

MEIKEE FLB060

MEIKEE 60W LED Floodlight with Motion Sensor User Manual

Model: FLB060

1. INTRODUCTION

Thank you for choosing the MEIKEE 60W LED Floodlight with Motion Sensor. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new floodlight. Please read these instructions carefully before use and retain them for future reference.

2. SAFETY INSTRUCTIONS

- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local wiring regulations.
- Do not look directly into the LED light source when it is illuminated, as this may cause eye damage.
- This product is designed for outdoor use with an IP66 rating for the floodlight and IP65 for the sensor. Ensure all connections are properly sealed to maintain water resistance.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the product away from flammable materials.
- The lamp body is made of high-quality insulating material, and the wiring is designed to be safe without requiring an earth wire. The wire thickness meets the standard of 1 mm² for enhanced safety.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- 1 x MEIKEE 60W LED Floodlight with Motion Sensor
- 1 x Screw Pack (screws and wall plugs)
- 1 x User Manual (English)



Image 3.1: Contents of the package including the floodlight, motion sensor, power cable, screws, and wall plugs.

4. PRODUCT FEATURES

- **High Brightness & Energy Efficiency:** 60W LED floodlight producing 5200 lumens, offering over 85% energy savings compared to 480W incandescent bulbs.
- **Advanced Motion Sensor:** Features a new design with a key switch for easy operation. Pre-set detection distance of 12 meters.
- **Durable & Weatherproof:** IP66 waterproof rating for the floodlight (IP65 for the sensor) ensures reliable operation in various weather conditions, including rain, heat, and frost. The sensor head is completely sealed using ultrasonic die-casting technology.
- **Robust Construction:** Front frame made of advanced nanomaterial for impact, drop, and scratch resistance. The ultra-thin body design enhances heat dissipation for a longer lifespan.
- **Wide Illumination:** 120-degree beam angle provides broad coverage.
- **Adjustable Design:** The floodlight can be adjusted 180 degrees, and the motion sensor offers 360 degrees horizontal and 180 degrees vertical adjustment for optimal positioning.



Image 4.1: Overview of product features, highlighting heat dissipation, LED beads, PIR sensor, and adjustable bracket.



Image 4.2: The floodlight's IP66 rating ensures it can withstand various weather conditions, including rain, heat, and frost.



Image 4.3: The integrated back design promotes efficient heat dissipation, extending the product's lifespan.

5. SETUP AND INSTALLATION

5.1 Mounting

The floodlight can be securely fixed to a wall, ceiling, or ground using the widened and thickened steel bracket. No

special tools are required for basic mounting.

1. Choose a suitable mounting location, ensuring it is stable and can support the weight of the floodlight.
2. Mark the drilling points using the bracket as a template.
3. Drill holes and insert the provided wall plugs.
4. Secure the bracket to the surface using the provided screws.
5. Attach the floodlight to the bracket and adjust its angle as needed. The floodlight itself is 180° adjustable.



Image 5.1: Examples of mounting positions: ceiling, wall, and ground.

5.2 Wiring

The floodlight is designed with a two-wire system (Live and Neutral) and does not require an earth wire due to its insulated construction. Ensure proper electrical connections are made.

- **Blue wire (N):** Connect to the Neutral terminal.
- **Brown wire (L):** Connect to the Live terminal.

Always consult a qualified electrician if you are unsure about electrical wiring.



Image 5.2: Product dimensions and wiring instructions for Live (Brown) and Neutral (Blue) connections.

6. OPERATING INSTRUCTIONS

6.1 Motion Sensor Adjustment

The motion sensor can be adjusted horizontally by 360° and vertically by 180° to optimize detection area. The detection range is pre-set to 12 meters with a 180° detection angle.



Image 6.1: Detection area and beam angle of the floodlight.



Image 6.2: Motion sensor adjustment and control buttons.

6.2 Sensor Settings

The motion sensor features two adjustable settings via key switches:

- **TIME (Lighting Duration):** Adjusts how long the light stays on after motion is detected. Options include 10s, 45s, 120s, and 600s.
- **LUX (Working Mode):** Determines the ambient light level at which the sensor activates. You can choose between 24 hours (day and night operation) or only at night (moon mode).



Image 6.3: Day and Night lighting modes for energy saving.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your MEIKEE LED Floodlight.

- **Cleaning:** Periodically clean the floodlight and sensor lens with a soft, damp cloth to remove dust and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the mounting bracket and wiring for any signs of wear, damage, or loose connections. Tighten screws if necessary.
- **Power Disconnection:** Always disconnect power before performing any cleaning or inspection.

8. TROUBLESHOOTING

If you encounter issues with your floodlight, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Incorrect wiring. LUX setting too low (daylight mode).	Check power connection. Verify wiring. Adjust LUX setting to '24 hours' or 'night' mode.
Light stays on continuously.	Continuous motion detected. TIME setting too long. LUX setting in '24 hours' mode.	Ensure no constant motion in detection area. Reduce TIME setting. Adjust LUX setting to 'night' mode.
Light turns on/off frequently.	Sensor sensitivity too high. Environmental interference (e.g., moving branches, small animals).	Adjust sensor angle to reduce detection area. Remove obstructions.
Detection range is too short.	Sensor angle incorrect. Obstructions.	Adjust sensor angle to cover desired area. Clear any obstructions.

9. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	FLB060
Power	60W
Luminous Flux	5200 lumens
Color Temperature	6500K (Cool White)
Beam Angle	120°
Motion Sensor Detection Angle	180°
Motion Sensor Detection Distance	12 meters (pre-set)
Adjustable Lighting Duration (TIME)	10s, 45s, 120s, 600s
Working Modes (LUX)	24 hours / Night only
Waterproof Rating	IP66 (Floodlight), IP65 (Sensor)
Dimensions (L x W x H)	19 x 19 x 6 cm (approx. 7.5 x 7.5 x 2.4 inches)
Weight	730 grams (approx. 1.6 lbs)
Material	Insulating materials + nanomaterial front frame
Power Source	Corded Electric
Energy Efficiency Class	E (as per EU energy label)
Specific Uses	Outdoor and enclosed spaces: garden, garage, patio, driveway, cellar, stairs, carport, balcony, parking, etc.

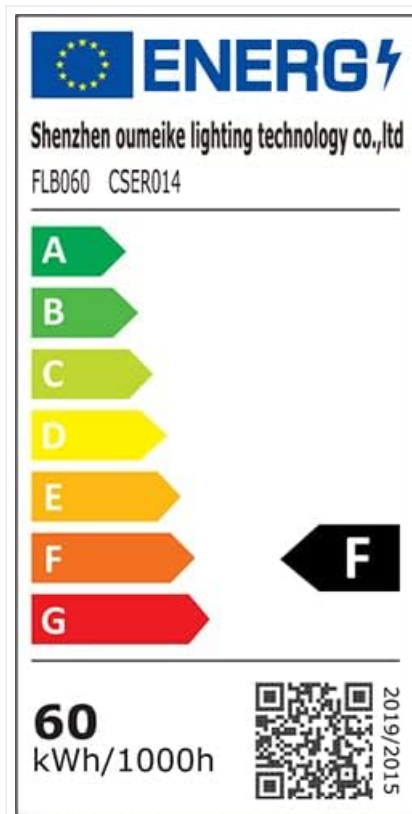


Image 9.1: EU Energy Label for the MEIKEE FLB060. For more details, visit eprel.ec.europa.eu/qr/979543.

Produktdatenblatt			
DELEGIERTE VERORDNUNG (EU) 2019/2015 DER KOMMISSION zur Energieverbrauchskennzeichnung von Lichtquellen			
Name oder Handelsmarke des Lieferanten: Shenzhen oumeike lighting technology co.,ltd			
Anschrift des Lieferanten: CET PRODUCT SERVICE SP. Z O.O., Ul. Długa 33 102, 95-100 Zgierz, PL			
Modellkennung: FLB060 CSER014			
Art der Lichtquelle:			
Verwendete Beleuchtungstechnologie:	LED	Ungebündelt oder gebündelt:	DLS
Art des Sockels der Lichtquelle (oder andere elektrische Schnittstelle)	PC		
Netzspannung/Nicht direkt an die Netzspannung angeschlossen:	MLS	Vernetzte Lichtquelle (CLS):	Nein
Farblich abstimmbare Lichtquelle:	Nein	Hülle:	-
Lichtquelle mit hoher Leuchtdichte:	Nein		
Blendschutzschild:	Nein	Dimmbar:	Nein
Produktparameter			
Parameter	Wert	Parameter	Wert
Allgemeine Produktparameter:			
Energieverbrauch im Ein-Zustand (kWh/1000 h), auf die nächstliegende ganze Zahl gerundet	60	Energieeffizienzklasse	F
Nutzlichtstrom (φuse) mit Angabe, ob sich der Wert auf den Lichtstrom in einer Kugel (360°), in einem breiten Kegel (120°) oder in einem schmalen Kegel (90°) bezieht	5 200 in breiter Kegel (120°)	ähnliche Farbtemperatur, gerundet auf die nächstliegenden 100 K, oder Spanne der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	6 500
Leistungsaufnahme im Ein-Zustand (P _{on}) in W	60,0	Leistungsaufnahme im Bereitschaftszustand (P _d) in W, auf die zweite Dezimalstelle gerundet	0,00

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Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P _{on}) für CLS in W, auf die zweite Dezimalstelle gerundet	-	Farbwiedergabeindex, auf die nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	72
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungs- und Nicht-Beleuchtungs- (Millimeter)	Höhe 80 Breite 80 Tiefe 30	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Volllast	Siehe Bild auf letzter Seite
Angabe zu einer gleichwertigen Leistungsaufnahme ²⁰	-	Falls gleichwertige Leistungsaufnahme (W)	-
		Farbwertanteile (x und y)	0,313 0,337
Parameter für Lichtquellen mit gebündeltem Licht:			
Spitzenlichtstärke (cd)	2 000	Halbwertswinkel in	120

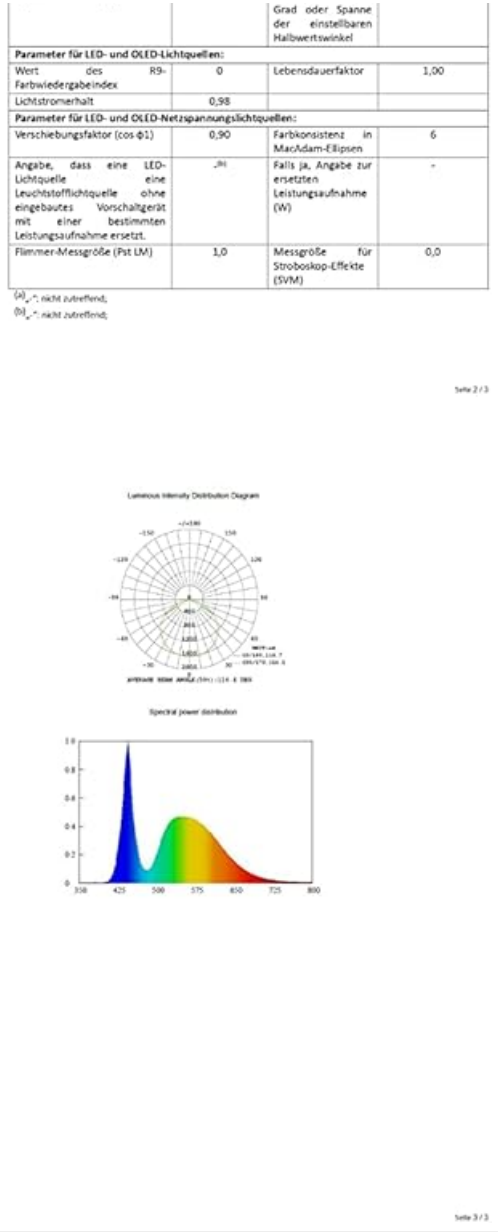


Image 9.2: Detailed product data sheet.

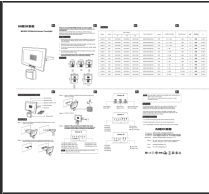
10. WARRANTY AND SUPPORT

MEIKEE offers a **2-year warranty** from the date of purchase for this product. This warranty covers manufacturing defects and material faults under normal use.

If you have any questions, require technical assistance, or experience issues with your product, please do not hesitate to contact MEIKEE customer support. We aim to provide a satisfactory solution within 24 hours.


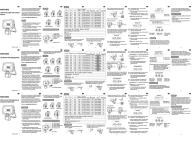

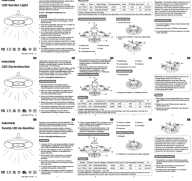

For support, please refer to the contact information provided on the product packaging or the official MEIKEE website.

Related Documents - FLB060



[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.

	<p>MEIKEE LED Flood Light with Motion Sensor User Manual</p> <p>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.</p>
	<p>MEIKEE B04-21FLB-M-E Motion Sensor Security Light User Manual Bright Outdoor Lighting</p> <p>User manual for the MEIKEE B04-21FLB-M-E 60W LED security flood light. Features PIR motion sensor, 5200 lumens, IP66 waterproof rating, and adjustable timer for outdoor security lighting in garages and gardens.</p>
	<p>MEIKEE 42W LED Security Lights User Manual</p> <p>Comprehensive user manual for MEIKEE 42W LED Security Lights with Motion Sensor, covering installation, operation, and specifications. Features IP66 waterproofing and adjustable 180° angle.</p>
	<p>MEIKEE LED Garden Light User Manual and Specifications</p> <p>This document provides instructions, specifications, and maintenance guidelines for the MEIKEE LED Garden Light, including details on installation, features, and safety precautions. Available in multiple languages.</p>
	<p>MEIKEE MK24 Solar Spotlight User Manual</p> <p>This document provides instructions and specifications for the MEIKEE MK24 Solar Spotlight, a dimmable, warm white outdoor garden light with various modes and IP66 waterproofing.</p>