MEIKEE TSFA0042

MEIKEE 42W Outdoor LED Motion Sensor Floodlight User Manual

Model: TSFA0042

1. INTRODUCTION

Thank you for choosing the MEIKEE 42W Outdoor LED Motion Sensor Floodlight. This product is designed to provide efficient and reliable illumination with advanced motion sensing capabilities and remote control convenience. Its robust IP66 waterproof design ensures durability in various outdoor conditions, making it ideal for security and general lighting in areas such as parking lots, entrances, and warehouses.

Overview of the MEIKEE 42W LED Motion Sensor Light, highlighting its remote control, high brightness, IP66 waterproof rating, and 2-year warranty.

2. SAFETY INFORMATION

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

- Ensure the power supply is disconnected before installation or maintenance.

- Installation should be performed by a qualified electrician if you are unsure about electrical wiring.
- Do not install in locations where people or vehicles pass frequently, as this may overload or damage the light's performance, causing it to stay on or flicker.
- Avoid looking directly into the LED light when it is on, as it may cause eye strain.
- Keep the product away from flammable materials.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged:

- MEIKEE 42W LED Motion Sensor Floodlight
- Remote Control
- Mounting Screws and Wall Plugs
- User Manual

Diagram showing the waterproof filter, product dimensions, and included accessories like the remote control, screws, and user manual.

4. PRODUCT OVERVIEW

The MEIKEE 42W LED Motion Sensor Floodlight features three adjustable light heads and a high-sensitivity PIR motion sensor. The light heads and sensor can be independently adjusted to cover your desired area.

Key Features:

- **Ultra-High Brightness:** 4200 lumens with 6500K daylight white LED chips.
- **Wide Illumination:** Three-sided illumination with an approximate 180° beam angle.
- **Remote Control:** Easy adjustment of settings from a distance.
- **Two Lighting Modes:** 24H Sensor Mode and Night Sensor Mode.

- **Constant Lighting Function:** Selectable 1H, 2H, or 3H constant illumination.
- **Adjustable Sensor:** 360° horizontal and 180° vertical adjustment for optimal detection.
- **IP66 Waterproof:** Designed to withstand harsh weather conditions.

Diagram illustrating the 4200 lumens brightness, 180° detection range, 270° illumination angle, recommended installation height (4-6m), and illumination area (6x6m to 8x8m).
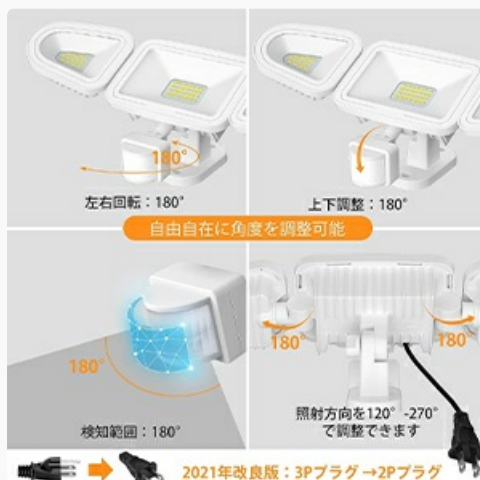

Illustration of the adjustable light heads and sensor, showing 180° rotation for both left/right and up/down adjustments.

5. SETUP AND INSTALLATION

Follow these steps to install your MEIKEE motion sensor light:

1. **Prepare the Mounting Surface:** Choose a suitable location for installation, ensuring it is a stable surface and the power cable can reach an outlet. The recommended installation height is 4-6 meters for optimal detection.
2. **Mark Drilling Points:** Use the mounting bracket as a template to mark the drilling points on the wall.
3. **Drill Holes:** Drill holes at the marked points and insert the wall plugs.
4. **Mount the Bracket:** Secure the mounting bracket to the wall using the provided screws.

5. **Attach the Light Fixture:** Attach the light fixture to the mounting bracket.

6. **Adjust Light Heads and Sensor:** Adjust the three light heads and the motion sensor to your desired angles. The light heads can be rotated 180° horizontally and 180° vertically. The sensor can also be adjusted 360° horizontally and 180° vertically.

7. **Connect Power:** Plug the 2P power cable into a 90-120VAC power outlet.

Step-by-step guide for installing the MEIKEE motion sensor light.

6. OPERATING INSTRUCTIONS

The MEIKEE sensor light can be operated using the included remote control. Ensure the remote control has working batteries.

Remote Control Functions:

Detailed layout of the remote control buttons.

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

- **24H Sensor Mode:** Activates motion sensing throughout the day and night.
- **Night Sensor Mode:** Activates motion sensing only when it is dark.
- **Illumination Duration Settings:** Select from 45s, 90s, 120s, 5min, or 10min for how long the light stays on after motion is detected.
- **Constant Lighting Function (1H, 2H, 3H):** Pressing the 1H, 2H, or 3H button will activate constant lighting for 1, 2, or 3 hours respectively. After the set time, the light will revert to 45-second Night Sensor Mode. The light will flash twice to confirm mode switching.
- **Detection Distance Adjustment:** Buttons to adjust the motion sensor's detection range.
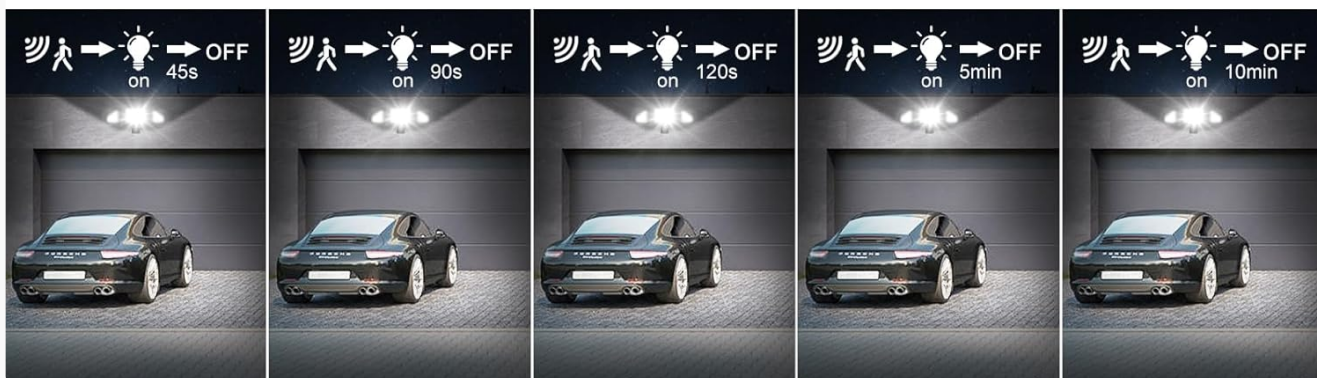
Lighting Modes Explained:

- **24H Sensor Mode:** The light will turn on when motion is detected, regardless of ambient light conditions.
- **Night Sensor Mode:** The light will only turn on when motion is detected and the ambient light is low (i.e., at night or in dark conditions).

MEIKEE 42W LED Motion Sensor Light with remote control and key features.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your MEIKEE sensor light.

- **Cleaning:** Periodically clean the light's surface and sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly check the power cable and connections for any signs of damage. Ensure mounting screws are tight.
- **Weather Resistance:** The IP66 rating protects against dust and strong jets of water. While designed for outdoor use, installing it under an eave or in a sheltered location can further extend its lifespan.

The MEIKEE sensor light demonstrating IP66 waterproof and weather-resistant capabilities in rain and snow.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Sensor not detecting motion. Incorrect mode selected.	Check power connection. Adjust sensor angle and sensitivity. Ensure no obstructions. Verify 24H or Night Sensor Mode is active.
Light stays on or flickers.	Frequent motion in detection area. Sensor sensitivity too high. Electrical interference.	Relocate the light or adjust sensor angle to avoid high-traffic areas. Reduce sensor sensitivity using the remote control. Check for nearby electrical devices causing interference.
Remote control not working.	Dead batteries. Obstruction between remote and light.	Replace remote control batteries. Ensure a clear line of sight to the light's sensor.
Detection range is too short.	Sensor angle incorrect. Environmental factors (temperature).	Adjust the sensor head for optimal coverage. Ensure it's not blocked. Note that extreme temperatures can affect sensor performance.

9. SPECIFICATIONS

Feature	Specification
Brand	MEIKEE
Model Number	TSFA0042
Power Consumption	42W
Brightness	4200 Lumens
Color Temperature	6500K (Daylight White)
LED Light Source	SMD
CRI	>80
Beam Angle	180°
Detection Angle	180°
Max. Detection Distance	12 meters
Optimal Illumination Range	6m x 8m
Input Voltage	90-120VAC
Cable Length	1.5m
Waterproof Rating	IP66
Product Dimensions	17 x 13 x 13.5 cm

Feature	Specification
Product Weight	840 g
Certifications	PSE Certified

10. WARRANTY AND SUPPORT

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

For warranty claims, technical support, or any inquiries regarding your product, please contact MEIKEE customer service through the retailer where you purchased the product or visit the official MEIKEE website for contact information.

Please retain your proof of purchase for warranty validation.