

MEIKEE 64000018-DW

MEIKEE 30W 3000LM LED Flood Light with Motion Sensor User Manual

Model: 64000018-DW

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your MEIKEE 30W 3000LM LED Flood Light with Motion Sensor. This product is designed to provide bright, cool white (6500K) illumination for outdoor areas, featuring an integrated infrared motion sensor for enhanced security and energy efficiency. Its robust IP66-rated housing ensures reliable performance in various weather conditions.

2. SAFETY INSTRUCTIONS

Please read and understand all safety instructions before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Disconnect Power:** Always ensure the main power supply is disconnected before attempting any installation, maintenance, or repair.
- **Qualified Installation:** Installation should be performed by a qualified electrician or a person with appropriate electrical knowledge to ensure compliance with local wiring regulations.
- **Grounding:** Ensure the product is properly grounded to prevent electric shock.
- **Voltage Compatibility:** This product operates on 220 Volts. Verify your power supply matches this requirement.
- **Avoid Direct Eye Exposure:** Do not look directly into the LED light source when it is illuminated, as this may cause eye strain or damage.
- **Outdoor Use Only:** This flood light is designed for outdoor use and is rated IP66 for weather resistance. Ensure all connections are sealed to maintain this rating.

3. PRODUCT OVERVIEW

The MEIKEE LED Flood Light features a durable design with advanced components for optimal performance.

Key Features:

- **High Brightness:** 30W LED providing 3000 lumens of 6500K cool white light.

- **Motion Detection:** Integrated infrared motion sensor with a 120° detection angle and up to 12 meters (39 feet) detection distance.
- **Adjustable Sensor:** The motion sensor can be adjusted 360° horizontally and 180° vertically for precise coverage.
- **Adjustable Lighting Duration:** Light duration can be set from 10 seconds to 600 seconds (10 minutes).
- **Weatherproof Design:** IP66 rated for the flood light and IP64 for the infrared sensor, ensuring protection against dust and strong jets of water.
- **Durable Construction:** Made with high-quality materials, including a Nano glass cover for enhanced durability and improved heat dissipation.

Components:

- LED Flood Light Unit
- Integrated Motion Sensor
- Mounting Bracket
- 1.5m Power Cable (pre-attached)

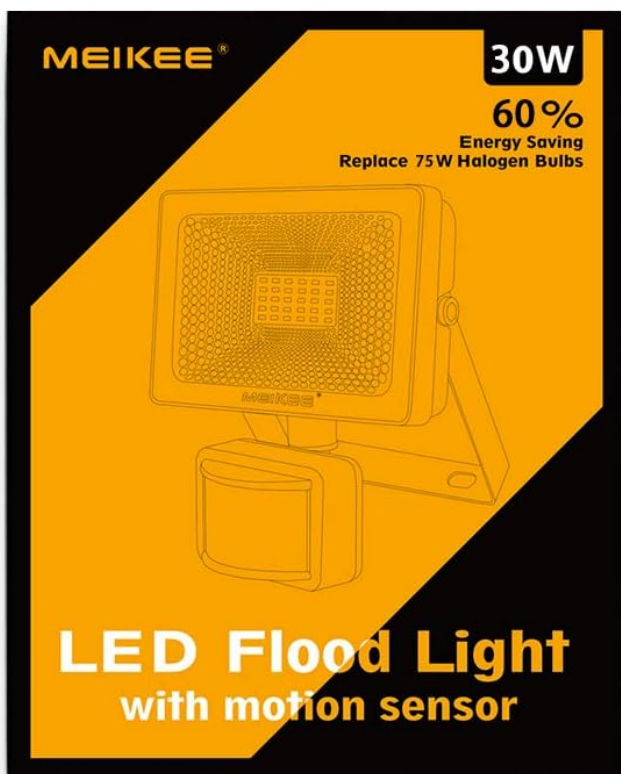




Image: Rear view of the MEIKEE LED Flood Light, displaying the model number and technical specifications.

4. INSTALLATION

Follow these steps for proper installation of your MEIKEE LED Flood Light.

4.1 Choosing a Location

- Select a mounting surface that is stable and can support the weight of the fixture.

- For optimal motion detection and light coverage, an ideal mounting height is between 3 to 5 meters (10 to 16 feet).
- Ensure the chosen location allows for the desired detection range and beam angle (120° beam angle, 180° detection range).



Image: Diagram illustrating the ideal mounting height (3-5m), 180° detection range, and 120° beam angle for effective illumination.

4.2 Mounting the Fixture

1. Mark the drilling points on the wall using the mounting bracket as a template.
2. Drill holes and insert appropriate wall plugs (not included).
3. Secure the mounting bracket to the wall using screws.
4. Attach the flood light fixture to the mounting bracket and tighten securely.

4.3 Electrical Connection

The flood light comes with a 1.5-meter power cable. Ensure power is OFF before wiring.

- Connect the brown wire (Live) to your main Live wire.

- Connect the blue wire (Neutral) to your main Neutral wire.
- Connect the yellow/green wire (Ground) to your main Ground wire.
- Use a waterproof junction box (not included) to protect all electrical connections, maintaining the IP66 rating.



Image: Details of the SMD lamp beads, efficient heat dissipation design, and the pre-attached 1.5m power cable for wiring.

5. OPERATION

The MEIKEE LED Flood Light features an adjustable motion sensor for customized operation.

5.1 Adjusting the Motion Sensor

The sensor has two adjustable dials: TIME and LUX.

- **TIME Dial:** Controls how long the light stays on after motion is detected. Settings typically range from 10 seconds to 600 seconds (10 minutes). Turn clockwise to increase duration, counter-clockwise to decrease.

- **LUX Dial:** Determines the ambient light level at which the sensor becomes active.
 - Set to the 'sun' icon for the light to operate both day and night (motion detected = light on).
 - Set to the 'moon' icon for the light to operate only at night or in low-light conditions (motion detected + low light = light on).

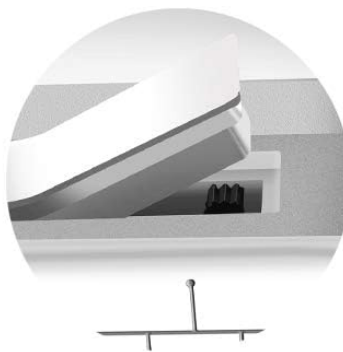
5.2 Sensor Angle Adjustment

The motion sensor can be physically adjusted to optimize its detection area:

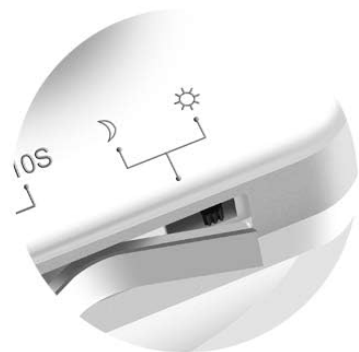
- Rotate the sensor head 360° horizontally.
- Tilt the sensor head 180° vertically.
- Aim the sensor towards the area where motion detection is desired, avoiding heat sources or areas with constant movement (e.g., busy roads) to prevent false triggers.



4 lighting duration can be chosen: 10s/45s/120s/600s



Waterproof protection



☀ light works all day
🌙 light works only at night



Image: Close-up view of the motion sensor, highlighting the TIME and LUX adjustment dials for controlling light duration and ambient light sensitivity.

6. MAINTENANCE

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

- **Cleaning:** Periodically clean the light fixture and sensor lens with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or sensor.
- **Inspection:** Regularly check the mounting bracket and all electrical connections for security and signs of wear or damage. Ensure the waterproof seals are intact.
- **LEDs:** The LEDs are integrated and not user-replaceable. If the LEDs fail, the entire fixture should be replaced.



Image: The MEIREE LED Flood Light demonstrating its IP66 weather resistance against rain, snow, and thunder/lightning, highlighting its suitability for outdoor use.

7. TROUBLESHOOTING

If you encounter issues with your MEIREE LED Flood Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. LUX setting too low (daylight mode). No motion detected.	Check power connection and circuit breaker. Adjust LUX dial towards 'sun' icon for testing. Ensure sensor is aimed correctly and motion is within range.
Light stays on continuously.	TIME setting too long. Continuous motion in detection area. Electrical surge/brownout.	Adjust TIME dial to a shorter duration. Reposition sensor to avoid constant movement. Turn off power for 1 minute, then turn back on to reset.
Sensor is too sensitive or not sensitive enough.	Sensor angle/position. Environmental factors (e.g., heat sources, small animals).	Adjust the sensor's physical angle and tilt. Test different positions. Ensure sensor is not aimed at reflective surfaces or heat vents.
Light flickers or dims.	Unstable power supply. Loose wiring connection.	Consult an electrician to check power stability. Ensure all wiring connections are secure (with power off).

8. SPECIFICATIONS

Detailed technical specifications for the MEIKEE LED Flood Light with Motion Sensor.

Brand: MEIKEE

Model Number: 64000018-DW

Power: 30 Watts

Luminous Flux: 3000 Lumens

Color Temperature: 6500K (Cool White)

Voltage: 220 Volts

Product Dimensions (L x W x H): 21.01 x 5.41 x 23.39 cm

Item Weight: 590 g

Material: Polychlorure de vinyle (PVC)

Special Features: Motion Detector

Ingress Protection (Light): IP66

Ingress Protection (Sensor): IP64

Cable Length: 1.5 meters

Detection Angle: 180°

Detection Distance: Up to 12 meters

Beam Angle: 120°

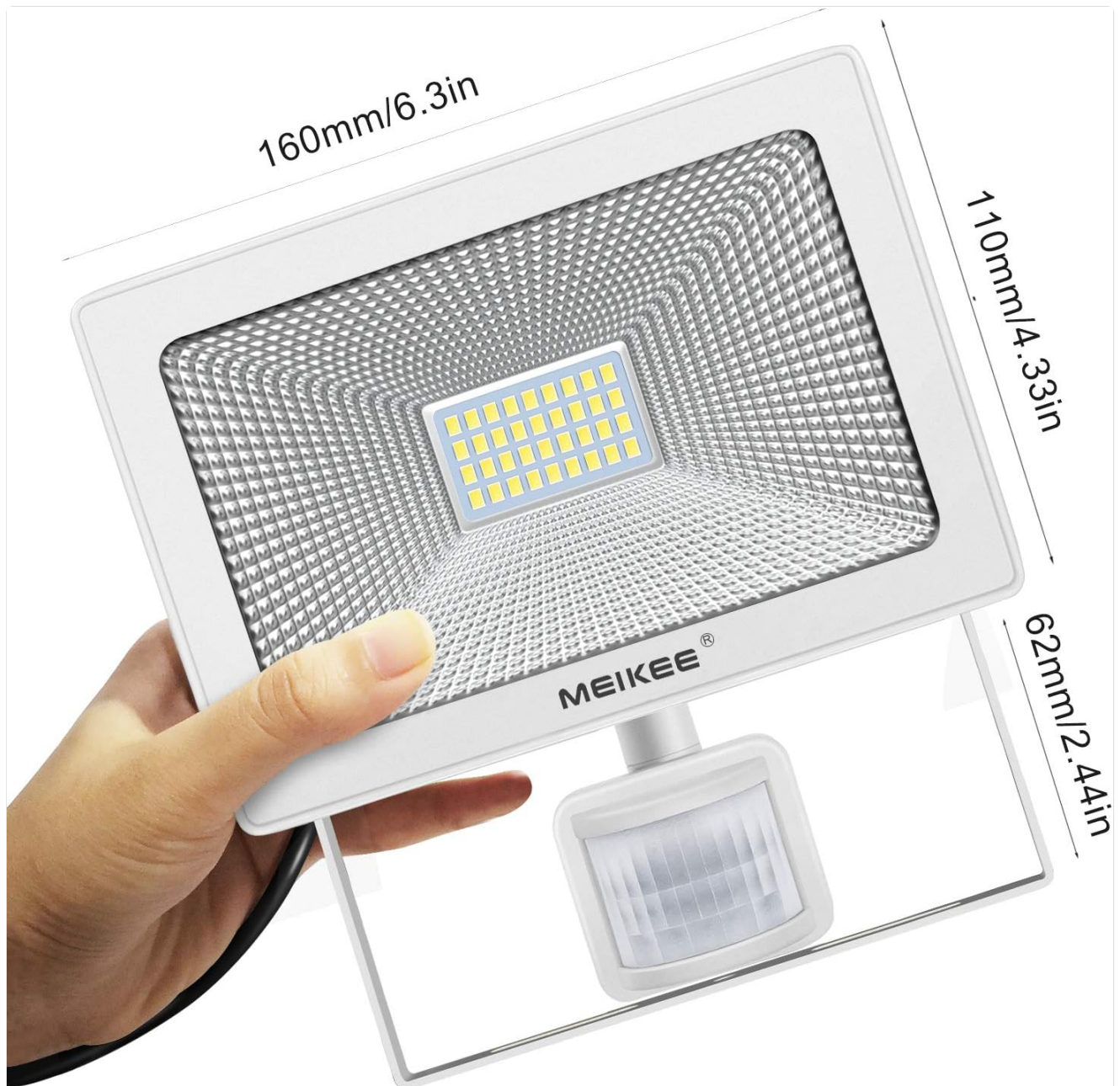


Image: Visual representation of the MEIREE LED Flood Light's dimensions (160mm width, 110mm height, 62mm depth).

9. WARRANTY AND SUPPORT

MEIREE is committed to providing high-quality products and customer satisfaction.

- **Warranty:** This product comes with a 24-month warranty from the date of purchase, covering manufacturing defects.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact MEIREE customer service. Refer to the contact information provided with your product packaging or visit the official MEIREE website for support.