

LUTEC 4520ac07-d6df-4029-bba6-6642188898fa

LUTEC 74W 8000 Lumen Motion Sensor Outdoor Light Instruction Manual

Model: 4520ac07-d6df-4029-bba6-6642188898fa

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your LUTEC 74W 8000 Lumen Motion Sensor Outdoor Light. This LED security light features a motion sensor, night light function, and multiple lighting modes, designed for outdoor use in various weather conditions.



Image 1.1: The LUTEC 74W 8000 Lumen Motion Sensor Outdoor Light, showcasing its three adjustable light heads and integrated motion sensor with night light.

2. SAFETY INFORMATION

Please read and understand all instructions before beginning installation. Failure to follow these instructions may result in electric shock, fire, or other hazards that could cause property damage or personal injury.

- **Electrical Safety:** Always turn off power at the circuit breaker or fuse box before installing, servicing, or cleaning the fixture.
- **Grounding:** Ensure the fixture is properly grounded to avoid potential electrical shock.
- **Qualified Electrician:** If you are unsure about the installation process, consult a qualified electrician.
- **Outdoor Use:** This product is designed for outdoor use only. Ensure all connections are waterproof and sealed.
- **Mounting:** Mount the fixture securely to a stable surface according to local electrical codes.
- **Heat:** Do not touch the light fixture when it is operating or immediately after it has been turned off, as it may be hot.

3. PACKAGE CONTENTS

Verify that all components are present before installation:

- LUTEC Motion Sensor Outdoor Light (1 unit)
- Mounting Plate (1 unit)
- Wire Nuts (3 units)
- Mounting Screws (various lengths, 2 units)
- Rubber Plug (1 unit)
- Foam Pad (1 unit)
- Instruction Manual (this document)



Image 3.1: Diagram showing the included mounting hardware and a visual representation of the light's dimensions and installation.

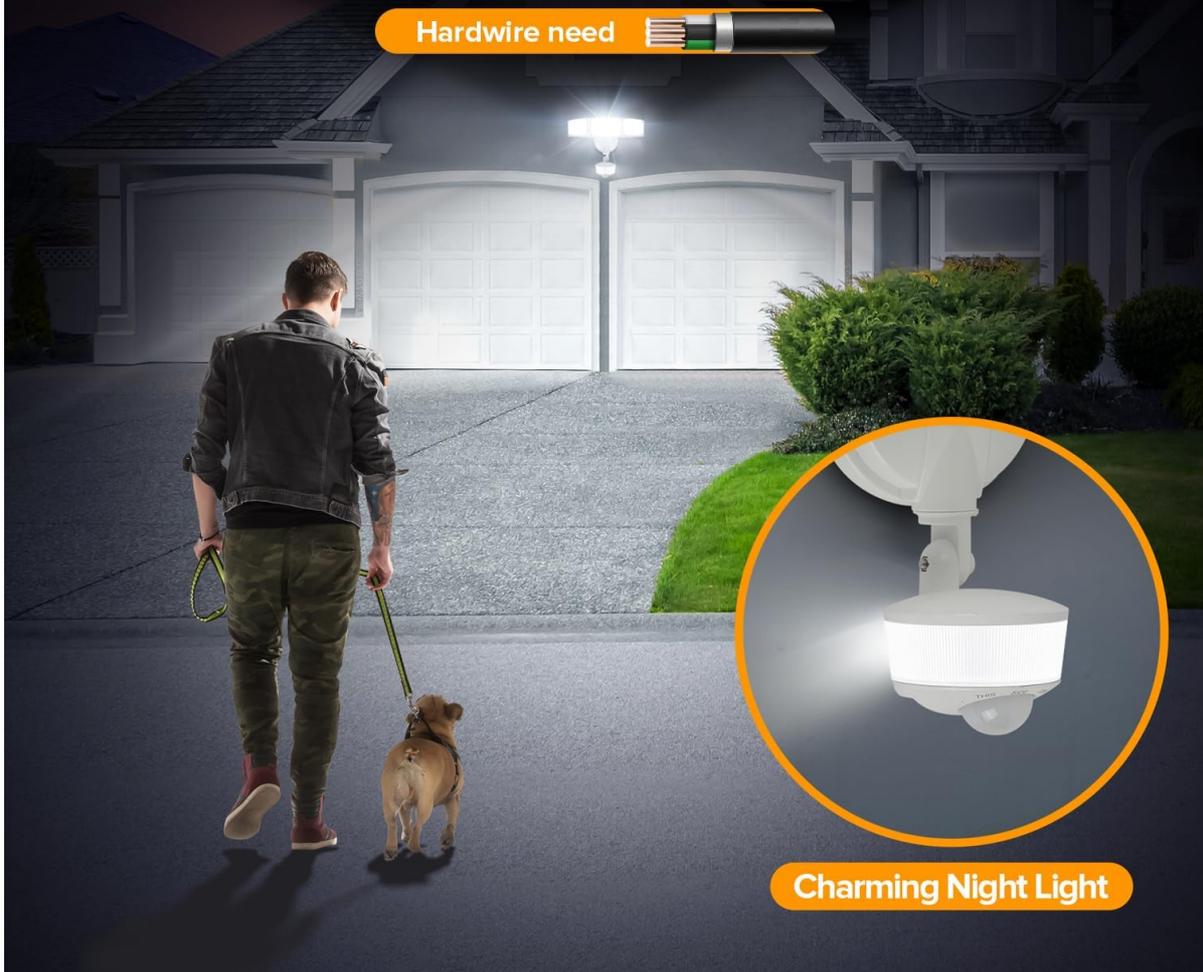
4. PRODUCT FEATURES

- **High Brightness:** 74W, 8000 Lumen output with 5000K Daylight color temperature.
- **Motion Sensor:** 180-degree detecting angle and up to 59 feet detecting distance.
- **Night Light Function:** Unique night light design with independent control, providing a subtle glow.
- **Four Lighting Modes:** Test Mode, Security Mode, Dusk to Dawn Mode, and Manual Override Mode.
- **Weather Resistant:** IP65 waterproof rating ensures proper operation in rain, snow, heat, or cold.
- **Durable Construction:** Made from aluminum, designed for longevity.

74W 8000LM SUPER BRIGHT

5000K daylight, upgraded led beads, 88% energy saving

Hardwire need



Charming Night Light

Image 4.1: The outdoor light illuminating a driveway, highlighting its 8000 lumen brightness and the integrated night light feature.

5. INSTALLATION

This flood light is designed for wall-mounted, hardwired installation. A junction box is required but not included.

5.1 Tools Required (Not Included)

- Screwdriver
- Wire Strippers
- Pliers
- Electrical Tape
- Caulking Gun and Weatherproof Sealant (recommended for outdoor sealing)

5.2 Installation Steps

1. **Turn Off Power:** Locate the circuit breaker controlling the light fixture's power supply and turn it OFF. Verify power is off using a voltage tester.
2. **Prepare Mounting Surface:** Ensure the mounting surface is clean, dry, and structurally sound.
3. **Attach Mounting Plate:** Secure the mounting plate to the junction box using the provided mounting

screws. Ensure the foam pad is placed between the mounting plate and the wall for a weather-tight seal.

4. **Wire Connections:**

- Connect the **black** wire from the fixture to the **black** (live) wire from the junction box.
- Connect the wire from the fixture to the (neutral) wire from the junction box.
- Connect the **green** or **bare copper** ground wire from the fixture to the ground wire from the junction box.

Secure all connections with wire nuts and electrical tape.

5. **Mount Fixture:** Carefully align the fixture with the mounting plate and secure it with the remaining mounting screws.
6. **Seal:** Apply weatherproof sealant around the edges of the fixture where it meets the mounting surface to prevent water intrusion.
7. **Adjust Light Heads:** Adjust the three light heads to cover the desired area.
8. **Restore Power:** Turn the power back ON at the circuit breaker.



Image 5.1: Diagram illustrating the 180-degree sensing angle and maximum 59-foot sensing range of the motion sensor, with a recommended installation height of 8.2 feet.

6. OPERATING MODES

The light features a circular switch on the sensor for selecting different modes and adjusting sensitivity/time settings. The small circular switch on the sensor controls the night light ON/OFF function independently.



Image 6.1: Close-up of the sensor dial, showing settings for Sensitivity (L, M, H) and Time (1 MIN, 3 MIN, 10 MIN), along with the Dusk to Dawn and Test mode options.

6.1 Mode Selection

- **Test Mode:** For initial setup and testing. The light will turn on for a short duration (e.g., 5-10 seconds) when motion is detected, regardless of ambient light.
- **Security Mode:** The main light turns on at 100% brightness when motion is detected in darkness and turns off after a set time (1, 3, or 10 minutes) if no further motion is detected.
- **Dusk to Dawn Mode:** The light automatically turns on at dusk and off at dawn. When motion is detected, the main light illuminates at 100% brightness, then returns to a lower brightness (e.g., 20%) after motion ceases.
- **Manual Override Mode:** Allows the light to stay on at 100% brightness for approximately 6 hours, regardless of day or night. This mode can typically be activated by quickly toggling the wall switch twice.

3 LIGHTING MODES

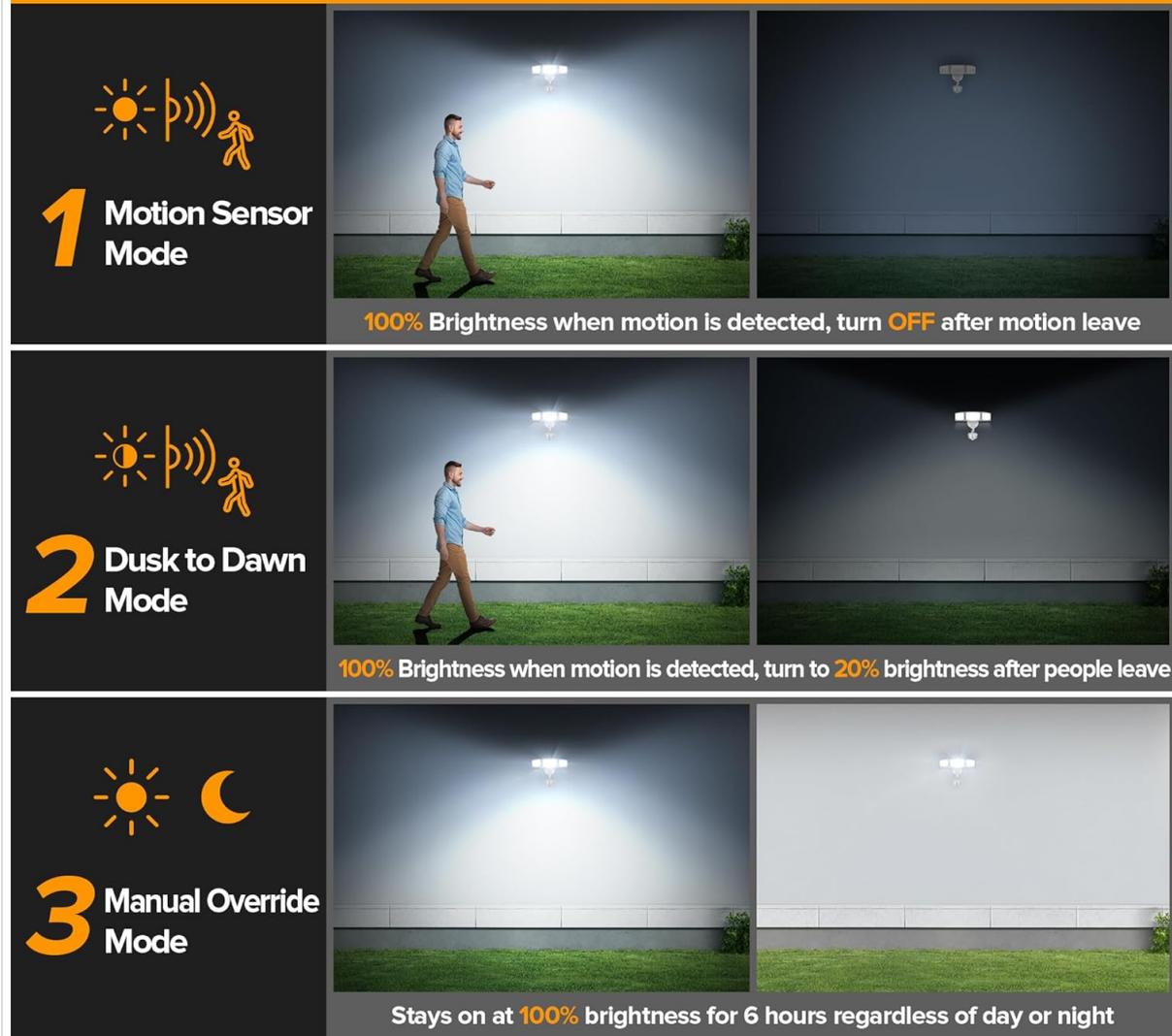


Image 6.2: Visual explanation of Motion Sensor Mode, Dusk to Dawn Mode, and Manual Override Mode, showing light behavior in different scenarios.

6.2 Sensitivity and Time Adjustment

Use the dials on the motion sensor to adjust the detection sensitivity and the duration the light stays on after motion is detected.

- **Sensitivity (DISTANCE):**
 - L (Low): 0-20 ft
 - M (Medium): 0-39 ft
 - H (High): 0-59 ft
- **Time (TIME):**
 - 1 MIN: Light stays on for 1 minute after last detected motion.
 - 3 MIN: Light stays on for 3 minutes after last detected motion.
 - 10 MIN: Light stays on for 10 minutes after last detected motion.

6.3 Night Light Control

The circular switch on the sensor allows independent control of the night light. In the ON position, the night light will activate at night and turn off during the daytime.



Image 6.3: Close-up of the circular switch on the sensor, used to turn the night light function ON or OFF, demonstrating its dusk-to-dawn operation.

7. MAINTENANCE

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

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or wear.
- **Weather Resistance:** The IP65 rating ensures protection against dust and water jets. However, avoid directing high-pressure water streams directly at the fixture.

IP65 WATERPROOF

Work well in any weather



Heat Resistant



Frost Resistant



Wind Resistant



Anti-Rust

Image 7.1: Illustration of the light's IP65 waterproof design, demonstrating its resistance to various weather conditions including rain, heat, frost, and wind.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none">No power supply.Incorrect wiring.Sensor settings incorrect.Ambient light too high (Dusk to Dawn mode).	<ul style="list-style-type: none">Check circuit breaker and wall switch.Verify wiring connections.Adjust sensor settings (e.g., switch to Test Mode).Ensure it is dark enough for the sensor to activate.
Light stays on continuously.	<ul style="list-style-type: none">Manual Override Mode activated.Constant motion detected.Sensor malfunction.	<ul style="list-style-type: none">Toggle wall switch to reset.Check for objects causing constant motion detection (e.g., swaying branches, pets).Contact customer support if problem persists.

Problem	Possible Cause	Solution
Motion sensor not detecting.	<ul style="list-style-type: none"> Sensitivity set too low. Obstruction in sensor's field of view. Sensor positioned incorrectly. 	<ul style="list-style-type: none"> Increase sensitivity setting on the sensor dial. Clear any obstructions. Adjust sensor head for optimal coverage.
Night light not working.	<ul style="list-style-type: none"> Night light switch is OFF. Ambient light too high. 	<ul style="list-style-type: none"> Ensure the circular night light switch is in the ON position. The night light only activates in low light conditions.

9. SPECIFICATIONS

Brand	LUTEC
Model Number	4520ac07-d6df-4029-bba6-6642188898fa
Wattage	74 watts
Brightness	8000 lumens
Light Color	5000K Daylight
Motion Sensor Angle	180 degrees
Motion Sensor Distance	Up to 59 feet
Water Resistance Level	IP65 Waterproof
Material	Aluminum
Power Source	Hardwired
Product Dimensions	12.99"L x 5.04"W x 10.04"H
Item Weight	2.68 pounds
Installation Type	Wall-mounted

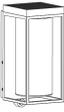
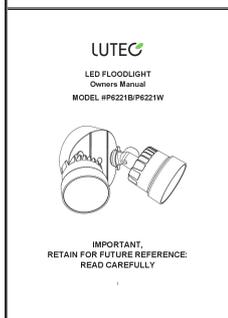
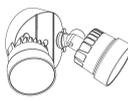
10. WARRANTY AND SUPPORT

LUTEC provides high-quality after-sales service. If you encounter any issues with your product, please contact customer support.

Customer Service: We provide 7*24h after-sales service. Please refer to your product packaging or the official LUTEC website for specific contact information.

Warranty Information: Specific warranty details are typically included with your purchase documentation. Please retain your proof of purchase for warranty claims.

Related Documents - 4520ac07-d6df-4029-bba6-6642188898fa

 <p>LUTEC Wet Location Motion Sensor Light Model #7632801053/7632801012</p> <p>IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY</p>	<p>LUTEC #7632801053/7632801012 Wet Location Motion Sensor Light Installation and Operation Manual</p> <p>This manual provides comprehensive instructions for the LUTEC #7632801053/7632801012 outdoor wet location motion sensor light, covering installation, operation modes, safety warnings, and service information.</p>
 <p>LUTEC SOLAR WALL LANTERN Owners Manual MODEL #6988804012</p>  <p>IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY</p>	<p>LUTEC 6988804012 Solar Wall Lantern: Owner's Manual & Installation Guide</p> <p>Comprehensive owner's manual and installation guide for the LUTEC 6988804012 Solar Wall Lantern. Learn about package contents, safety, installation, operation modes, battery replacement, maintenance, and troubleshooting.</p>
 <p>LUTEC Wet Location Flood Light Model #7621101053</p> <p>IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY</p>	<p>LUTEC 7621101053 Wet Location Flood Light Installation and Operation Manual</p> <p>This manual provides instructions for the installation, operation, and maintenance of the LUTEC 7621101053 Wet Location Flood Light. It covers safety precautions, mode settings, and troubleshooting.</p>
 <p>LUTEC Wet Location Light Fixture Model #7632802053/7632802012</p> <p>IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY</p>	<p>LUTEC 7632802053/7632802012 Wet Location Installation Guide</p> <p>This document provides installation instructions for the LUTEC 7632802053/7632802012 wet location light fixture. It includes safety warnings and step-by-step assembly guidance.</p>
 <p>LUTEC LED FLOODLIGHT Owners Manual MODEL #P6221B/P6221W</p>  <p>IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY</p>	<p>LUTEC P6221B/P6221W LED Floodlight Owners Manual and Installation Guide</p> <p>Comprehensive owners manual for LUTEC P6221B and P6221W LED Floodlights. Includes safety warnings, installation steps, troubleshooting, and 3-year limited warranty information.</p>
 <p>LUTEC Doble</p>  <p>IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY</p>	<p>LUTEC Doble User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the LUTEC Doble lighting fixture, covering technical data, safety instructions, first use, function, and battery replacement in multiple languages.</p>

