

LUTEC B0DJP7DTKL

LUTEC Security Lights User Manual

MODELS: 2-HEAD & 4-HEAD MOTION SENSOR OUTDOOR FLOOD LIGHTS (B0DJP7DTKL)

1. INTRODUCTION

Thank you for choosing LUTEC Security Lights. This manual provides essential information for the safe installation, operation, and maintenance of your new 2-head and 4-head motion sensor outdoor flood lights. Please read this manual thoroughly before installation and keep it for future reference.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing and operating electrical products to reduce the risk of fire, electric shock, and personal injury.

- Ensure power is turned OFF at the circuit breaker or fuse box before installation or servicing.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Do not connect to a dimmer switch.
- Do not install near flammable materials or in explosive atmospheres.
- Wear safety glasses and gloves during installation.
- Ensure the fixture is securely mounted to a sturdy surface.
- Do not look directly into the LED light source when the fixture is illuminated.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- LUTEC Security Light Fixture (2-Head or 4-Head)
- Mounting Hardware (screws, wire nuts, gasket)
- Instruction Manual

4. PRODUCT OVERVIEW & FEATURES

The LUTEC Security Lights are designed for outdoor use, providing bright, motion-activated illumination for enhanced security and convenience. They feature adjustable light heads and a sensitive motion sensor.



Upgraded 4 Heads Flood Light

9000
Lumen



VS



2500
Lumen

180°
Detection
Angle



VS



120°
Detection

4
Illuminated
Surfaces



VS



1
Illuminated
Surfaces

4
Heads



VS



2
Heads

2370 sq.ft
Light Range



VS



1150 sq.ft
Light Range

Image: A visual comparison highlighting the differences between the 4-head and 2-head flood lights, including lumen output, detection angle, illuminated surfaces, number of heads, and light range.

- **Super Bright Illumination:** The 4-head model delivers 9000 lumens (80W) and the 2-head model delivers 3500 lumens (38W) of 5000K daylight, providing extensive coverage.
- **Adjustable Light Heads:** Allows for precise aiming of light to desired areas.
- **High-Sensitive Motion Sensor:** Detects motion up to 69 feet (4-head) or 59 feet (2-head) with a 180° detection angle.
- **Multiple Lighting Modes:** Offers versatile operation for various scenarios.
- **Durable & Weatherproof:** IP65 rated aluminum housing ensures long-lasting performance in outdoor conditions.

5. SETUP & INSTALLATION

Follow these steps for proper installation of your security light:

1. **Turn Off Power:** Before starting, ensure the power to the junction box is turned off at the circuit breaker.
2. **Prepare Mounting Surface:** The ideal installation height for the motion sensor is approximately 8.2 feet (2.5 meters) above the ground to ensure optimal detection range.



Image: Diagram illustrating the recommended installation height of 8.2 ft for the motion sensor, showing a 180° detection angle and a range of up to 69 ft.

3. **Mount the Fixture:** Attach the mounting bracket to the junction box. Connect the fixture wires (black to black, white to white, ground to ground) using wire nuts. Secure the fixture to the mounting bracket.
4. **Seal the Fixture:** Apply silicone sealant around the mounting plate to prevent water intrusion, especially on rough or uneven surfaces.
5. **Adjust Light Heads:** Loosen the screws on the light heads to adjust their angle and direction. Tighten the screws once positioned. The 2-head model allows 360° rotation and 180° tilt for each head.

LED SECURITY LIGHT



Image: Illustration of the 2-head LED security light showing its adjustable heads with 360° rotation and 180° tilt capabilities, along with power (38W), color temperature (5000K), and lumen output (3500 Lumen).

6. **Restore Power:** Once installation is complete, turn the power back on at the circuit breaker.

6. OPERATING INSTRUCTIONS

Your LUTEC security light features a motion sensor with adjustable settings and multiple lighting modes.

Motion Sensor Adjustment Dials

The motion sensor has two adjustable dials, typically located on the underside of the sensor:

CHOOSE YOUR OWN MODES



Sensitivity

L= 0-20 ft.

M= 20-39 ft.

H= 39-59 ft.

Time

1 MIN

3 MIN

10 MIN

This light also has an **Override Mode**: stays on at 100% brightness for 6 hours.

Image: Close-up of the motion sensor with dials labeled 'DISTANCE' (Sensitivity) and 'TIME'. Sensitivity settings are L (0-20 ft), M (20-39 ft), H (39-59 ft). Time settings are 1 MIN, 3 MIN, 10 MIN.

- **DISTANCE (Sensitivity):** Adjusts the detection range of the motion sensor.
 - **L (Low):** 0-20 ft (0-6 m)
 - **M (Medium):** 20-39 ft (6-12 m)
 - **H (High):** 39-59 ft (12-18 m) - *Note: 4-head model can detect up to 69 ft.*
- **TIME:** Sets how long the light stays on after motion is detected and stops.
 - **1 MIN:** Light stays on for 1 minute.
 - **3 MIN:** Light stays on for 3 minutes.
 - **10 MIN:** Light stays on for 10 minutes.

Lighting Modes

The outdoor floodlight features four versatile lighting modes, selectable via a switch or by specific power cycles:

3 Lighting Modes

Motion Sensor Mode

100% Brightness when motion is detected, turn OFF after motion leave



Dusk to Dawn Mode

Auto turns on at dusk at 20% Brightness and auto turn off at dawn.

Turn to 100% Brightness if motion is detected at night



Manual Override Mode

Stays on at 100% brightness for 6 hours regardless of day or night



Image: Visual representation of the three primary lighting modes: Motion Sensor Mode (100% brightness on motion), Dusk to Dawn Mode (20% brightness at dusk, 100% on motion), and Manual Override Mode (100% brightness for 6 hours).

- ① **Motion Sensor Mode:** The light activates at 100% brightness when motion is detected during nighttime. It turns OFF after motion ceases and the set time duration expires.
- ② **Dusk to Dawn Mode (Low Brightness + Motion):** The light turns on at 20% brightness at dusk and stays on until dawn. If motion is detected during the night, it will switch to 100% brightness, then return to 20% after motion ceases and the set time duration expires.

DUSK TO DAWN MODE

Turns on at night and stays on at **low brightness**, then turns to full brightness if motion is detected.



AUTO OFF AT DAWN



AUTO ON AT DUSK

Image: Illustration of the Dusk to Dawn mode, showing the light automatically turning on at low brightness at dusk and turning off at dawn, with the ability to switch to full brightness upon motion detection.

- ③ **Manual Override Mode:** The light stays on at 100% brightness for 6 hours, regardless of day or night. This mode is useful for continuous illumination when needed.
- ④ **Test Mode:** Used for testing the motion sensor's functionality and coverage area during installation. In this mode, the light will turn on for a short period (e.g., 5-10 seconds) each time motion is detected, regardless of ambient light.

7. MAINTENANCE

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

- **Cleaning:** Periodically clean the light fixture and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Inspection:** Regularly check for any loose wiring, damaged components, or signs of wear. Address any issues promptly.
- **No User-Serviceable Parts:** The LED light source is integrated and not replaceable. Do not attempt to open the light heads.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on at night.	1. Power is off. 2. Sensor is dirty or obstructed. 3. Incorrect mode selected. 4. Ambient light is too high.	1. Check circuit breaker. 2. Clean sensor lens; remove obstructions. 3. Ensure correct lighting mode is selected. 4. Relocate light or adjust sensor sensitivity.
Light stays on constantly.	1. Manual Override Mode is active. 2. Continuous motion detected. 3. Sensor sensitivity too high.	1. Cycle power to reset mode. 2. Check for constant movement in detection zone. 3. Reduce sensor sensitivity (DISTANCE dial).
Light flickers or cycles on/off rapidly.	1. Loose wiring. 2. Power fluctuations. 3. Sensor interference.	1. Check all wire connections (power off first). 2. Consult an electrician. 3. Ensure no heat sources or reflective surfaces are interfering with the sensor.
Motion sensor range is too short/long.	1. Incorrect sensitivity setting. 2. Obstructions. 3. Installation height.	1. Adjust DISTANCE dial. 2. Clear obstructions. 3. Ensure optimal installation height (approx. 8.2 ft).

9. SPECIFICATIONS

Technical details for the LUTEC 2-Head and 4-Head Security Lights:

Super Bright 4 Heads

Upgraded led beads, 88% energy saving



9000LM

5000K Daylight
As Bright as Day

Image: The 4-head flood light illuminating a garage, highlighting its 9000LM output and 5000K daylight color, indicating super bright illumination and energy saving.

Feature	4-Head Model	2-Head Model
Power Consumption	80W	38W
Lumen Output	9000 LM	3500 LM
Color Temperature	5000K Daylight	5000K Daylight
Detection Angle	180°	180°
Detection Distance	Up to 69 ft (21 m)	Up to 59 ft (18 m)
Light Range Coverage	Up to 2,370 sq. ft.	Up to 1,150 sq. ft.

Feature	4-Head Model	2-Head Model
IP Rating	IP65 (Waterproof)	IP65 (Waterproof)
Housing Material	Durable Aluminum	Durable Aluminum

10. WARRANTY & SUPPORT

LUTEC provides a comprehensive warranty for its products. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official LUTEC website.

If you require assistance, have questions, or encounter any issues with your LUTEC Security Light, please contact our customer service team. We offer 24/7 after-sales support to ensure your satisfaction.

Contact Information:

Please refer to the contact details provided on your product packaging or the official LUTEC website for the most current support information.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question