MEIKEE FLB025

MEIKEE 25W LED Floodlight with Motion Sensor User Manual

Model: FLB025

1. INTRODUCTION

Thank you for choosing the MEIKEE 25W LED Floodlight with Motion Sensor. This product is designed to provide super bright, energy-efficient, and reliable outdoor lighting for various applications such as gardens, garages, and yards. Featuring advanced motion detection, remote control functionality, and robust IP66 waterproofing, this floodlight offers enhanced security and convenience. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of the product.

Image: Two MEIKEE 25W LED floodlights with integrated motion sensors and their accompanying remote controls.

2. SAFETY INSTRUCTIONS

To prevent personal injury or product damage, always observe the following safety precautions:

- **Electrical Safety:** Ensure the power supply is disconnected before installation, maintenance, or cleaning. All wiring should be performed by a qualified electrician in accordance with local electrical codes.

- **Voltage:** Verify that the supply voltage matches the product's rated voltage (230 Volts).

- **Mounting:** Mount the floodlight securely on a stable surface that can support its weight. Avoid installing in locations prone to excessive vibration or extreme temperatures.

- **Water Exposure:** Although IP66 rated, avoid submerging the product in water. Ensure all connections are properly sealed to maintain waterproof integrity.

- **Heat:** Do not cover the floodlight or obstruct its heat dissipation fins during operation, as this may lead to overheating.

- **Light Source:** Do not stare directly into the LED light source when it is illuminated, as this may cause eye strain or

damage.

- **Children:** Keep the product and its components out of reach of children.

3. PACKAGE CONTENTS

Please check the package for the following items:

- MEIKEE 25W LED Floodlight with Motion Sensor (2 units)
- Remote Control (2 units)
- Mounting Screws and Wall Plugs
- User Manual (this document)

If any items are missing or damaged, please contact customer support.

4. PRODUCT FEATURES

- **Remote Control Operation:** Easily switch between modes, adjust brightness, and set detection distance using the included remote control.
- **Super Bright & Energy Efficient:** 25W LED produces up to 2100 lumens, saving over 85% energy compared to traditional incandescent bulbs.
- **IP66 Waterproof & Durable:** Advanced ultrasonic die-casting technology ensures complete sealing against water and dust. Features a shock-resistant, drop-resistant, and scratch-resistant nano-material front frame.
- **Enhanced Safety Cable:** The cable's cross-sectional area is 1mm², exceeding the European standard of 0.75mm² for increased safety.
- **Adjustable Design:** The floodlight is 180° adjustable, and the motion sensor can be adjusted 360° horizontally and 180° vertically for optimal positioning.
- **Multiple Operating Modes:** Choose between Always-On mode, 24-hour detection mode, and Night detection mode.
- **Timer Function:** Set the light to automatically turn off after 1, 2, or 3 hours.
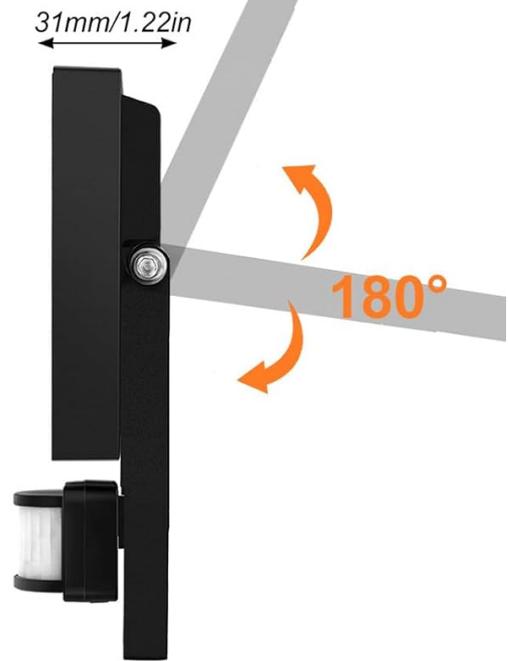
IP66 Waterproof

Ideal for outdoor use

Heat Resistance

Frost Resistance

IP66 Waterproof and Weather Resistant
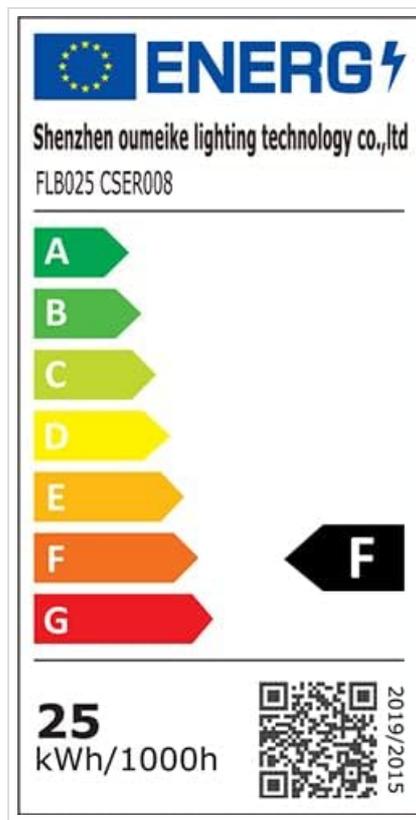
Mehrere Installationsmethoden

141mm/5.55in

175mm/6.88in

31mm/1.22in

180°

Wandmontage

Deckenmontage

Upgraded Design for Durability and Performance

5. SPECIFICATIONS

Attribute	Value
Brand	MEIKEE
Model Number	FLB025
Power Consumption	25 Watts
Luminous Flux	2100 lumens
Color Temperature	6500 Kelvin (Cool White)
Ingress Protection (IP) Rating	IP66

Voltage	230 Volts
Material	Glass (front frame: nano-material)
Product Dimensions (L x W x H)	11 x 17 x 14 cm
Item Weight	960 g
Power Source	Corded Electric
Special Features	Timer function, Remote control, Adjustable brightness, Multiple detection modes, Adjustable detection distance
Installation Type	Floor mount, Ceiling mount, Wall mount

For detailed energy efficiency information, please refer to the energy label and product data sheet:

Energy Label (Class F)

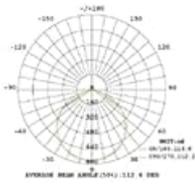|				
Kegel (90°) bezieht			der einstellbaren ähnlichen Farbtemperaturen, gerundet auf die nächstliegenden 100 K	
Leistungsaufnahme im Ein-Zustand (P_{on}) in W		25,0	Leistungsaufnahme im Bereitschaftszustand (P_{sb}) in W, auf die zweite Dezimalstelle gerundet	0,00

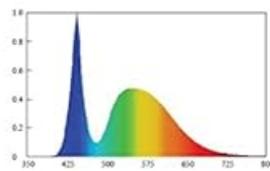|				
Leistungsaufnahme im vernetzten Bereitschaftsbetrieb (P_{net}) für CLS in W, auf die zweite Dezimalstelle gerundet		-	Farbwiedergabeindex auf die nächstliegende ganze Zahl gerundet, oder Spanne der einstellbaren CRI-Werte	72
äußere Abmessungen, ggf. ohne separates Betriebsgerät, Beleuchtungsste und Nicht-Beleuchtungste (Millimeter)	Höhe	80	Spektrale Strahlungsverteilung im Bereich 250 nm bis 800 nm bei Volllast	Siehe Bild auf letzter Seite
	Breite	60		
	Tiefe	30		
Angabe zu einer gleichwertigen Leistungsaufnahme[a]		-	Falls ja, gleichwertige Leistungsaufnahme (W)	-
			Farbwertanteile (x und y)	0,313 0,337
Parameter für Lichtquellen mit gebündeltem Licht:				
Spitzenlichtstärke (cd)		800	Halbwertswinkel in Grad oder Spanne der einstellbaren Halbwertswinkel	120
Parameter für LED- und OLED-Lichtquellen:				
Wert des R9-Farbwiedergabeindex		0	Lebensdauerfaktor	1,00
Lichtstromerhalt		0,98		
Parameter für LED- und OLED-Netzspannungslichtquellen:				
Verschiebungsfaktor (cos φ1)		0,80	Farbkonsistenz in MacAdam-Ellipsen	6
Angabe, dass eine LED-Lichtquelle eine Leuchtstofflichtquelle ohne eingebautes Vorschaltgerät mit einer bestimmten Leistungsaufnahme ersetzt.		-[b]	Falls ja, Angabe zur ersetzten Leistungsaufnahme (W)	-
Flimmer-Messgröße (Pst LM)		1,0	Messgröße für Stroboskop-Effekte (SVM)	0,0

(a) "-": nicht zutreffend;
(b) "-": nicht zutreffend;

Luminous Intensity Distribution Diagram

Spectral power distribution

Product Data Sheet (View EPREL)

6. INSTALLATION GUIDE

The MEIKEE LED Floodlight is designed for easy installation with its adjustable bracket. It can be securely fixed to a wall, ceiling, or floor.

6.1. Pre-Installation

- Ensure the power supply is turned off at the main circuit breaker before beginning installation.
- Choose a suitable mounting location that provides the desired illumination area and motion detection coverage.
- Recommended installation height: 3.5 - 5 meters.
- Optimal lighting area: > 5x5 square meters.

6.2. Mounting the Floodlight

1. Mark the drilling points on the chosen surface using the floodlight's bracket as a template.
2. Drill holes at the marked points. Insert wall plugs if installing on masonry or concrete.
3. Secure the floodlight's bracket to the surface using the provided screws. The widened and thickened steel bracket ensures a solid fixation.
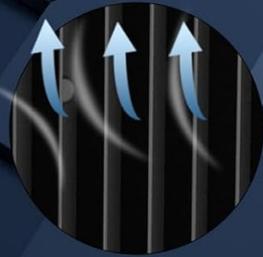
6.3. Wiring

- Connect the floodlight's power cable to your main power supply. Ensure correct polarity: Brown (Live), Blue (Neutral), Yellow/Green (Earth).
- Use appropriate waterproof connectors and junction boxes for outdoor installations to maintain the IP66 rating.
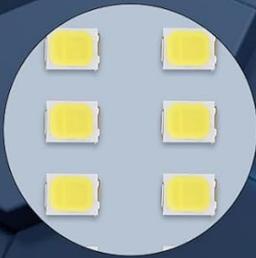
6.4. Adjusting Light and Sensor Angles

- The floodlight head can be adjusted up to 180° to direct the light beam as needed.
- The motion sensor can be rotated 360° horizontally and 180° vertically to optimize its detection area.
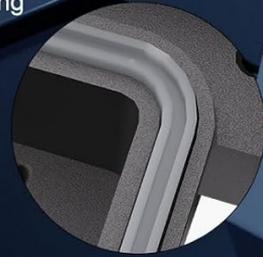
Upgraded LED Floodlight

Perfekte Wärmeableitung

Superhelle Kaltes Weiß Lampenperlen

Schlagfeste Nano-Abdeckung

Die wasserdichte Versiegelung schützt die Innenteile perfekt

Kabellänge 1M

Dimensions and Mounting Methods

Beam Angle and Detection Range

Motion Sensor Adjustment

7. OPERATING INSTRUCTIONS

The MEIKEE LED Floodlight can be operated using the included remote control.

7.1. Remote Control Functions

- **ON/OFF:** Turns the light on or off.

- **Mode Selection:**

  - **Constant Light Mode:** The light remains on continuously, regardless of motion detection.

  - **Night Induction Mode:** The light activates only at night when motion is detected.

  - **24-Hour Induction Mode:** The light activates day and night when motion is detected.

- **Brightness Adjustment:** Increase or decrease the light intensity (up to 2100 lumens).

- **Detection Distance Adjustment:** Select detection ranges of 6 meters (19.68 ft), 9.6 meters (31.49 ft), or 12 meters (39.37 ft).

- **Lighting Duration Adjustment:** Set the duration the light stays on after motion detection to 45 seconds, 90 seconds, 120 seconds, 5 minutes, or 10 minutes.

- **Timer Function:** Set the light to automatically turn off after 1, 2, or 3 hours.

Operating Modes

Brightness Adjustment

Lighting Duration Adjustment

Timer Function

8. MAINTENANCE

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

- **Cleaning:** Periodically clean the surface of the floodlight and motion sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **Inspection:** Regularly check the power cable for any signs of damage or wear. Ensure all mounting screws are tight and the floodlight is securely in place.
- **Sensor Area:** Keep the motion sensor lens clear of obstructions (e.g., dirt, spiderwebs) to ensure accurate detection.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution

Light does not turn on.	No power supply; Faulty wiring; Sensor malfunction.	Check power connection and circuit breaker. Verify wiring connections. Test in 'Constant Light Mode' to bypass sensor.
Light stays on continuously.	Set to 'Constant Light Mode'; Sensor continuously detecting motion; Sensor malfunction.	Change mode using remote. Check for constant motion in detection area. Adjust sensor angle or sensitivity.
Light does not detect motion.	Incorrect sensor angle/position; Obstruction in detection path; Detection distance set too low; Sensor malfunction.	Adjust sensor angle and ensure clear line of sight. Increase detection distance setting. Clean sensor lens.
Remote control is unresponsive or slow.	Low battery in remote; Obstruction between remote and sensor; Remote out of range.	Replace remote control battery (1 non-standard battery required, not included). Ensure clear line of sight to sensor. Operate within 8 meters range.
Light flickers or dims.	Unstable power supply; Product defect.	Check power supply stability. If problem persists, contact customer support.

If the issue persists after attempting these solutions, please contact MEIKEE customer support.
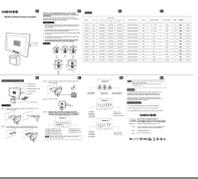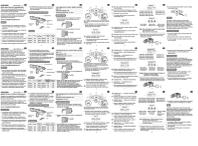
10. WARRANTY AND SUPPORT

MEIKEE is committed to providing high-quality products. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims.
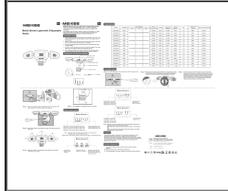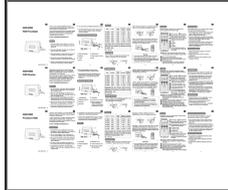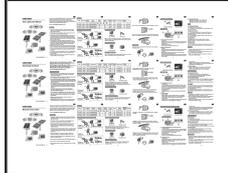For technical support, troubleshooting assistance, or inquiries regarding spare parts availability, please visit the official MEIKEE brand store or contact their customer service directly.
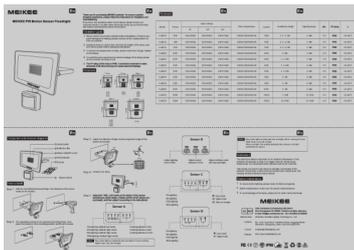MEIKEE Brand Store: https://www.amazon.com.be/stores/MEIKEE/page/109529DB-97B4-4B34-A12E-E02624FC7436

Related Documents - FLB025

	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 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 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 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.

Documents - MEIKEE – FLB025

[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.
lang:en score:31 filesize: 704.33 K page_count: 1 document date: 2020-09-28

[pdf] Installation Guide Guide Diagram
B04 FLB MK D cdr OMK 2017 6005390b8d6ec meikeelighting Uploads Product videourl |||
64*120mm B04-FLB-MK 2020.7.17 2021-1-11 2020-D En En PIR Motion Sensor Floodlight If you ha ... Reflective film 3 Glass mask/PC cover 4 Metal bracket 5 Screws 180 180 180 FLB010 FLB015 FLB020 **FLB025** FLB030 10W 15W 20W 25W 30W 1000 1500 2000 2500 3000 2.5-3.5M 2.5-3.5M 3-5M 3.5-5M 3.5-5M ...
lang:en score:24 filesize: 1.98 M page_count: 3 document date: 2021-01-11