracket over the holes and screw into the wall (fig. 1 & 2). Please ensure Installation height (Refer to Specifications table).
4. Reconnect the floodlight to the bracket using the same connections as provided when the light is removed from the packaging (fig. 3).
5. Connect the brown and blue wires respectively to the mains 'Live' and 'Neutral', and connect the yellow and green wire to earth (fig. 4).
6. Confirm connection once installed.

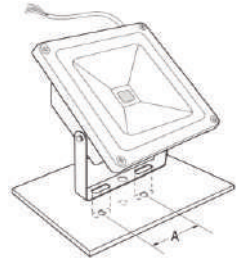


Fig. 1

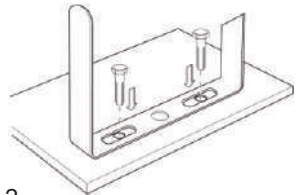


Fig. 2

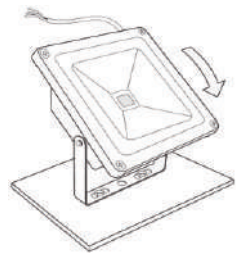


Fig. 3

3. MAINTENANCE

- Ensure the power is switched off before performing any maintenance.
- Clean the glass regularly using non-abrasive cleaners such as water and mild dishwashing liquid to maintain optimal light output.
- Wipe down the housing with a dry cloth to keep it clean and free of dust.

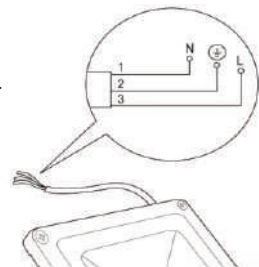
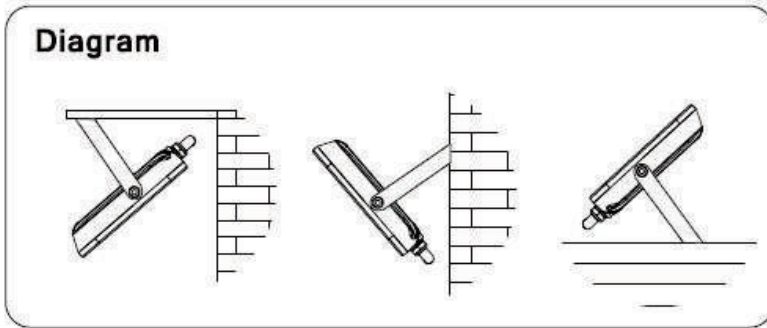


Fig. 4

4. MULTIPLE INSTALLATION OPTIONS



5. SPECIFICATIONS

Function	Range				
Model	HLF10CW	HLF20CW	HLF30WW	HLF30CW	HLF50CW
LED Power	100W	200W	300W	300W	500W
LED Lumen	12 000Lm	24 000Lm	34 200Lm	36 000Lm	60 000Lm
CCT	6500K Cool White	6500K Cool White	3000K Warm White	6500K Cool White	6500K Cool White
Dimensions	288 x 243 x 60mm	423 x 323 x 75mm	460 x 375 x 85mm	460 x 375 x 85mm	690 x 378 x 95mm
Weight	2.3kg	5.1kg	6kg	6kg	11.6kg
Installation Height	5m - 8m				
IK Rating	IK08				
Surge Protection	6kV				
LED Type	SMD 3518				
Rated Life	50 000 Hours				
Voltage	85 - 265V AC				
Frequency	50/60Hz				
Power Factor	>0.95				
CRI	>70				
Beam Angle	120°				
Cable Length	50cm				
IP Rating	IP66				
Housing	IP66				
Driver	IP67				
Operating Temperature	-25°C to 50°C				
Humidity	≤95%R.H				
Atmospheric Pressure	86kPa to 106kPa				
Storage Temperature	-20°C to 65°C				
Standards	IEC 60598-1, IEC 60598-2-5, AS/NZS 60598.1, AS/NZS 60598.2.5				
Approvals	C-Tick, SAA, RCM, LOA				



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