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> LEPOWER 3500LM Dusk to Dawn LED Security Light (Model YY02B-BL) Instruction Manual

LEPOWER YY02B-BL

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Comprehensive guide for installation, operation, and maintenance.

INTRODUCTION

Thank you for choosing the LEPOWER 3500LM Dusk to Dawn LED Security Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new security light. Please read these instructions thoroughly before installation and retain them for future reference.



Image: The LEPOWER 3-Head LED Security Light, featuring three adjustable light heads and a central mounting base.



3500 Lumen Brightness



Image: An exploded view illustrating the 3500 lumen brightness, showing the filter lenses and branded LED beads that produce the light.

IMPORTANT SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- Installation must be performed by a qualified electrician or a person familiar with the construction and operation of the product and the hazards involved.
- Ensure the supply voltage is correct (120V AC).
- Do not install near combustible materials.
- This fixture is designed for outdoor use and is IP65 waterproof.
- Do not look directly into the LED light source when illuminated.
- Ensure all connections are secure and properly insulated.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

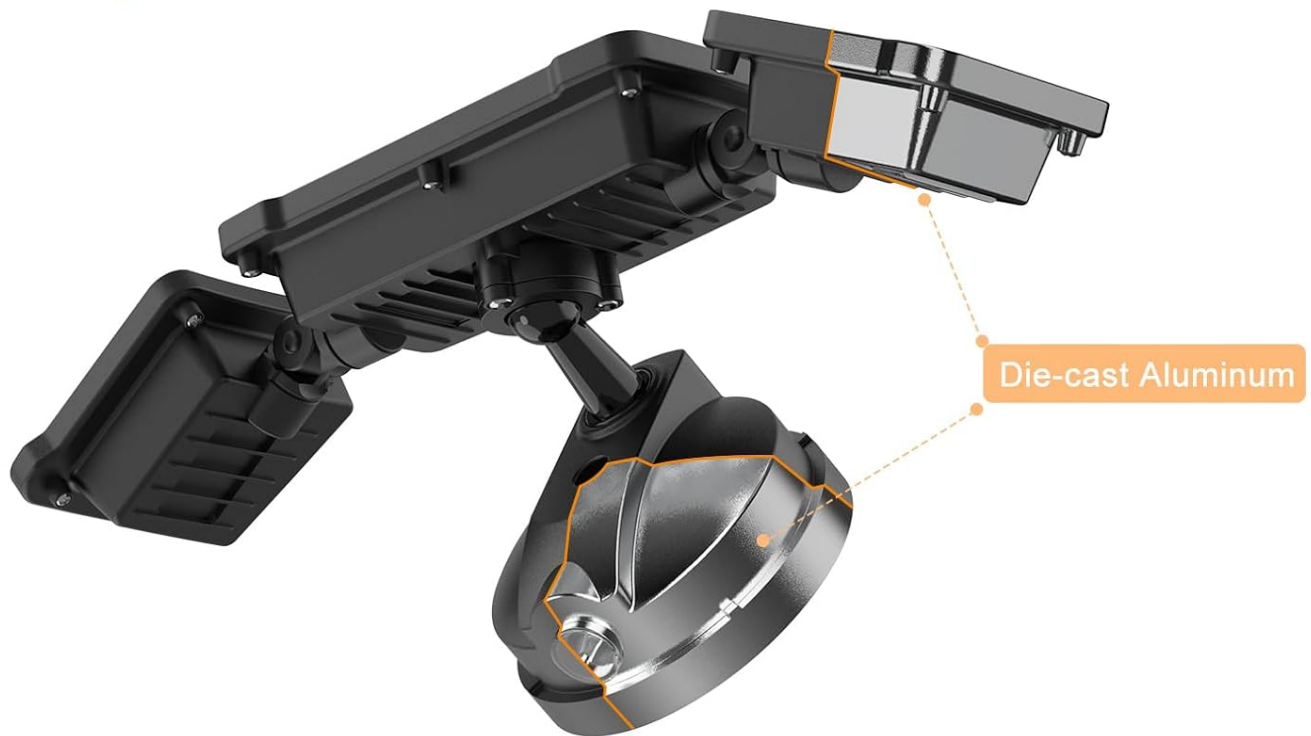
- LEPOWER 3-Head LED Security Light Fixture
- Mounting Hardware (screws, wire nuts, mounting bracket)
- User Manual (this document)

PRODUCT SPECIFICATIONS

Brand	LEPOWER
Model Number	YY02B-BL
Brightness	3500 Lumens
Color Temperature	5500K (Daylight White)
Wattage	35 Watts
Voltage	120 Volts
Material	Die-cast Aluminum
Water Resistance	IP65 Waterproof
Product Dimensions	14"L x 5.3"W x 5.4"H
Light Source Type	LED
Special Features	3 Adjustable Heads, Dusk to Dawn Sensor, Energy Efficient



Enduring Aluminum Design



ETL Certified



Image: A detailed view highlighting the die-cast aluminum construction for durability and the ETL certification mark, indicating compliance with safety standards.



Image: The security light installed outdoors, demonstrating its IP65 waterproof rating by operating effectively during rainfall.



Easy to install



Image: Diagram showing the dimensions of the LEPOWER 3-Head LED Security Light, including length, width, and height measurements for installation planning.

INSTALLATION INSTRUCTIONS

Tools Required (Not Included):

- Phillips head screwdriver
- Wire strippers
- Pliers
- Electrical tape
- Safety glasses
- Ladder (if installing at height)

Installation Steps:

1. **Turn Off Power:** Before starting any electrical work, ensure the power to the junction box is turned off at the circuit breaker or fuse box.
2. **Remove Existing Fixture (if applicable):** Carefully remove any existing light fixture and its mounting bracket from the junction box.
3. **Attach Mounting Bracket:** Secure the new mounting bracket to the junction box using the provided screws. Ensure it is firmly attached.
4. **Connect Wiring:**
 - Connect the **black** wire from the fixture to the **black** (live) wire from the junction box using a wire nut.
 - Connect the **white** wire from the fixture to the **white** (neutral) wire from the junction box using a wire nut.
 - Connect the **green** (ground) wire from the fixture to the **ground** wire from the junction box (or to the ground screw on the mounting bracket) using a wire nut.
 - Ensure all connections are secure and insulated with electrical tape if necessary.
5. **Mount the Fixture:** Align the fixture with the mounting bracket and secure it with the provided screws. Ensure the photocell sensor is positioned correctly (typically facing upwards or outwards to detect ambient light).
6. **Seal the Fixture:** Apply a bead of silicone sealant around the edges of the fixture where it meets the mounting surface to prevent water intrusion, especially for outdoor installations.
7. **Restore Power:** Once the fixture is securely mounted and wired, restore power at the circuit breaker.

OPERATING INSTRUCTIONS

1. Dusk to Dawn Mode (Default)

The LEPOWER security light is equipped with a built-in photocell sensor. In this mode, the light will automatically turn ON at dusk when ambient light levels fall below a certain threshold and turn OFF at dawn when sufficient natural light is detected.

- Ensure the photocell sensor is unobstructed by eaves, trees, or other objects that might cast shadows, as this can interfere with its operation.
- Avoid installing the light near other light sources (e.g., streetlights) that could cause the sensor to detect light and prevent the fixture from turning on.

Dusk to Dawn Mode

--No Motion Sensor Function/No Solar Powered



Auto OFF 

Auto ON 



Image: Close-up view of the photocell sensor on the LEPOWER security light, illustrating its function in Dusk to Dawn mode where the light automatically activates at night and deactivates during the day.

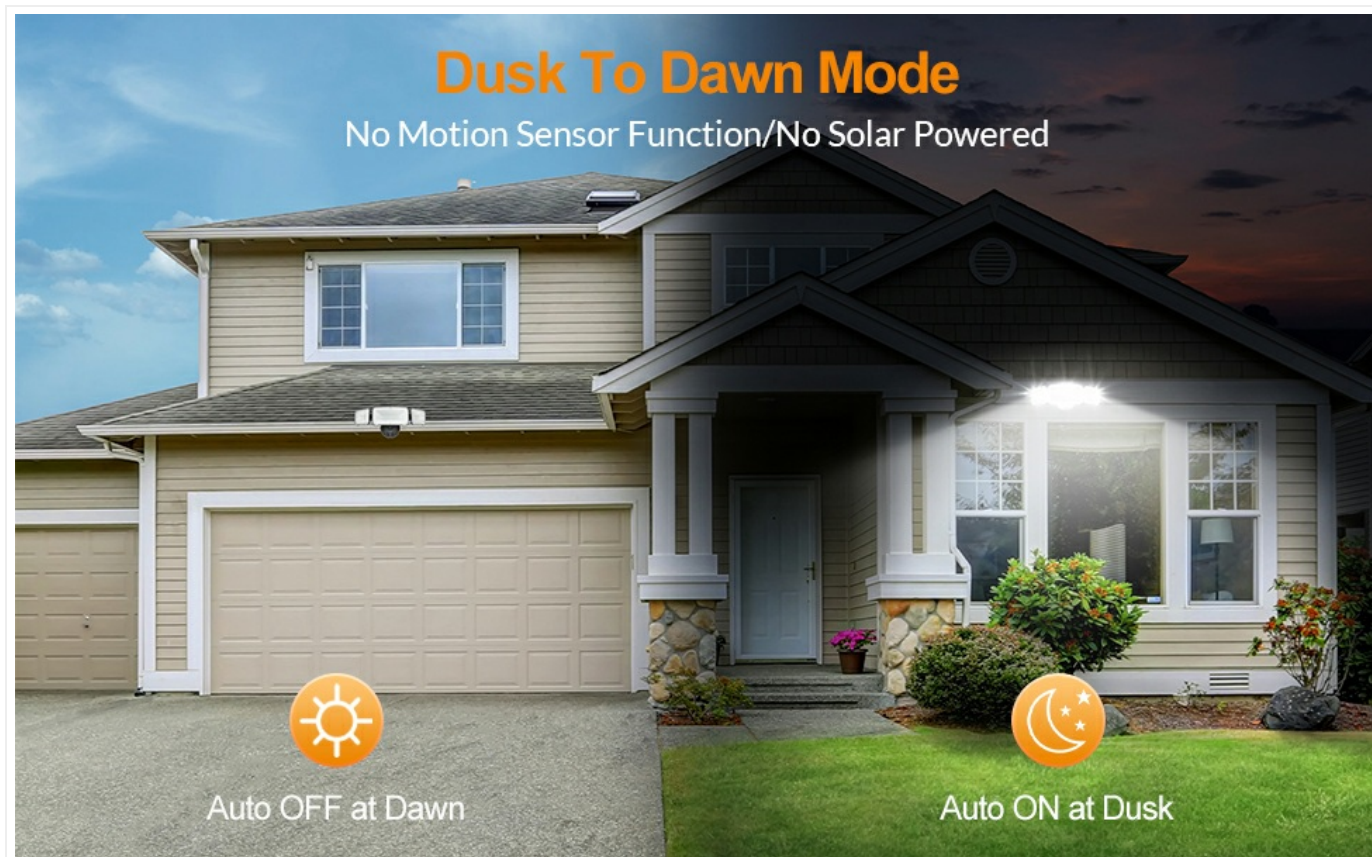


Image: A house exterior demonstrating the Dusk to Dawn mode, with the light off during the day and automatically illuminated at night.

2. Switch-Controlled Mode

If you prefer to control the light manually with a wall switch, you can disable the photocell sensor by placing the included silicone cap over it. This will convert the light to a standard switch-controlled floodlight.

- To activate: Place the silicone cap firmly over the photocell sensor.
- To deactivate: Remove the silicone cap from the photocell sensor.
- Once the cap is in place, the light can be turned ON and OFF using your existing wall switch.



Image: Diagram showing how to cover the photocell sensor with a silicone cap to enable switch-controlled operation, allowing manual ON/OFF control via a wall switch.

3. Adjusting Light Heads

The three light heads are independently adjustable, allowing you to direct the light precisely where needed. Each head can be rotated horizontally and tilted vertically to achieve a wide lighting angle of up to 270 degrees.

- Gently loosen the adjustment screws on each light head.
- Position the light heads to cover your desired area.
- Tighten the adjustment screws to secure the heads in place.

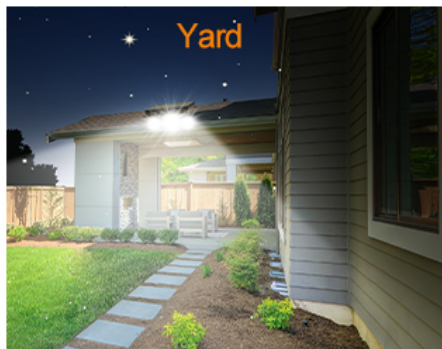


Image: Examples of the LEPOWER security light illuminating a yard and a garage, highlighting the flexibility of the three adjustable heads to cover different areas.

MAINTENANCE

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Photocell Sensor:** Ensure the photocell sensor remains clean and free of debris (e.g., leaves, dirt) to ensure proper operation in Dusk to Dawn mode.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose wiring, or corrosion. If any issues are found, disconnect power and consult a qualified electrician for repair or replacement.
- **LEDs:** The integrated LED lights are designed for long life and are not user-replaceable.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night (Dusk to Dawn mode).	◦ Power is off. ◦ Photocell sensor is obstructed or dirty. ◦ Photocell sensor is detecting ambient light (e.g., from another light source). ◦ Wiring error.	◦ Check circuit breaker/fuse. ◦ Clean the photocell sensor. ◦ Relocate the fixture or shield the sensor from external light. ◦ Verify wiring connections.
Light stays on during the day (Dusk to Dawn mode).	◦ Photocell sensor is covered or not detecting sufficient daylight. ◦ Photocell sensor is faulty.	◦ Ensure the photocell sensor is clean and unobstructed. Remove the silicone cap if it's in Switch-Controlled mode. ◦ Contact customer support for replacement if faulty.

Light flickers or operates intermittently.	◦ Loose wiring connection. ◦ Fluctuating power supply. ◦ Faulty fixture.	◦ Check and secure all wiring connections (with power off). ◦ Consult an electrician to check power supply. ◦ Contact customer support.
Light does not respond to wall switch (Switch-Controlled mode).	◦ Silicone cap not properly placed over photocell. ◦ Wall switch is faulty.	◦ Ensure the silicone cap completely covers the photocell sensor. ◦ Test or replace the wall switch.

WARRANTY AND CUSTOMER SUPPORT

LEPOWER products are designed for quality and reliability. For warranty information, technical assistance, or any questions regarding your product, please contact LEPOWER customer support.

Please refer to the original purchase documentation or the LEPOWER official website for the most up-to-date warranty terms and contact information.

Manufacturer: LEPOWER

Model Number: YY02B-BL

ASIN: B08PCYGBCZ

