

MIWAT 6fa2fc88-5f81-4a0c-98e5-381387231c9d

MIWAT 20W Plug-in LED Motion Sensor Flood Light User Manual

Model: 6fa2fc88-5f81-4a0c-98e5-381387231c9d

1. INTRODUCTION

Thank you for purchasing the MIWAT 20W Plug-in LED Motion Sensor Flood Light. This product is designed to provide efficient and reliable security lighting for both outdoor and indoor environments. Equipped with a PIR (Passive Infrared) motion sensor, it offers automatic illumination when motion is detected, enhancing safety and convenience while saving energy.

Please read this manual thoroughly before installation and operation to ensure proper use and to maximize the lifespan of your flood light.

2. SAFETY INFORMATION

- Always disconnect power before installing, servicing, or cleaning the fixture.
- Ensure the power source voltage matches the product's requirements (110V AC).
- Do not look directly into the LED light source when it is illuminated, as it may cause eye strain or damage.
- This product is rated IP66 for rainproof protection. While suitable for outdoor use, avoid submerging it in water.
- Installation should be performed by a qualified electrician if you are unsure about electrical wiring.
- Keep the product away from flammable materials.

3. PACKAGE CONTENTS

- 1 x MIWAT 20W LED Motion Sensor Flood Light
- Mounting Screws (Light kit included)
- User Manual (This document)

4. PRODUCT OVERVIEW

The MIWAT 20W LED Motion Sensor Flood Light features a compact design with a powerful LED array and an integrated PIR motion sensor. The sensor is adjustable to optimize detection range and light duration.



Figure 4.1: MIWAT 20W LED Motion Sensor Flood Light with integrated motion sensor and power cord.



Figure 4.2: Illustration of the 120-degree human motion sensor, demonstrating how it turns lights on when people approach and off when they leave.

INFRARED SENSOR




Distance
SENS
Adjustment of inductor sensing distance
(adjustment range radial travel: 1.5-2 metres, left-right travel: 2-10 metres)


150s 4s
TIME
Adjust the time for the floodlight to delay switching off when a person leaves the sensing range (adjustable from 4 seconds to 2 minutes).


 
LUE
Adjust the bulb to work under different brightness, the sun on behalf of all work during the day and night.

Figure 4.3: Detailed view of the infrared sensor's adjustment dials for SENS (sensitivity), TIME (duration), and LUE (light sensor).



Figure 4.4: Key features including upgraded high thermal conductivity heatsinks for efficient heat dissipation, high-quality LED lamp beads for brightness and durability, and the 1.5m (4.9ft) power cord.

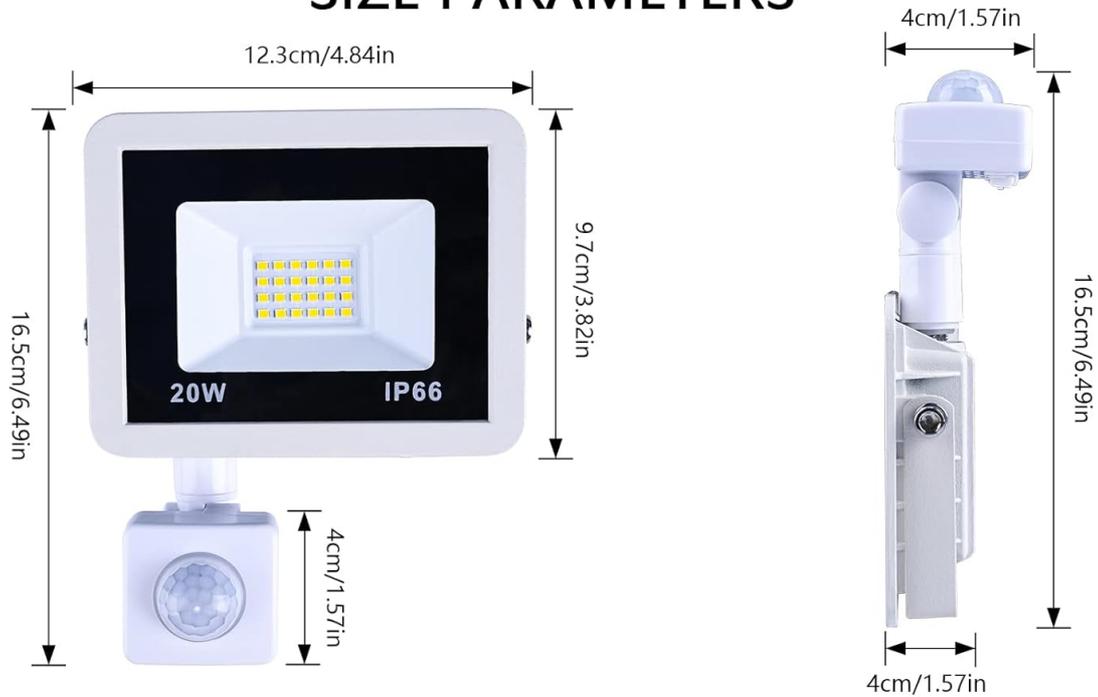
5. SETUP AND INSTALLATION

The MIWAT flood light is designed for easy installation with its plug-in design, requiring no complex wiring. It comes with a 4.9ft (1.5m) power cord and a US plug.

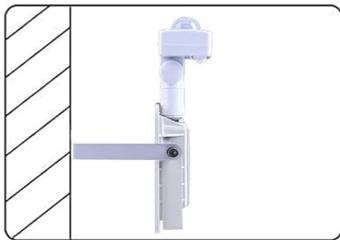
Mounting Options:

The flood light can be mounted on walls, ground, or ceilings using the adjustable bracket. Ensure the mounting surface is stable and can support the weight of the fixture.

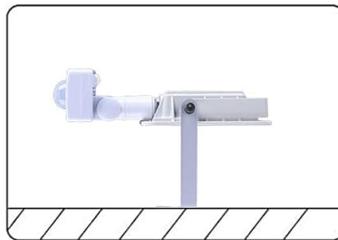
SIZE PARAMETERS



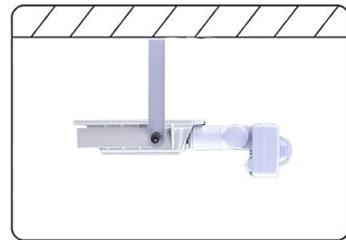
NOTE: This light does NOT come with a plug



Wall Mounting



Ground Mounting



Ceiling Mounting

Figure 5.1: Various mounting configurations: Wall Mounting, Ground Mounting, and Ceiling Mounting.

Installation Steps:

1. **Choose Location:** Select a suitable location for installation, considering the desired lighting area and motion detection coverage.
2. **Mark Drilling Points:** Use the mounting bracket as a template to mark the drilling points on the wall, ground, or ceiling.
3. **Drill Holes:** Drill holes at the marked points. Insert wall anchors if necessary for secure mounting.
4. **Attach Bracket:** Secure the mounting bracket to the surface using the provided screws.
5. **Mount Light Fixture:** Attach the flood light fixture to the secured bracket. Adjust the angle of the light and the motion sensor as needed. The bracket allows for 180-degree adjustment.
6. **Plug In:** Plug the power cord into a standard 110V AC outlet.

For a detailed installation guide, you may refer to the official *Installation Manual (PDF)* available online.

6. OPERATING INSTRUCTIONS

The MIWAT flood light features an adjustable PIR motion sensor with three control dials:

- **SENS (Sensitivity):** Adjusts the detection distance of the motion sensor.

- **TIME (Time Duration):** Sets how long the light stays on after motion is detected.
- **LUE (Light Sensor/Lux):** Determines the ambient light level at which the sensor becomes active (dusk to dawn).

Adjusting Sensor Settings:

Refer to Figure 4.3 for the location of these dials on the sensor head.

- **SENS (Distance):** Turn the dial to adjust the sensing range. A higher setting increases the detection distance (radial travel: 1.5-2 meters, left-right travel: 2-10 meters).
- **TIME:** Turn the dial to set the duration the light remains on after motion is detected. The adjustable range is typically from 4 seconds to 2 minutes (150s max).
- **LUE (Lux):** Turn the dial to set the ambient light threshold. Towards the 'sun' icon, the sensor will activate in brighter conditions (day and night). Towards the 'moon' icon, it will only activate in darker conditions (night only).

Experiment with these settings to find the optimal configuration for your specific needs and environment.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your flood light.

- **Cleaning:** Periodically wipe the light fixture and sensor lens with a soft, damp cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the power cord and plug for any signs of damage. Ensure all mounting screws are tight.
- **Sensor Clearance:** Ensure the motion sensor is not obstructed by plants, furniture, or other objects that could interfere with its detection capabilities.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	<ol style="list-style-type: none"> 1. Power not connected. 2. LUE (Lux) setting is too high. 3. No motion detected. 	<ol style="list-style-type: none"> 1. Check power connection. 2. Adjust LUE dial towards the 'moon' icon. 3. Ensure sensor is not obstructed and motion is within range.
Light stays on constantly.	<ol style="list-style-type: none"> 1. Continuous motion in detection area. 2. TIME setting is too long. 3. Sensor malfunction. 	<ol style="list-style-type: none"> 1. Clear detection area of constant movement. 2. Adjust TIME dial to a shorter duration. 3. Contact customer support if problem persists.
Light turns on during the day.	LUE (Lux) setting is too low.	Adjust LUE dial towards the 'sun' icon.

Problem	Possible Cause	Solution
Motion detection is inconsistent.	<ol style="list-style-type: none"> 1. SENS (Sensitivity) setting is too low. 2. Sensor obstructed or dirty. 3. Environmental factors (e.g., extreme temperature changes). 	<ol style="list-style-type: none"> 1. Increase SENS dial setting. 2. Clean sensor lens and remove obstructions. 3. Reposition the light if environmental factors are an issue.

9. SPECIFICATIONS

Feature	Specification
Brand	MIWAT
Model Number	6fa2fc88-5f81-4a0c-98e5-381387231c9d
Wattage	20 Watts
Brightness	1500 Lumens
Color Temperature	6500K (Daylight)
Power Source	Corded Electric (Plug-in)
Voltage	110 Volts (AC)
Material	Aluminum, Tempered Glass, Sensor Head
Water Resistance Level	IP66 Rainproof
Product Dimensions	4"L x 3"W x 1"H
Item Weight	10.2 ounces
Cord Length	4.9 ft (1.5 m)
Motion Sensor Angle	120 degrees
Installation Type	Wall Mount (Adjustable bracket)
Indoor/Outdoor Usage	Outdoor, Indoor

10. WARRANTY AND SUPPORT

MIWAT provides a **24-Month Warranty** for this product. If you encounter any product problems or require assistance, please contact MIWAT customer support.

To contact support, please refer to the 'Seller Contact' option on the product's purchase platform. We aim to respond to all inquiries within 24 hours.

For additional resources, you may also refer to the [Installation Manual \(PDF\)](#).

