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› MEIKEE LED Floodlight with Motion Detector 35W, Warm White 3000lm 2700K, IP66 Waterproof Instruction Manual

MEIKEE FLB030

MEIKEE LED Floodlight with Motion Detector (Model FLB030)

Instruction Manual

1. INTRODUCTION

Thank you for choosing the MEIKEE LED Floodlight with Motion Detector. This product is designed to provide efficient and reliable illumination for various outdoor and indoor applications, featuring a motion sensor for enhanced security and convenience. Please read this manual carefully before installation and use to ensure proper operation and safety.

2. SAFETY INSTRUCTIONS

- Ensure the power supply is disconnected before installation or maintenance.
- Installation should be performed by a qualified electrician to prevent electric shock or fire.
- Do not look directly into the LED light when it is on, as it may cause eye damage.
- Keep the product away from flammable materials.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.
- Ensure all connections are secure and properly insulated.

3. PACKAGE CONTENTS

- 1 x MEIKEE LED Floodlight with Motion Detector
- Mounting Screws and Wall Plugs
- Instruction Manual



Image 3.1: MEIKEE LED Floodlight, motion sensor, mounting screws, and wall plugs.

4. PRODUCT OVERVIEW

The MEIKEE LED Floodlight features a robust design suitable for various environments. Key components and features include:

- **High-Brightness LED Beads:** Provides efficient and powerful illumination.
- **PIR Motion Sensor:** Detects movement up to 12 meters with a 180° detection angle.
- **180° Adjustable Bracket:** Allows for flexible positioning and beam direction.
- **Fast Heat Dissipation:** Integrated back design with fins ensures optimal heat management for extended lifespan.
- **IP66 Waterproof Rating:** Resistant to dust and powerful water jets, suitable for all weather conditions.
- **Heat and Frost Resistance:** Durable construction for extreme temperatures.



Image 4.1: Key features of the MEIKEE LED Floodlight, including heat dissipation, LED beads, PIR sensor, adjustable bracket, and wire length.



Image 4.2: The floodlight's durability, highlighting its IP66 waterproof, heat, and frost resistance.



Image 4.3: The integrated back design, crucial for effective heat dissipation and extending the product's lifespan.

5. SETUP AND INSTALLATION

5.1 Mounting

1. Choose a suitable mounting location. The ideal mounting height is between 3 to 5 meters for optimal motion detection.
2. Mark the drilling points using the bracket as a template.
3. Drill holes and insert the wall plugs.
4. Secure the floodlight bracket to the wall or ceiling using the provided screws.
5. Adjust the floodlight and motion sensor to the desired angle. The bracket allows for 180-degree rotation.



Image 5.1: Illustration of flexible mounting options, including ceiling and wall installation.

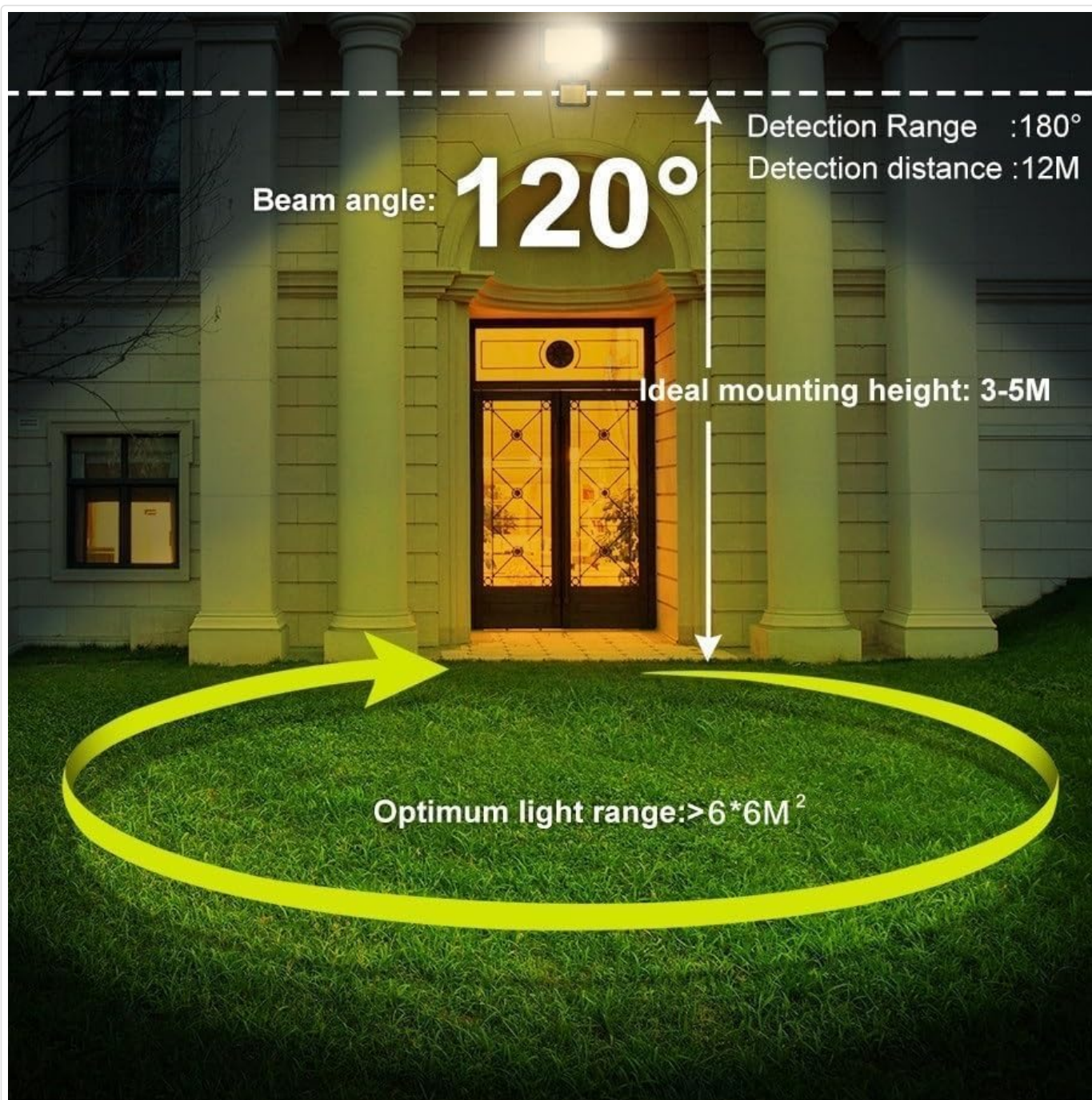


Image 5.2: Optimal mounting height and detection parameters for the motion sensor.

5.2 Wiring

The floodlight comes with a power cable. Connect it to your main power supply according to local electrical codes.

- **Blue wire (N):** Neutral
- **Brown wire (L):** Live

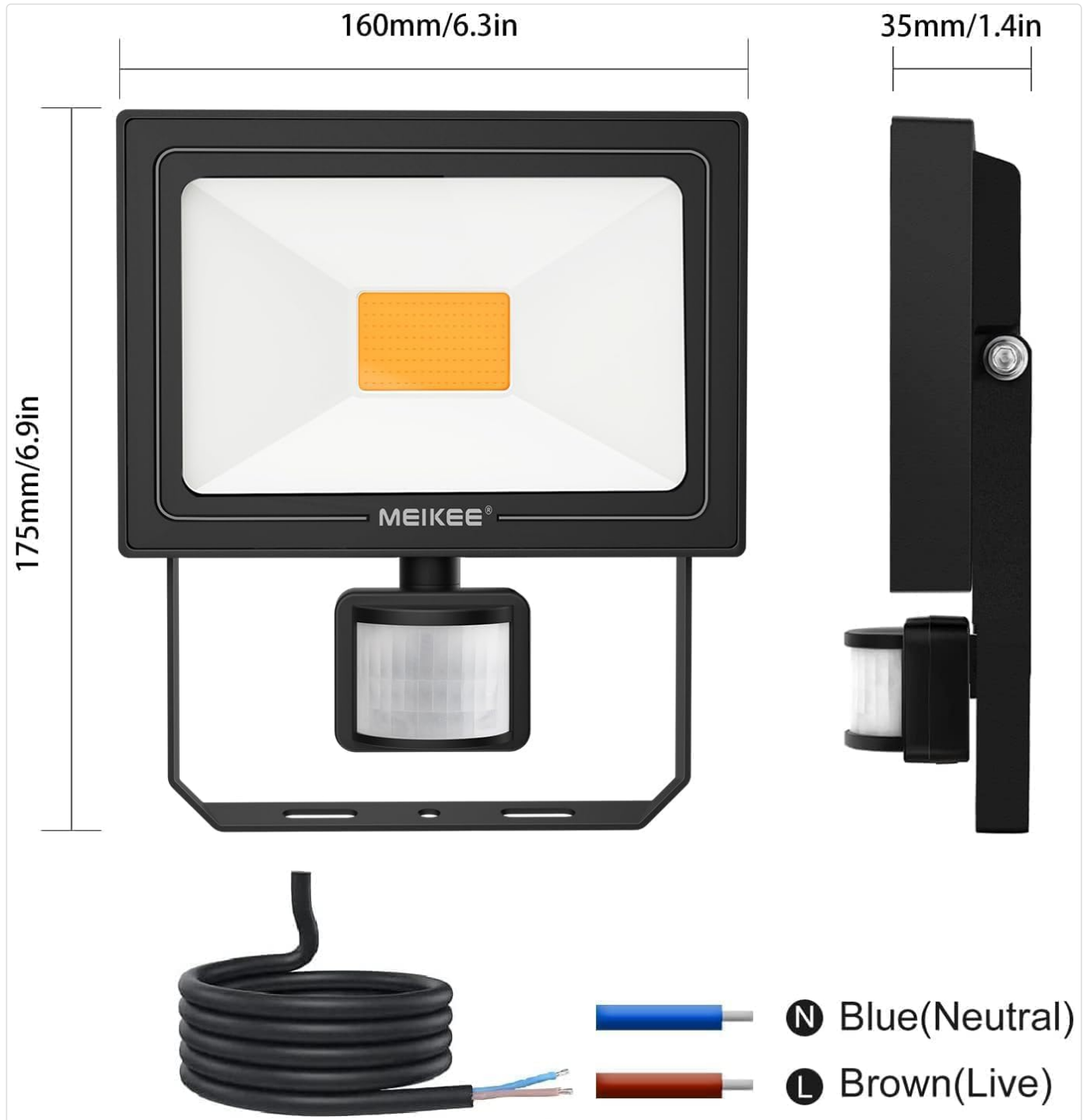


Image 5.3: Product dimensions and wiring color codes for installation.

6. OPERATING INSTRUCTIONS

The motion sensor has two adjustable settings: **TIME** and **LUX**.

6.1 TIME Setting

This knob controls the duration the light stays on after motion is detected. Available settings are:

- 10 seconds

- 45 seconds
- 120 seconds (2 minutes)
- 600 seconds (10 minutes)

6.2 LUX Setting

This knob determines the ambient light level at which the sensor will activate the floodlight.

- **Sun icon (LUX works all day):** The light will activate whenever motion is detected, regardless of ambient light conditions (day or night).
- **Moon icon (LUX works only at night):** The light will only activate when motion is detected and the ambient light is low (dusk to dawn). This setting saves energy.

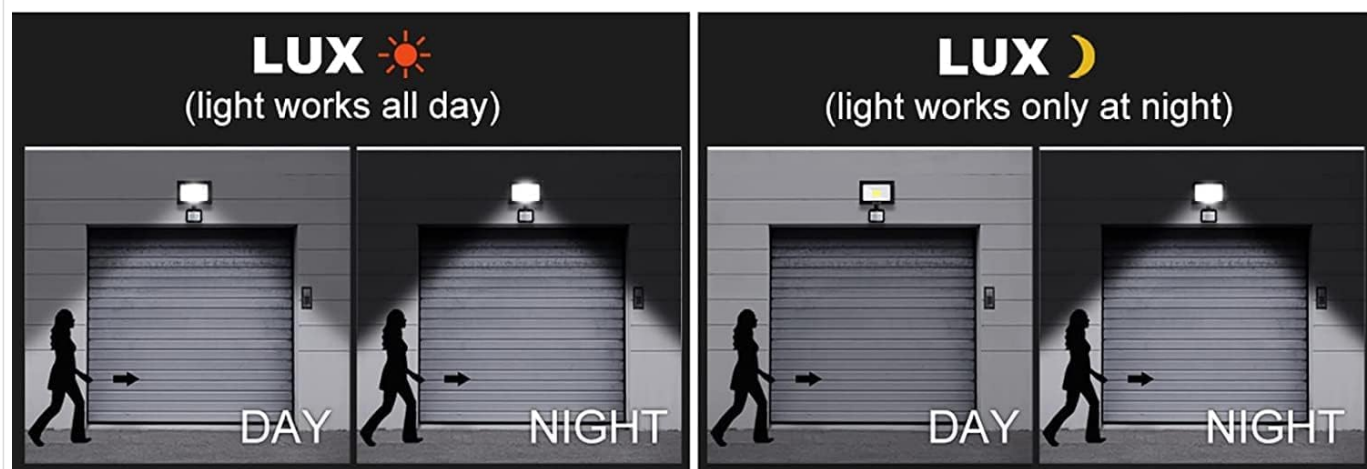


Image 6.1: Detailed view of the TIME and LUX adjustment settings on the motion sensor.

7. MAINTENANCE

- **Cleaning:** Periodically clean the floodlight and sensor lens with a soft, damp cloth to ensure optimal performance. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the power cable and mounting for any signs of damage or loosening. Address any issues promptly.
- **No User-Serviceable Parts:** The LED light source is not replaceable. Do not attempt to open or repair the unit.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; LUX setting too high (daylight); Sensor malfunction.	Check power connection; Adjust LUX setting to 'Moon' for night operation or 'Sun' for all-day; Contact support if sensor is faulty.
Light stays on continuously.	Continuous motion in detection area; Sensor malfunction.	Ensure no constant movement in the sensor's field of view; Adjust sensor angle; Contact support.
Light turns on too frequently.	Sensor sensitivity too high; Environmental factors (e.g., moving branches, small animals).	Adjust sensor angle to reduce detection area; Ensure sensor is not pointing at heat sources or reflective surfaces.
Detection range is poor.	Obstructions; Incorrect mounting height; Sensor angle.	Clear obstructions; Ensure mounting height is 3-5m; Adjust sensor angle for optimal coverage.

9. SPECIFICATIONS

Feature	Specification
Brand	MEIKEE
Model Number	FLB030
Power	30 Watts
Luminous Flux	3000 lm
Color Temperature	2700K (Warm White)
Beam Angle	120°
Motion Sensor Detection Range	Up to 12 meters
Motion Sensor Detection Angle	180°
Waterproof Rating	IP66
Material	Glass, Metal
Dimensions (L x W x H)	18.2 x 17.2 x 5.9 cm

Feature	Specification
Weight	580 g
Energy Efficiency Class	F

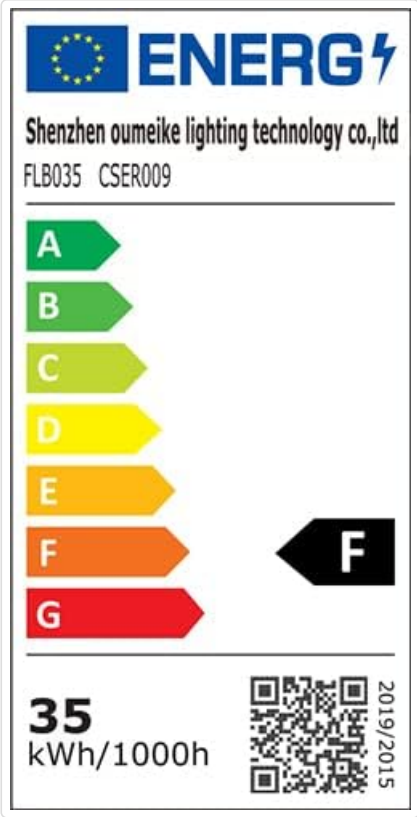


Image 9.1: EU Energy Label for the MEIKEE LED Floodlight. For more details, visit eprel.ec.europa.eu/qr/979502.

10. WARRANTY AND SUPPORT

MEIKEE products are manufactured to high-quality standards. For warranty information or technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.

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