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MEIKEE FLB035

MEIKEE 35W LED Floodlight with Motion Sensor (Model FLB035)

Instruction Manual

1. Introduction

Thank you for choosing the MEIKEE 35W LED Floodlight with Motion Sensor. This manual provides essential information for the safe installation, operation, and maintenance of your floodlight. Please read these instructions carefully before use and retain them for future reference.

2. Safety Information

Always observe basic safety precautions when installing, operating, or maintaining electrical equipment. Failure to do so may result in personal injury or property damage.

- Ensure the power supply is disconnected before installation or maintenance.
- Installation should be performed by a qualified electrician if you are unsure.
- Do not look directly into the LED light source when it is illuminated.
- The product is rated IP66 for the floodlight and IP65 for the sensor, indicating protection against dust and strong jets of water. It is suitable for outdoor use in various weather conditions.
- The lamp body is constructed from high-quality insulating material, and no ground wire is required for safe operation.
- The cable thickness meets the 1mm² standard for enhanced safety.

3. Package Contents

Verify that all components are present in the package:

- 1 x MEIKEE 35W LED Floodlight with Motion Sensor
- 1 x Screw Package (screws and wall plugs)
- 1 x Instruction Manual

Image: Packaging and included components: Floodlight, manual, and mounting screws.

4. Specifications

Feature	Specification
Model Number	FLB035
Power Consumption	35W
Luminous Flux	3000 lumens
Color Temperature	6500K (Cool White)
Beam Angle	120°
Motion Sensor Detection Angle	180°

Feature	Specification
Motion Sensor Detection Distance	Up to 12 meters (pre-set)
Adjustable Lighting Duration	10s, 45s, 120s, 600s
Ingress Protection (Floodlight)	IP66
Ingress Protection (Sensor)	IP65
Dimensions (L x W x H)	6 x 18 x 16 cm
Weight	620 grams
Material	Insulating materials + Nanomaterial (front frame)
Power Source	Electric Cable
Energy Efficiency Class	F (EPREL Link)

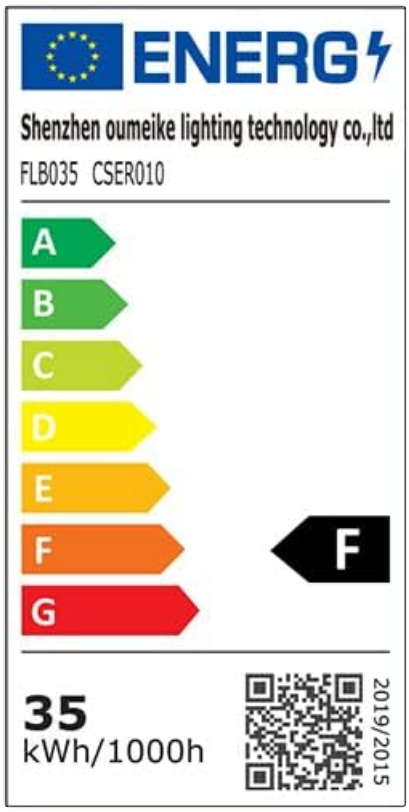


Image: EU Energy Efficiency Label for MEIKEE FLB035 LED Floodlight.

5. Setup

5.1 Mounting the Floodlight

The floodlight features a 180° adjustable bracket and a sensor that can rotate 360° horizontally and 180° vertically, allowing for flexible installation angles. The widened and thickened steel bracket ensures secure mounting.

1. Choose a suitable mounting location. The ideal mounting height for optimal motion detection is between 3.5 and 5 meters.
2. Mark the drilling points on the wall, ceiling, or ground using the bracket as a template.

3. Drill holes and insert the provided wall plugs.
4. Secure the floodlight bracket to the surface using the provided screws.
5. Adjust the floodlight and sensor to your desired angle.

Image: Mounting options: Ceiling, wall, and ground installation.

Image: Adjustable bracket (180°) and sensor (360° horizontal, 180° vertical).

5.2 Electrical Connection

The floodlight is designed for direct connection to your electrical system. It is double-insulated and does not require a ground wire.

- Connect the **blue wire** to the **Neutral (N)** terminal.
- Connect the **brown wire** to the **Live (L)** terminal.
- Ensure all connections are secure and properly insulated.

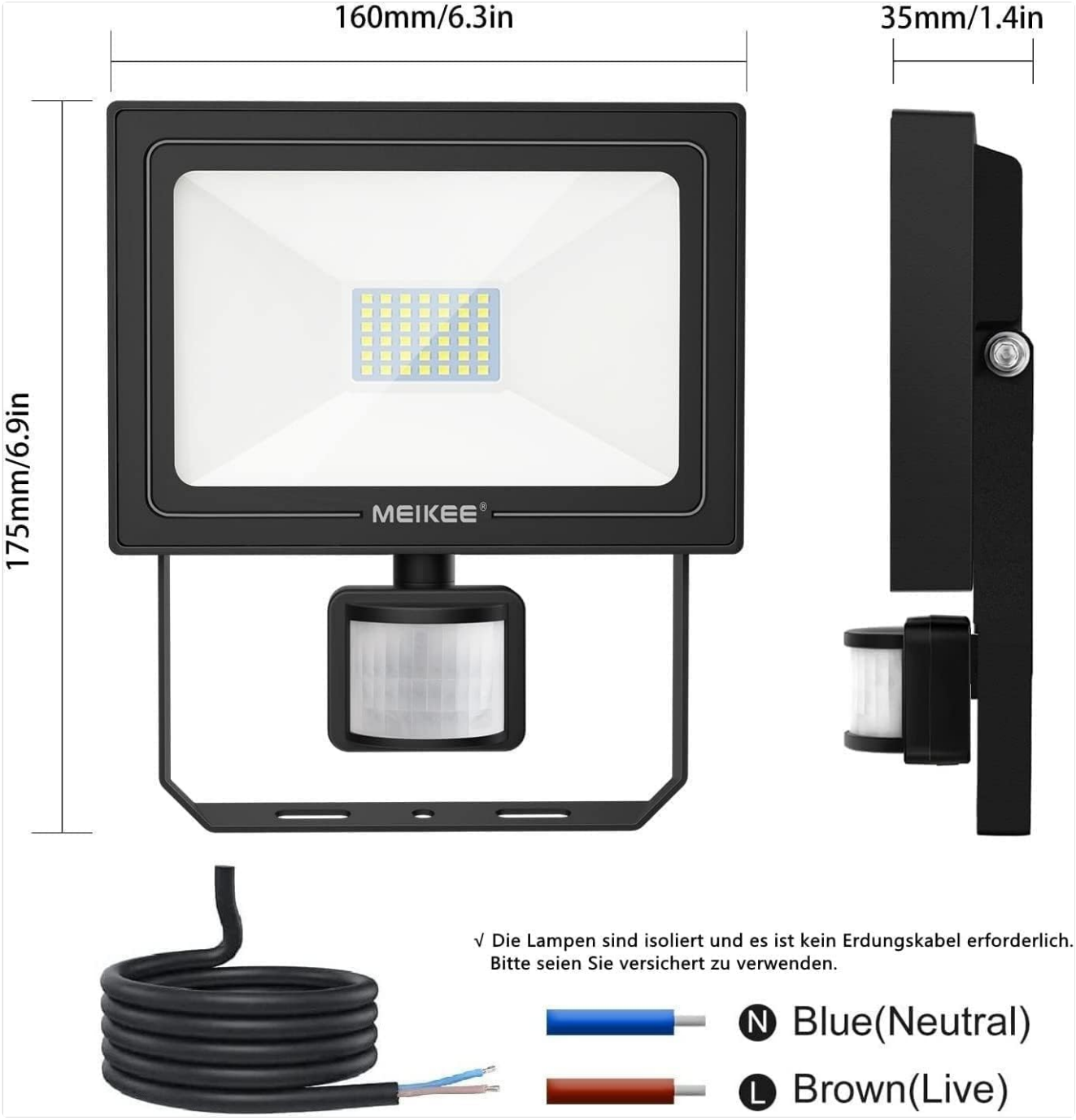


Image: Product dimensions and wiring diagram (Blue: Neutral, Brown: Live).

6. Operating Instructions

6.1 Motion Sensor Settings

The motion sensor features two adjustable settings: TIME and LUX. These settings are controlled via key switches on the sensor unit.

Image: Easy adjustment of TIME and LUX settings on the sensor.

- **TIME Setting:** This controls how long the light remains on after motion is detected. Available durations are 10 seconds, 45 seconds, 120 seconds, and 600 seconds. Select the desired duration using the 'TIME' button.
- **LUX Setting:** This determines the ambient light level at which the sensor becomes active.
  - **Sun Mode (Day):** The light will activate when motion is detected, regardless of ambient light (works all day).
  - **Moon Mode (Night):** The light will only activate when motion is detected and the ambient light is low (works only at night to save energy).

  Select the desired mode using the 'LUX' button.

Image: Day and night lighting modes for energy saving.

6.2 Detection Area and Beam Angle

The motion sensor has a detection angle of 180° and a detection distance of up to 12 meters. The floodlight provides a wide 120° beam angle for extensive illumination.

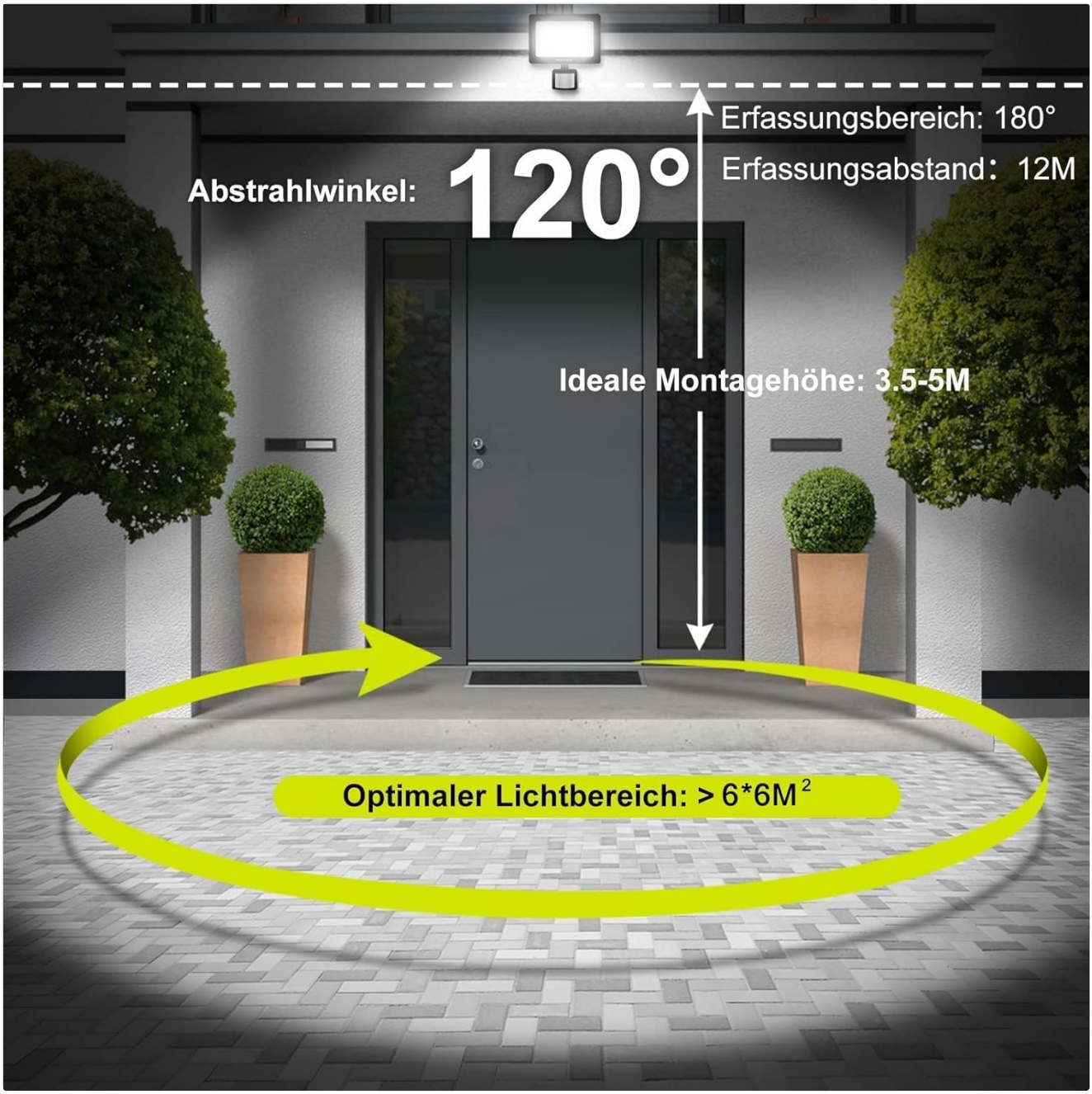


Image: Detection area and optimal light coverage for the floodlight.

Image: Sensor detection angle (180°) and range (12m) with 120° beam angle.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your MEIKEE LED Floodlight.

- **Cleaning:** Periodically clean the floodlight and sensor surface with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the mounting bracket and electrical connections for any signs of wear, damage, or loosening.
- **Heat Dissipation:** The floodlight features an integrated back design for efficient heat dissipation. Ensure that the rear fins are not obstructed to maintain proper cooling.

Image: Integrated back design for efficient heat dissipation and extended lifespan.

Image: Rear view showing heat dissipation fins.

8. Troubleshooting

If you encounter issues with your floodlight, refer to the following common problems and solutions:

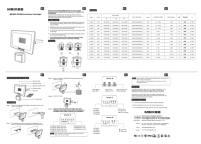
Problem	Possible Cause	Solution

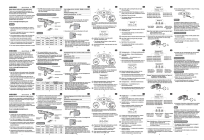
Problem	Possible Cause	Solution
Light does not turn on.	No power supply; incorrect LUX setting; sensor malfunction.	Check power connection. Ensure LUX setting is appropriate for ambient light (e.g., Sun mode for daytime operation). Test sensor by waving hand in front.
Light stays on continuously.	Continuous motion detected; LUX setting too high (Sun mode at night); sensor malfunction.	Check for constant movement in the detection area. Adjust LUX to Moon mode for night-only operation.
Light turns on too frequently or randomly.	Sensor too sensitive; environmental factors (e.g., moving branches, small animals); incorrect LUX setting.	Adjust sensor angle to reduce detection area. Ensure no obstructions are causing false triggers. Verify LUX setting is correct.
Light flashes or flickers.	Unstable power supply; loose wiring connection; product defect.	Check electrical connections for tightness. Ensure stable power. If problem persists, contact support.
Motion detection range is too short/long.	Sensor angle incorrect; environmental factors.	Adjust the sensor's vertical and horizontal angles to optimize detection. Clear any obstructions.

9. Warranty and Support

MEIKEE offers a **2-year warranty** from the date of purchase for this product. If you have any questions, concerns, or require technical assistance, please do not hesitate to contact MEIKEE customer support. We are committed to providing a satisfactory solution within 24 hours.
For support, please refer to the contact information provided with your purchase or visit the official MEIKEE website.

Related Documents - FLB035

	MEIKEE PIR Motion Sensor Floodlights: Specifications, Installation & Features Detailed specifications, installation guide, and sensor adjustment features for MEIKEE PIR Motion Sensor Floodlights, covering models FLB010 to FLB150. Learn about power, lumen output, installation height, lighting range, and operational modes for enhanced outdoor security lighting.
	MEIKEE LED Flood Light with Motion Sensor User Manual This manual provides instructions for the MEIKEE LED Flood Light with Motion Sensor, including installation, operation, and maintenance. It details product specifications, safety precautions, and troubleshooting tips for various models.

	MEIKEE Motion Sensor Lights with 3 Adjustable Heads Installation and Specifications Comprehensive guide for MEIKEE Motion Sensor Lights with 3 Adjustable Heads, covering installation, component diagrams, sensor settings, and technical specifications. Learn how to properly install and adjust your motion sensor lights for optimal performance.
	MEIKEE 42W LED Security Lights User Manual Comprehensive user manual for MEIKEE 42W LED Security Lights with Motion Sensor, covering installation, operation, and specifications. Features IP66 waterproofing and adjustable 180° angle.
	MEIKEE RGB Floodlight User Manual: Installation, Features, and Troubleshooting Comprehensive user manual for MEIKEE RGB Floodlights, covering installation, remote control functions, color modes, timing, troubleshooting, and maintenance. Features IP66 waterproof rating and wide lighting range.
	MEIKEE Solar RGB Floodlight User Manual and Specifications Comprehensive user manual for the MEIKEE Solar RGB Floodlight, detailing installation, operation, specifications, and troubleshooting for this IP66 waterproof, remote-controlled solar lighting solution.