

Meloght MESLB75DW

Meloght 75W Motion Sensor Outdoor Flood Light (Model MESLB75DW) Instruction Manual

1. INTRODUCTION

Thank you for choosing the Meloght 75W Motion Sensor Outdoor Flood Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new flood light. Please read these instructions thoroughly before use and retain them for future reference.

Product Overview

The Meloght 75W Motion Sensor Outdoor Flood Light is designed to provide bright, reliable illumination for outdoor areas such as garages, yards, and patios. Featuring a plug-in design for easy installation, it incorporates advanced motion sensing and dusk-to-dawn capabilities to enhance security and energy efficiency.

Key Features

- **Enhanced Detection:** Sensitive motion sensor with a detection range of 20-70 feet.
- **Multiple Operating Modes:** Includes Dim Mode, Motion Sensor Mode, and Dusk to Dawn (D2D) Mode.
- **Instant Plug and Play:** Portable plug-in design (100-120V standard output) for simple installation without complex wiring.
- **High Brightness:** 75W, 7500LM output, illuminating up to 1150 sq. ft.
- **Weatherproof Reliability:** IP65 waterproof rating for outdoor use in various weather conditions. (Note: The plug is not waterproof and requires protection).
- **Adjustable Design:** Multi-directional light heads and sensor for optimal coverage.

2. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product:

- Always disconnect power before installing, servicing, or cleaning the fixture.
- Ensure the power source voltage matches the product's requirements (100-120V).
- Do not look directly into the LED light source when illuminated, as it may cause eye strain or damage.
- The product is rated IP65 waterproof for the fixture itself. However, the plug is not waterproof. Ensure

the plug connection is protected from direct water exposure when installed outdoors.

- Mount the fixture securely to a stable surface according to the installation instructions.
- Do not attempt to modify or disassemble the product. Contact qualified personnel for repairs.
- Keep packaging materials away from children.

3. PACKAGE CONTENTS

Verify that all components are present before installation:

- Meloght 75W Motion Sensor Outdoor Flood Light (Model MESLB75DW) x 1
- Mounting Hardware (screws, anchors) x 1 set
- Instruction Manual x 1



Image 3.1: Meloght 75W Motion Sensor Outdoor Flood Light. This image displays the complete flood light unit with its three adjustable LED panels, central motion sensor, and integrated power cord with a standard plug.

4. SPECIFICATIONS

Feature	Specification
Brand	Meloght
Model Name	MESLB75DW
Wattage	75 Watts

Feature	Specification
Luminous Flux	7500 Lumens
Illumination Area	Up to 1150 sq. ft.
Power Source	Corded Electric (100-120V)
Material	Aluminum
Color	Black
Product Dimensions	10.7"L x 5.8"W x 4.7"H
Item Weight	2.31 pounds
Water Resistance Level	IP65 (fixture only, plug not waterproof)
Motion Sensor Detection Range	20-70 feet
Motion Sensor Detection Angle	180 degrees
Light Color	Daylight White
Installation Type	Wall Mount, Soffit Mount

7500LM Super Bright

Your Dark Guardian



Image 4.1: Product Dimensions and Adjustable Components. This image illustrates the overall dimensions of the flood light and highlights the 350-degree adjustable light heads, 110-degree adjustable motion sensor, and 90-degree adjustable light panels.

5. SETUP AND INSTALLATION

The Meloght flood light features a plug-in design for straightforward installation. Follow these steps for proper setup:

Mounting Location Selection

- Choose a suitable outdoor location for mounting, such as a wall or soffit, ensuring it provides the desired illumination coverage.
- Ensure the location is within reach of a standard 100-120V outdoor power outlet that can be protected from weather.
- For optimal motion detection, mount the light where the sensor has an unobstructed view of the area to be monitored. Avoid aiming the sensor at heat sources or reflective surfaces that could cause false triggers.

Installation Steps

1. **Prepare the Mounting Surface:** Mark the desired mounting points for the bracket on the wall or soffit.
2. **Install the Mounting Bracket:** Use the provided screws and anchors to securely attach the mounting bracket to the surface.
3. **Attach the Light Fixture:** Align the flood light with the installed bracket and secure it firmly.
4. **Adjust Light Heads and Sensor:** Loosen the adjustment screws on the light heads and motion sensor to position them for optimal coverage and detection. Tighten the screws once adjusted.
5. **Connect to Power:** Plug the power cord into a protected 100-120V outdoor electrical outlet. Ensure the outlet is weatherproof or the plug connection is otherwise shielded from moisture.

Easy Install with Plug

No limits, No worries



Image 5.1: Easy Plug-in Installation. This image demonstrates the simplicity of installing the flood light by mounting it to a wall or post and plugging it into an outdoor electrical outlet.

6. OPERATING INSTRUCTIONS

The Meloght flood light offers multiple operating modes and adjustable settings. The control dials are located on the underside of the motion sensor unit.

Control Dials

- **TIME Dial:** Adjusts how long the light stays on after motion is detected (typically 10 seconds to 10

minutes).

- **LUX/D2D Dial:** Sets the ambient light level at which the sensor becomes active. Turn towards the sun icon for daytime operation (Test Mode) or towards the moon icon for night-only operation (Dusk to Dawn).
- **SENS (Sensitivity) Dial:** Adjusts the motion sensor's detection range and sensitivity.

Operating Modes

The flood light supports the following modes:

1. **Motion Sensor Mode:** The light activates at 100% brightness when motion is detected in low light conditions and turns off after a set duration (adjustable via TIME dial) once motion ceases.



Image 6.1: Motion Sensor Mode. This image illustrates the flood light activating to 100% brightness when people are detected, with control dials for TIME, LUX, and SENS.

2. **Dim Mode:** In low light conditions, the light stays on continuously at a low brightness level (10-30%). When motion is detected, it brightens to 100% for a set duration, then returns to the dim state after motion ceases.



Image 6.2: Dim Mode. This image shows the flood light operating at a low brightness (10-30%) and increasing to 100% upon motion detection, with control dials for TIME, LUX, and SENS.

3. **Dusk to Dawn (D2D) Mode:** The flood light automatically turns on at dusk and off at dawn, providing continuous illumination throughout the night. Motion sensing is typically overridden or integrated differently depending on the specific D2D setting.



Image 6.3: Dusk to Dawn Mode. This image depicts the flood light automatically turning on at dusk and off at dawn, with control dials for TIME, LUX, and SENS.

4. **Test Mode:** Used during installation to verify motion sensor functionality. Set the LUX dial to the 'sun' icon and TIME to minimum. The light will activate with motion regardless of ambient light.



Image 6.4: Test Mode. This image shows a person walking past the flood light, which is illuminated, indicating the motion sensor is being tested. The control dials for TIME, LUX, and SENS are visible.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your flood light.

- **Cleaning:** Periodically clean the light fixture and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the power is disconnected before cleaning.
- **Inspection:** Regularly inspect the power cord and plug for any signs of damage. Check mounting screws for tightness.
- **Weather Protection:** While the fixture is IP65 rated, ensure the plug connection remains protected from direct rain or snow. Consider using a weatherproof outlet cover.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on at night.	No power; LUX setting too high; Sensor obstructed.	Check power connection. Adjust LUX dial towards 'moon' icon. Clear any obstructions from the sensor.
Light stays on continuously.	Continuous motion detected; LUX setting too low (towards 'sun'); Wiring issue.	Ensure no constant motion in detection area. Adjust LUX dial towards 'moon' icon. If hardwired, check wiring.
Light flashes or cycles on/off rapidly.	Interference; Power fluctuations; Sensor malfunction.	Check for nearby heat sources or reflective surfaces. Ensure stable power supply. If problem persists, contact support.
Motion sensor range is too short/long.	SENS dial setting; Sensor angle.	Adjust the SENS dial. Reposition the motion sensor head for optimal coverage.
Light turns on during the day.	LUX setting too low (towards 'sun').	Adjust the LUX dial towards the 'moon' icon to ensure it only activates in low light.

If troubleshooting steps do not resolve the issue, please contact customer support.

9. WARRANTY AND SUPPORT

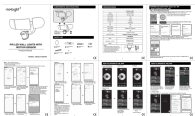
Warranty Information

The Meloght 75W Motion Sensor Outdoor Flood Light (Model MESLB75DW) comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or acts of nature.

Customer Support

For technical assistance, warranty claims, or any questions regarding your product, please contact Meloght customer support through the retailer's platform or the official Meloght website. Please have your model number (MESLB75DW) and proof of purchase ready when contacting support.

Related Documents - MESLB75DW

	<p>Meloght PIR LED Wall Lights with Motion Sensor User Manual</p> <p>Comprehensive user manual for the Meloght MESLD130DWG PIR LED Wall Light with Motion Sensor, covering components, specifications, installation, app operation, and troubleshooting.</p>
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[Meloght LED Flood Light User Manual - Specifications, App Control, Installation](#)

User manual for Meloght LED Flood Lights (MEFLA40BL, MEFLA60BL, MEFLA100BL). Features include specifications, 'Smart Life' app pairing and operation, group control, installation guidance, and FCC compliance information.