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› LUTEC 32W 3500 Lumen LED Security Lights Motion Sensor Light Outdoor User Manual

## LUTEC B09VP9VP2K

# LUTEC 32W 3500 Lumen LED Security Light User Manual

Model: B09VP9VP2K

Brand: LUTEC

## 1. INTRODUCTION

Thank you for choosing the LUTEC 32W 3500 Lumen LED Security Light. This outdoor flood light is designed to provide powerful, energy-efficient illumination with advanced motion sensing capabilities. Featuring 5000K daylight brightness, IP65 waterproof rating, and multiple lighting modes, it is ideal for enhancing security and visibility around your garage, yard, porch, or driveway. This manual provides detailed instructions for safe installation, operation, maintenance, and troubleshooting to ensure optimal performance of your new security light.



Figure 1: Front view of the LUTEC 32W 3500 Lumen LED Security Light.

## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **WARNING: Risk of Electric Shock.** Disconnect power at the fuse or circuit breaker before installation or servicing.
- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- Use only UL-listed wire connectors suitable for the size, type, and number of conductors.
- Do not install this fixture on surfaces that are easily flammable.
- Ensure all connections are secure and properly insulated.
- Do not look directly into the LED light source when illuminated.

## 3. WHAT'S IN THE BOX

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Verify that all components are present before beginning installation:

- LUTEC 32W 3500 Lumen LED Security Light Unit
- Mounting Hardware (screws, wire nuts, mounting plate)



Figure 2: Included mounting hardware.

## 4. SETUP AND INSTALLATION

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This LED security light is designed for hardwire wall-mounted installation. Professional installation is recommended if you are not familiar with electrical wiring.

### 4.1 Pre-Installation Steps

1. Turn off power at the circuit breaker or fuse box before starting installation.
2. Carefully unpack the light fixture and all components.
3. Identify the desired mounting location. Ensure it is a stable, flat surface suitable for wall mounting and within reach of existing electrical wiring.

### 4.2 Wiring and Mounting

1. Attach the mounting plate to the junction box using the provided screws.
2. Connect the electrical wires: Match the black wire from the fixture to the black (live) wire from the junction box, the white wire from the fixture to the white (neutral) wire, and the green/ground wire from the fixture to the bare copper (ground) wire. Secure connections with wire nuts.
3. Carefully tuck the wires into the junction box.
4. Align the fixture with the mounting plate and secure it using the provided screws. Ensure the fixture is flush against the mounting surface.
5. Adjust the light heads to the desired angle for optimal coverage.

# DURABLE DESIGN



METAL FINISH:  
**ALUMINUM**

PROFESSIONAL  
FILTER LENS



Figure 3: Installation process of the security light.



Figure 4: Hardwire connection requirement.

## 5. OPERATING INSTRUCTIONS

The LUTEC security light offers versatile operation with adjustable motion sensing and multiple lighting modes.

### 5.1 Motion Sensor Adjustment

The motion sensor has a wide sensing angle of 180 degrees and can detect motion up to 59 feet away. Adjust the sensitivity and timer settings on the sensor unit:

- **Sensitivity (DISTANCE):** Adjust for detection range (L=0-20 ft, M=0-39 ft, H=0-69 ft).
- **Timer (TIME):** Set how long the light stays on after motion is detected (1 minute, 3 minutes, or 10 minutes).

# DUSK TO DAWN MODE

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



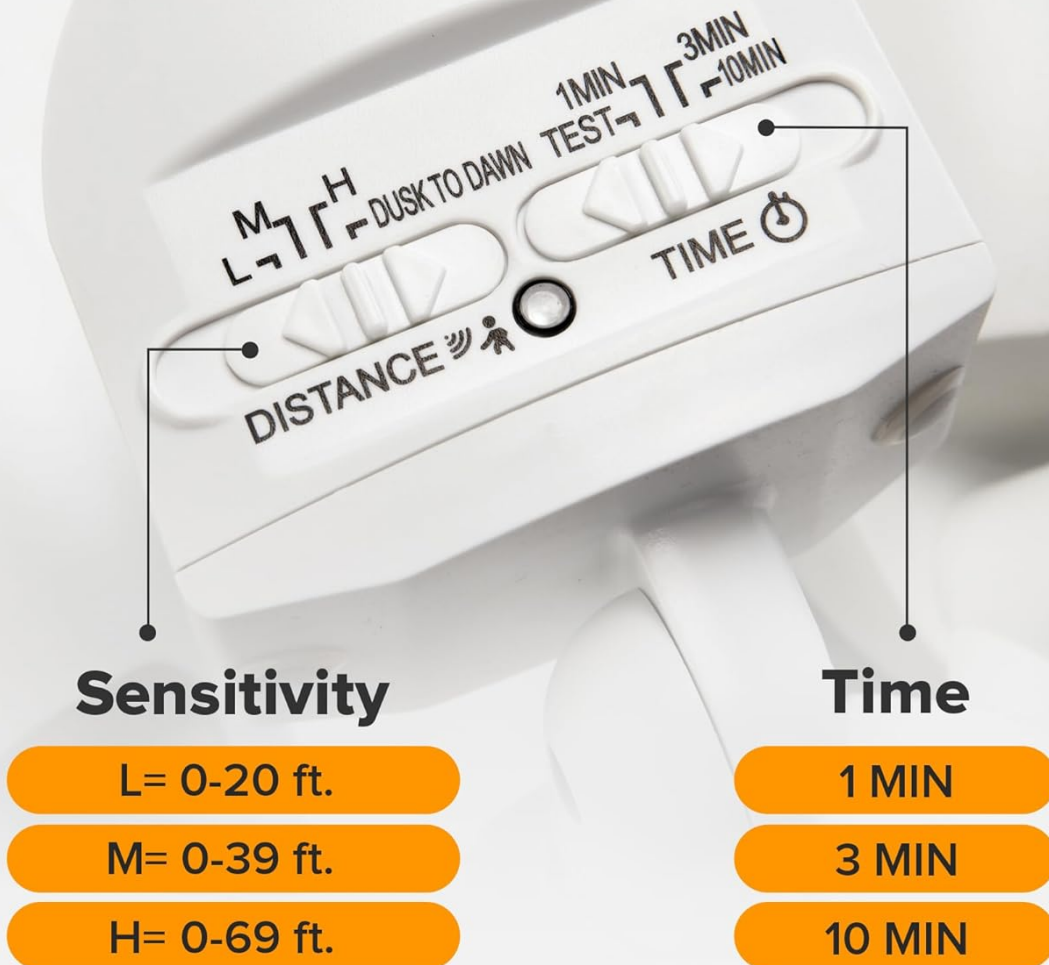
**AUTO OFF AT DAWN**



**AUTO ON AT DUSK**

Figure 5: Motion sensor adjustment dials.

# CHOOSE YOUR OWN MODES



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

Figure 6: Motion sensor detection range.

## 5.2 Lighting Modes

The light features four distinct operating modes:

1. **Test Mode:** Used for initial setup and aiming. The light will turn on for a short period when motion is detected, regardless of ambient light.
2. **Security Mode:** The light turns on to 100% brightness only when motion is detected during nighttime hours.
3. **Dusk to Dawn Mode:** The light turns on at a low brightness (e.g., 20%) at dusk and stays on until dawn. It will switch to 100% brightness when motion is detected, then return to low brightness after motion ceases.
4. **Manual Override Mode:** Allows the light to operate constantly at 100% brightness for a selected period, bypassing the motion sensor and dusk-to-dawn function. This mode is typically activated by quickly toggling the power switch twice.

# 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**

Figure 7: Dusk to Dawn mode functionality.

Video 1: Demonstration of the LUTEC 3500LM LED Security Light's motion sensor and lighting capabilities. This video showcases the light's performance in an outdoor setting.

## 6. MAINTENANCE

The LUTEC LED Security Light is designed for minimal maintenance due to its durable construction and long-lasting LED technology.

- **Cleaning:** Periodically clean the light fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Durability:** The fixture features an aluminum body and professional filter lens for enhanced durability. It is IP65 waterproof, protecting it from dust and water jets, making it suitable for outdoor use in various weather conditions.
- **Lifespan:** The LED units have an estimated lifespan of 50,000 hours, significantly reducing the need for bulb replacement.

# IP65 WATERPROOF



We provide a gasket for you.

Figure 8: IP65 Waterproof design ensures durability in outdoor conditions.

# EASY TO INSTALL



Figure 9: Durable aluminum construction and professional lens.

## 7. TROUBLESHOOTING

If you experience issues with your LUTEC LED Security Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power; faulty wiring; sensor blocked; ambient light too high.	Check circuit breaker. Verify wiring connections. Clear any obstructions from the sensor. Ensure it's dark enough for the sensor to activate.
Light stays on constantly.	Sensor sensitivity too high; continuous motion; manual override active.	Reduce sensor sensitivity. Ensure no constant motion in detection area. Check if manual override mode is engaged (toggle power off/on to reset).
Light flashes or flickers.	Loose wiring; power fluctuations; faulty sensor.	Check and secure all wiring connections. Ensure stable power supply. If problem persists, contact customer service.

Problem	Possible Cause	Solution
Motion sensor not detecting.	Sensitivity too low; sensor obstructed; incorrect angle.	Increase sensor sensitivity. Clear obstructions. Adjust sensor angle to cover desired area.

## 8. SPECIFICATIONS

Feature	Detail
Brand	LUTEC
Model Number	B09VP9VP2K
Power Source	Hardwire
Wattage	32W
Brightness	3500 Lumens
Color Temperature	5000K (Daylight White)
Motion Sensor Angle	180 degrees
Motion Sensor Range	Up to 59 feet (adjustable)
Timer Settings	1, 3, or 10 minutes
Water Resistance	IP65 Waterproof
Material	Aluminum, Polycarbonate
Lifespan	50,000+ hours
Product Dimensions	9.21"L x 6.18"W x 6.5"H
Item Weight	1.76 pounds

## 9. WARRANTY AND SUPPORT

LUTEC provides a full warranty for this product. For any issues or inquiries, our customer service team is available to assist you.

- **Customer Service:** We provide 7\*24h after-sales service. Please contact us if any issue arises.
- **Warranty Type:** Full Warranty.