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› LEPOWER 30W LED Motion Sensor Security Light (Model YY01A-BR) - Instruction Manual

LEPOWER YY01A-BR

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Model: YY01A-BR

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your LEPOWER 30W LED Motion Sensor Security Light. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

WARNING:

Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing.

- Ensure the power supply is turned off before beginning installation.
- Installation should be performed by a qualified electrician if you are not familiar with electrical wiring.
- Do not connect to a dimmer switch.
- This fixture is designed for 120V AC power supply.
- Do not look directly into the LED light source when the light is on.

3. PACKAGE CONTENTS

Verify that all components are present before installation:

- LEPOWER 30W LED Motion Sensor Security Light fixture
- Mounting Hardware (screws, wire nuts, gasket)
- Instruction Manual

4. PRODUCT FEATURES

- **High Brightness & Energy Efficiency:** 30W LED lamp beads produce up to 3200 lumens with an optical filter lens for enhanced illumination.
- **PIR Motion Sensor:** Detects motion from humans, cars, or animals up to 72 feet away within a 180° detection angle. ETL certified for safety.
- **Adjustable Design:** Two LED light heads and the motion sensor head can be adjusted to different angles for optimal coverage.
- **Durable Construction:** Made of aluminum for excellent heat dissipation and longevity (up to 50,000 hours).
- **Weatherproof:** IP65 waterproof rating ensures protection against rain, sleet, or snow.
- **Customizable Lighting Time:** Adjustable lighting duration from 10 seconds to 10 minutes (Max) when triggered.
- **Adjustable Sensing Range:** Stepless adjustment for sensing range from 0 to 72 feet.

5. INSTALLATION

This light is designed for wall mounting. Follow these steps carefully:

1. **Turn off Power:** Locate the circuit breaker or fuse box and turn off the power to the junction box where the light will be installed.
2. **Prepare Mounting Plate:** Attach the mounting plate to the junction box using the provided screws. Ensure it is securely fastened.
3. **Wiring:**
 - Connect the **black** wire from the fixture to the **black** (live) wire from the junction box.
 - Connect the **white** wire from the fixture to the **white** (neutral) wire from the junction box.
 - Connect the **green** (ground) wire from the fixture to the **ground** wire from the junction box.
 - Secure all connections with wire nuts.
4. **Mount Fixture:** Align the fixture with the mounting plate and secure it with the provided screws. Ensure the gasket is properly seated to maintain weather resistance.
5. **Adjust Light Heads and Sensor:** Loosen the adjustment screws on the light heads and motion sensor. Position them to cover the desired area. Tighten the screws once adjusted.
6. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

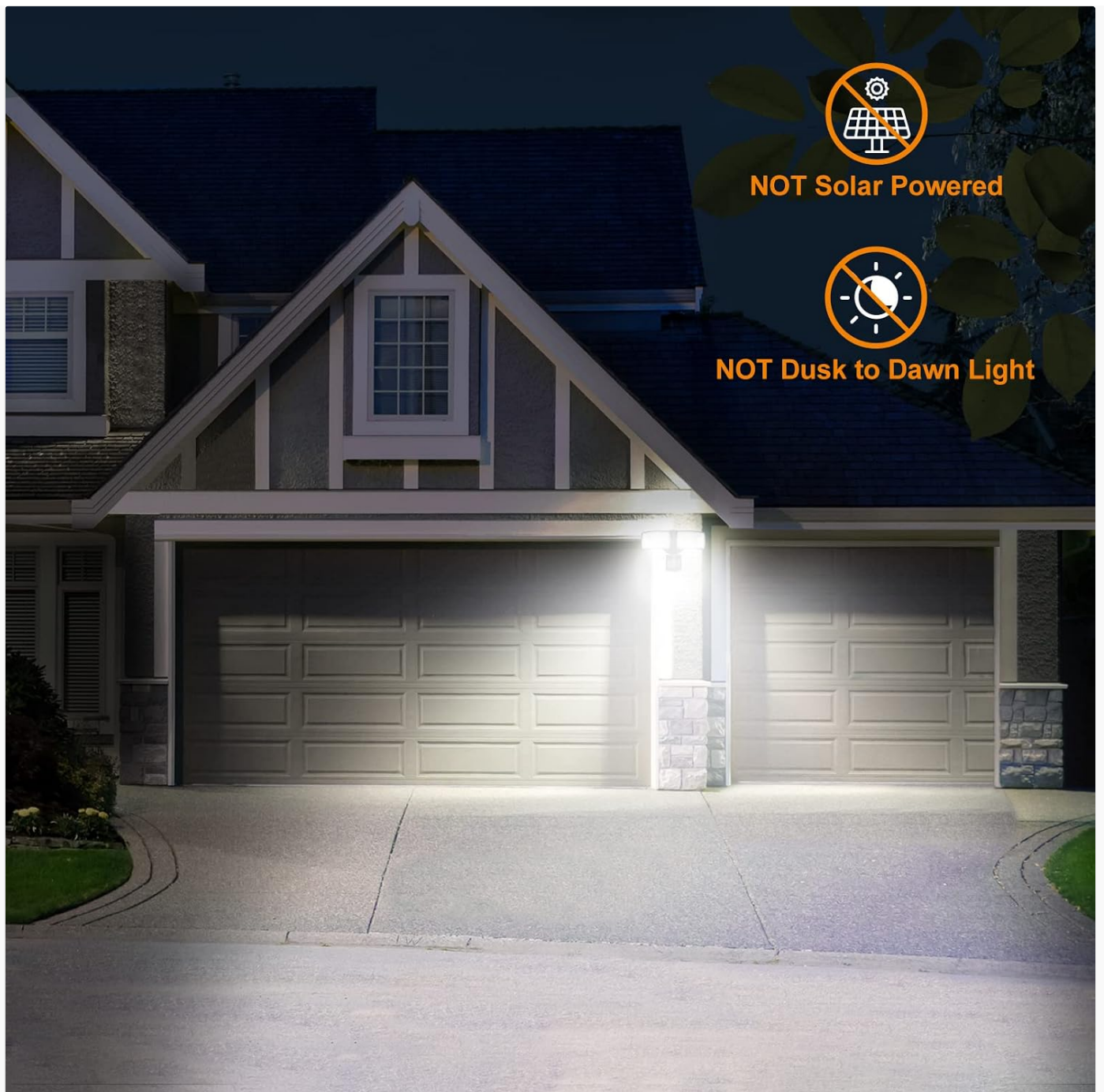


Image: The LEPOWER 30W LED Motion Sensor Security Light, showing its adjustable light heads and motion sensor. This image illustrates the physical appearance and flexibility of the fixture.



Image: Diagram illustrating the adjustable nature of the light heads and motion sensor, indicated by orange arrows showing rotational movement. This highlights the customization options for light direction and sensor coverage.

6. OPERATION AND SETTINGS

The motion sensor has two adjustable dials located on its underside:

- **TIME Dial:** Controls the duration the light stays on after motion is detected. Adjustable from 10 seconds to 10 minutes.
- **SENS (Sensitivity) Dial:** Adjusts the motion detection range. Adjustable from 0 to 72 feet.

Test Mode: Set the TIME dial to "Test" for initial setup. In this mode, the light will turn on for a few seconds each time motion is detected, regardless of ambient light, allowing you to verify the sensor's coverage area.



Image: A close-up view of the motion sensor unit, highlighting the adjustable dials for 'TIME' and 'SENS'. This image helps users locate and understand the controls for customizing the light's behavior.



Image: A detailed diagram of the TIME dial on the motion sensor, showing settings from 1 to 10 minutes and a 'Test' mode. This visual aid assists users in setting the desired illumination duration.

7. MAINTENANCE

- **Cleaning:** Clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically inspect the wiring and connections for any signs of damage or wear.
- **LEDs:** The LED light source is integrated and not user-replaceable.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power; faulty wiring; sensor malfunction.	Check circuit breaker. Verify wiring connections. Ensure sensor is not obstructed.
Light stays on continuously.	Sensor set to override mode; continuous motion detected; faulty sensor.	Adjust TIME dial. Reduce SENS sensitivity. Ensure no constant heat sources or movement in detection zone.

Problem	Possible Cause	Solution
Light turns on too frequently.	High sensitivity; environmental factors (wind, small animals).	Reduce SENS sensitivity. Adjust sensor angle to exclude unwanted areas.
Light does not detect motion.	Low sensitivity; obstructed sensor; incorrect sensor angle.	Increase SENS sensitivity. Clear any obstructions. Adjust sensor angle for optimal coverage.

9. SPECIFICATIONS

Feature	Specification
Brand	LEPOWER
Model Number	YY01A-BR
Power Source	Hardwire
Wattage	30 Watts
Brightness	3200 Lumens
Color Temperature	5500 Kelvin (White Light)
Voltage	120 Volts
Motion Sensor Range	Up to 72 feet
Detection Angle	180°
Lighting Time Adjustment	10 seconds to 10 minutes (stepless)
Material	Aluminum (fixture), Polycarbonate (shade)
Water Resistance	IP65 Waterproof
Dimensions (L x W x H)	10.12" x 4.51" x 7.55"
Item Weight	1.59 pounds
Certifications	ETL Listed, FCC Listed
Installation Type	Wall Mount & Eave Mount

10. WARRANTY AND SUPPORT

This LEPOWER product comes with a 12-month warranty from the date of purchase. For warranty claims or technical support, please contact LEPOWER customer service. Retain your proof of purchase for warranty validation. For further assistance, please refer to the official LEPOWER website or contact their customer support channels.

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.

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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