

LEPOWER-TEC YY03APU

LEPOWER-TEC LED Security Light Instruction Manual

Model: YY03APU

1. INTRODUCTION

Thank you for choosing the LEPOWER-TEC LED Security Light. This product is designed to provide reliable and customizable outdoor illumination with advanced motion detection capabilities. Please read this manual thoroughly before installation and operation to ensure proper use and safety.

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 any work.
- Installation should be performed by a qualified electrician or a person with electrical knowledge.
- This fixture is designed for outdoor use and must be hardwired to a 120V AC power source.
- Do not connect to a dimmer switch.
- Do not look directly into the LED light source when the light is on.
- Ensure all connections are secure and properly sealed to prevent water intrusion.

3. PACKAGE CONTENTS

Verify that all components are present before installation:

- Security Light ×1
- Mounting Bracket ×1
- Mounting Bolt ×1
- Silicone Plug ×1
- Foam Gasket ×1
- Small Junction Box Screw ×2
- Medium Junction Box Screw ×2

- Wire Nut x3

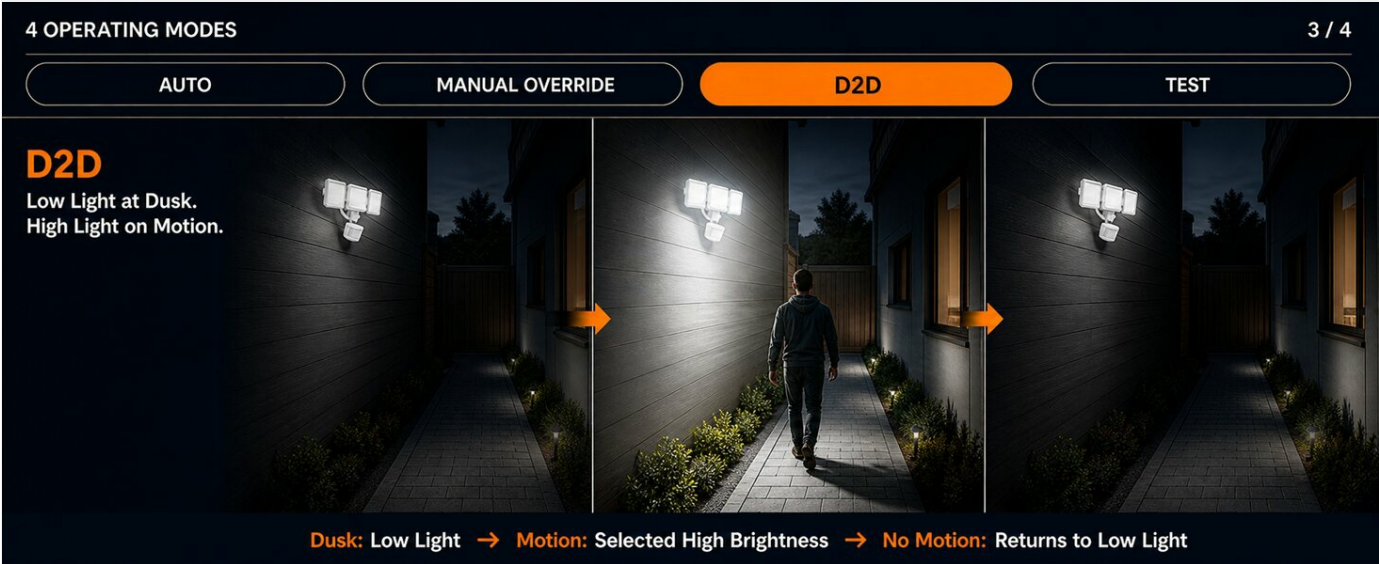


Image: All components included in the LEPOWER-TEC LED Security Light package.

4. SPECIFICATIONS

Feature	Specification
Brand	LEPOWER-TEC
Model Number	YY03APU
Brightness	3000-7000 Lumens (Adjustable)
Color Temperature	5000K Daylight
Motion Sensor Range	20-100 ft (Adjustable)
Motion Sensor Angle	240° Dual PIR
Duration Settings	1, 2, 5, 10 minutes
Power Source	Hardwired, 120V AC
Wattage	58 Watts
Weather Resistance	IP65 Rated
Material	Metal, Plastic
Dimensions (L x W x H)	14.15" x 8.23" x 5.35"
Lifespan	50,000 hours

5. SETUP AND INSTALLATION

This security light is designed for simple hardwired installation on walls or eaves. A junction box is required.

5.1 Installation Steps

1. **Turn off Power:** Disconnect power at the circuit breaker before starting.

2. **Secure the Mounting Bracket:** Attach the mounting bracket to your junction box using the provided screws. Ensure it is firmly secured.
3. **Apply Foam Gasket:** Place the foam gasket over the junction box and mounting bracket to create a weather-tight seal.
4. **Connect Wires:** Connect the fixture's wires to your household wiring using the wire nuts:
 - Black wire (fixture) to Black wire (household - Live)
 - White wire (fixture) to White wire (household - Neutral)
 - Green wire (fixture) to Green/Bare Copper wire (household - Ground)Ensure connections are tight and secure.
5. **Mount and Seal:** Align the center hole of the fixture with the gasket hole. Insert the mounting bolt (CC) through the fixture and into the mounting bracket. Tighten the bolt securely. Do not pinch wires or overtighten. Apply the silicone plug over the mounting bolt head for additional weather protection.
6. **Adjust Light Heads:** Adjust the three light heads to cover your desired area (driveway, yard, garage, entryway).



Image: Visual guide for hardwired installation steps.

5.2 Mounting Orientation

The fixture can be mounted on walls or eaves. Ensure the motion sensor maintains a horizontal orientation for optimal performance.



Image: Correct mounting orientations for wall and eave installations.

For detailed visual instructions, refer to the installation videos below:

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Video: Security light wall mounting method and usage instructions by LePower.

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Video: Security light eaves mounting method and usage instructions by LePower.

6. OPERATING INSTRUCTIONS

The LEPOWER-TEC LED Security Light offers multiple customizable settings for optimal performance.

6.1 Adjustable Settings

Use the dials on the motion sensor to adjust the following:

- **Detection Range:** Select from 20, 50, 70, or 100 feet.
- **Brightness:** Choose from 3000, 4500, 5500, or 7000 Lumens.
- **Timer (Motion Stay On Time):** Set the light to stay on for 1, 2, 5, or 10 minutes after motion is no longer detected.



Image: Control dials for customizing light settings.

6.2 Operating Modes

The light features four operating modes:

1. Auto Mode (Motion-Activated Lighting at Night):

In this mode, the light remains off at night until motion is detected. Upon detection, it illuminates at the selected brightness level for the set duration, then turns off if no further motion is detected. This mode is active only in low-light conditions.

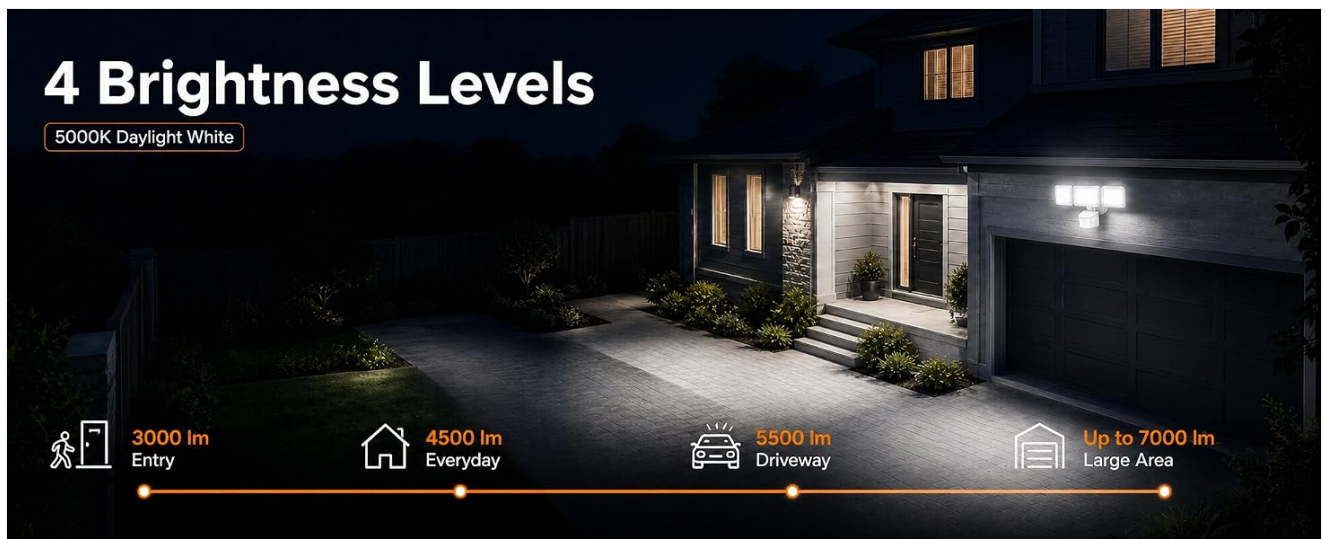


Image: Auto Mode operation flow.

2. Manual Override Mode (Steady Light):

To activate continuous lighting, quickly toggle your wall switch OFF-ON-OFF-ON within 2 seconds. The light will stay on at the selected brightness until dawn or until the mode is reset by turning the wall switch off for more than 10 seconds.



Image: Manual Override Mode activation.

3. Dusk-to-Dawn (D2D) Mode:

In D2D mode, the light provides a low-level illumination (approximately 20% brightness) from dusk until dawn. When motion is detected, it temporarily switches to the selected high brightness, then returns to low light after the set duration. This mode offers continuous ambient lighting with enhanced security.



Image: Dusk-to-Dawn Mode operation flow.

4. Test Mode:

Use Test Mode to fine-tune the motion sensor's detection range and light head aiming during daylight. In this mode, the light will activate for approximately 7 seconds each time motion is detected, regardless of ambient light levels. Set the timer dial to "Test" for this function.



Image: Test Mode for sensor adjustment.

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Video: LEPOWER-TEC Zero Blind Spots Outdoor Security Light, demonstrating motion detection and coverage.

7. MAINTENANCE

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

- **Cleaning:** Periodically clean the light heads and motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the wiring and mounting for any signs of wear, damage, or loose connections. Ensure the silicone plug is intact.
- **LEDs:** The LED lights are integrated and not user-replaceable.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, faulty wiring, sensor blocked, incorrect mode setting.	Check circuit breaker. Verify wiring connections. Clear any obstructions from the sensor. Ensure light is not in "Test" mode or "Off" state.
Light stays on continuously.	Manual Override mode active, continuous motion detected, sensor malfunction.	Toggle wall switch OFF for >10 seconds to reset. Check for constant heat sources or movement in detection zone.
Light flashes on and off.	Power fluctuations, sensor interference, light sensor issues.	Check power supply stability. Ensure no reflective surfaces or other light sources are interfering with the sensor.
Motion sensor not detecting.	Incorrect sensitivity setting, sensor blocked, improper installation height/angle.	Adjust detection range dial. Clear sensor lens. Ensure installation height is 7-10.5 ft and sensor is horizontal.
Light is too dim/bright.	Incorrect brightness setting.	Adjust the brightness dial to your desired lumen output.

9. WARRANTY AND SUPPORT

This LEPOWER-TEC LED Security Light (Model YY03APU) comes with a **12-month manufacturer's warranty** from the date of purchase, covering defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact LEPOWER-TEC customer service. Contact information can typically be found on the product packaging or the official LEPOWER-TEC website.

Please retain your proof of purchase for warranty purposes.

ASK A QUESTION ABOUT THIS MANUAL

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