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MIWAT AAB033

MIWAT 50W Plug-in LED Motion Sensor Flood Light Instruction Manual

Model: AAB033 | Brand: MIWAT

1. PRODUCT OVERVIEW

The MIWAT 50W Plug-in LED Motion Sensor Flood Light is designed for outdoor use, featuring a PIR (Passive Infrared) induction sensor for automatic operation. It provides 4500 lumens of DayWhite light with a 120° beam angle, suitable for illuminating large areas. The unit is IP66 rainproof and includes a remote control for adjusting various functions.



Image 1.1: MIWAT 50W LED Motion Sensor Flood Light with included remote control and power cord.

2. KEY FEATURES

- **Smart Dusk to Dawn Operation:** The sensor mode activates at dusk and deactivates at sunrise. It automatically turns on when motion is detected within 12 meters (40 ft).
- **Remote Control Functionality:** Adjust settings such as brightness, timing (1H/3H off), automatic PIR mode, and manual initial mode using the included remote control.
- **Durable IP66 Waterproof Design:** Constructed with high-transparency tempered glass and a cast aluminum shell for rigidity and heat dissipation. IP66 rating ensures rainproof performance for outdoor installation.
- **Easy Plug-in Installation:** Designed for wall or pole mounting with a 5-foot power cord, eliminating complex wiring.
- **High Brightness:** 50W LED provides 4500 lumens of light with a 120° beam angle.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- MIWAT 50W LED Flood Light with integrated motion sensor
- Remote Control
- Mounting Bracket (pre-attached or separate)

- Power Cord (5FT, attached)
- LED Reflector (integrated)

4. SPECIFICATIONS

Attribute	Value
Brand	MIWAT
Model Number	AAB033
Wattage	50 watts
Brightness	4500 Lumens
Color Temperature	6000 Kelvin (DayWhite)
Beam Angle	120°
Motion Sensor Range	Up to 12 meters (40 ft)
Water Resistance Level	IP66 (Rainproof)
Power Source	Corded Electric (110 Volts)
Material	Metal Aluminum Shell, Tempered Glass
Product Dimensions	8.27"L x 8.27"W x 2.56"H
Item Weight	1.32 Pounds
Installation Type	Wall Mount, Pole Mount
Control Method	Remote Control (Infrared)

SIZE OF PRODUCT



Image 4.1: Product dimensions and rotatable sensor details.



Image 4.2: Close-up of LED beads, drop-resistant mirror, rapid heat dissipation fins, human body sensor, 180° rotation, and waterproof connection.

5. SETUP AND INSTALLATION

The MIWAT 50W Flood Light is designed for straightforward installation on walls or poles. No complex wiring is required due to its plug-in design.

5.1 Mounting the Flood Light

1. Choose a suitable location for mounting, such as a wall or pole, ensuring the power cord can reach an outlet.
2. Position the mounting bracket against the desired surface and mark the drilling points.
3. Drill holes at the marked positions and secure the bracket using appropriate screws (not included).
4. Attach the flood light to the secured bracket. The bracket allows for 180° rotation to adjust the light's direction.
5. Adjust the motion sensor's angle as needed. The sensor can rotate to cover the desired detection area.



Image 5.1: The flood light with its adjustable mounting bracket.

5.2 Power Connection

Once mounted, plug the 5-foot power cord into a standard 110V outdoor electrical outlet. Ensure the outlet is protected from weather conditions.

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Video 5.1: This video demonstrates the plug-and-play setup and remote control functions of the MIWAT 50W sensor floodlight.

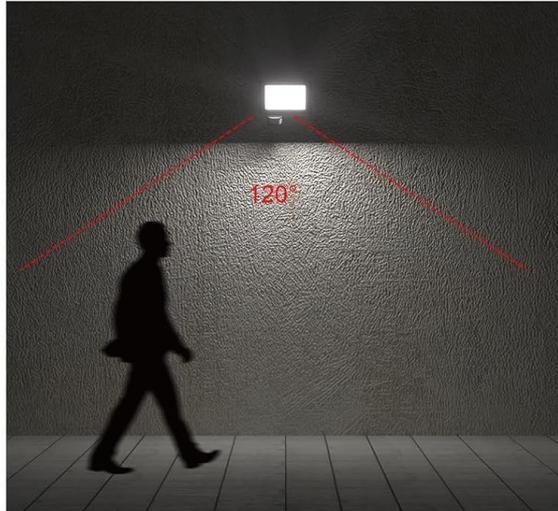
6. OPERATING INSTRUCTIONS

The flood light is operated using the included remote control. Familiarize yourself with the remote's buttons for optimal use.

Swivel Sensor & High Sensitivity

- ✓ Detection distance: 4-10m
- ✓ Automatic lights on and off

- ✓ Motion Activated
- ✓ The irradiation Angle is 120°



- Switching function
- Brightness control
- Timing 1H/3H Off light
- Auto lights out, Immediately/10S/1min/5min
- Glow all day/Night glow
- Brightness 50%/ Brightness 100%



Image 6.1: Remote control layout with descriptions of functions including switching, brightness, timing, auto-off, and sensitivity settings.

6.1 Remote Control Functions

- **ON/OFF:** Turns the light on or off.
- **Brightness Control (+/-):** Adjusts the light intensity.
- **Timing (1H/3H):** Sets the light to turn off after 1 hour or 3 hours.
- **PIR Mode:** Activates the motion sensor functionality.
 - When using timing or PIR mode, the light will flash twice to confirm the setting.
 - LUX and SENS settings are only active in PIR mode.
- **Auto-Off Time (10S/1min/5min):** In PIR mode, sets how long the light stays on after motion ceases (10 seconds, 1 minute, or 5 minutes).
- **DAY/LUX/NIGHT:** Controls when the motion sensor is active.
 - **DAY:** Sensor works in both sufficient light and insufficient light conditions. To use the sensor during the day, press "PIR" then "DAY".
 - **NIGHT:** Sensor only works in insufficient light (darkness). To use the sensor at night, press "PIR" then "NIGHT".
- **Sensitivity (50%/100%):** Adjusts the motion sensor's detection sensitivity.

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Video 6.2: This video demonstrates the remote control settings for the MIWAT 50W PIR flood light, including ON/OFF, timing, PIR mode, and day/night sensor activation.

7. MAINTENANCE

The MIWAT 50W Flood Light requires minimal maintenance. Regular cleaning and inspection will ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the light's surface and the motion 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 for any signs of damage. Ensure the mounting screws are tight and the light is securely positioned.
- **Environmental Factors:** While IP66 rated, extreme weather conditions (e.g., heavy snow accumulation on the sensor) may temporarily affect performance. Clear any obstructions from the sensor.

8. TROUBLESHOOTING

If you encounter issues with your MIWAT 50W Flood Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	No power, remote control battery low, incorrect mode selected.	Check power connection. Replace remote battery. Ensure light is not in "OFF" mode or "NIGHT" mode during daylight.
Motion sensor not detecting.	Sensor obstructed, incorrect sensitivity, "DAY" or "NIGHT" setting incorrect.	Clear obstructions from sensor. Adjust sensitivity (SENS) to 100%. Ensure "DAY" is selected for daytime sensing or "NIGHT" for nighttime sensing.
Light stays on too long/short.	Incorrect auto-off time setting.	Adjust the auto-off time (10S/1min/5min) using the remote control.
Light flickers.	Unstable power supply, internal component issue.	Ensure a stable power connection. If flickering persists, contact customer support.

9. WARRANTY AND SUPPORT

The MIWAT 50W Plug-in LED Motion Sensor Flood Light comes with a **24-Month Warranty**.

For any product problems or support inquiries, please contact MIWAT customer service. You can typically find contact information through your purchase platform or the official MIWAT website.

no relevant documents