



INSTRUCTION MANUAL

ALF & LFB-50NWC

LED FLOODLIGHT



1. INTRODUCTION

This LED floodlight range is available in various wattages, offering flexible solutions for different lighting requirements. Designed to replace traditional floodlights, the range delivers high lumen outputs across models, ensuring excellent brightness and energy efficiency. Each unit features a durable 4mm strengthened clear glass cover, making it fully weatherproof (IP65 rated) and resistant to harsh environmental conditions. The light source consists of high-power SMD LEDs, which are thermally connected to an aluminium housing to ensure low heat emissions and extended lifespan. Depending on the model, the floodlights offer different IK impact protection ratings and include features such as wide voltage input compatibility and built-in surge protection. Installation must be carried out by a qualified electrical professional.

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.

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. 1

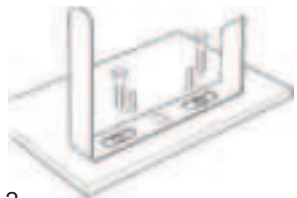


Fig. 2

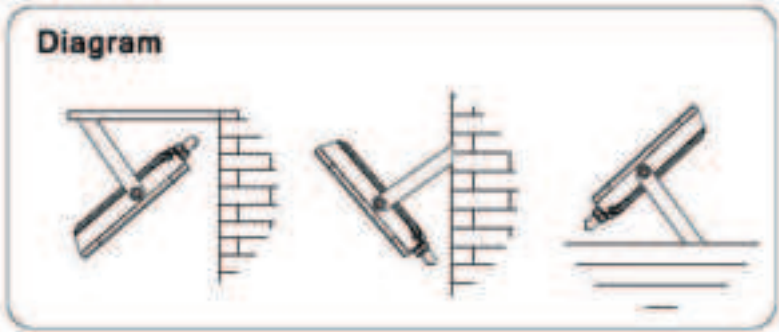


Fig. 3



Fig. 4

4. MULTIPLE INSTALLATION OPTIONS



3. SPECIFICATIONS

Function	Range					
Model	ALF10NW	ALF20NW	ALF30NW	LFB-50NWC	ALF100NW	ALF200NW
LED Power	10W	20W	30W	50W	100W	200W
LED Lumen	1400Lm	2800Lm	4500Lm	7500Lm	15 000Lm	30 000Lm
Dimensions (mm)	92x120x34	120x144x34	176x157x40	181x202x40	282x318x50	314x349x50
Weight	238g	384g	583g	886g	1.79kg	3.82Kg
Installation Height	2m - 3m	2m - 4m	2m - 5m	3m - 6m	5m - 8m	5m - 8m
IK Rating	IK07	IK07	IK07	IK07	IK08	IK08
Surge Protection	2kV	2kV	2kV	4kV	4kV	4kV
LED Type	SMD 2835					
Colour Temperature	4000K - Natural White					
Rated Life	50 000 Hours					
Voltage	185 - 265V AC					
Frequency	50/60Hz					
Power Factor	>0.9					
CRI	>80					
Beam Angle	110°					
IP Rating	IP65					
Temperatures						
Working	-20°C to 45°C					
Storage	-20°C to 65°C					



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