Lepro WL5000

Lepro WL5000 Solar Motion Sensor Security Light User Manual

Model: WL5000 (PR640004-DW-2)

1. INTRODUCTION

Thank you for choosing the Lepro WL5000 Solar Motion Sensor Security Light. This manual provides essential information for the safe and efficient use of your new solar-powered lighting system. Please read these instructions carefully before installation and operation, and retain them for future reference.

The Lepro WL5000 features 72 ultra-bright LEDs, three adjustable light heads for 270° wide lighting, and a separate solar panel for optimal sun exposure. It is equipped with a PIR motion sensor for enhanced security and is designed for outdoor use with an IP65 waterproof rating.

Image: Two Lepro WL5000 Solar Motion Sensor Security Lights with separate solar panels.

2. PRODUCT OVERVIEW AND COMPONENTS

The Lepro WL5000 Solar Motion Sensor Security Light system includes the main light unit, a separate solar panel, and mounting hardware. The light unit features three adjustable heads and an integrated motion sensor.

Image: Detailed diagram of the Lepro WL5000 components and dimensions, including the solar light, solar panel, connection cable, wall plugs, wall brackets, mounting screws, and instruction manual.

Package Contents:

- Solar Light Unit (x2 for 2-pack)
- Separate Solar Panel (x2 for 2-pack)
- Connection Cable (16ft / 4.8m)
- Wall Plugs (x8)
- Wall Brackets (x4)
- Mounting Screws (x8)
- Instruction Manual

3. SETUP AND INSTALLATION

The Lepro WL5000 is designed for easy installation without complex wiring. Ensure the installation location receives ample direct sunlight for the solar panel.

Installation Steps:

1. **Choose Installation Location:** Select a location for the light unit between 1.5-3.5 meters (5-12 feet) high on an exterior wall. The solar panel should be placed in a location that receives maximum direct sunlight throughout the day, such as a roof or an unobstructed wall. The 16ft (4.8m) connection cable allows for flexible placement.

2. **Mount the Light Unit:** Using the provided screws and wall plugs, fix the wall bracket for the light unit to your chosen exterior wall. Securely attach the solar light unit to the bracket.

Image: Step 1 of installation, showing the solar light unit being fixed to a wall.

3. **Mount the Solar Panel:** Fix the wall bracket for the solar panel to your chosen sunny location. Securely attach the solar panel to its bracket.

Image: Step 2 of installation, showing the separate solar panel being fixed to a roof.

4. **Connect the Cable:** Connect the cable from the solar panel to the input port on the solar light unit. Ensure a secure connection.

5. **Activate the Light:** Locate the power switch on the back of the main light unit. Press the switch to the 'ON' position to activate the light.

Image: Steps 3 and 4 of installation, showing cable connection and turning on the power switch.

6. **Adjust Light Heads:** Adjust the three light heads vertically and horizontally to achieve the desired 270° wide lighting angle for your area.

Image: The three adjustable light heads can be rotated to achieve a wide illumination angle.

Flexible Installation Options:

The separate solar panel design offers flexibility. You can install the solar panel integrated with the light unit or separately, allowing optimal sun exposure for charging even if the light unit is in a shaded area.

1. The solar panel fully charges with just 8 hours of full sun exposure.

2. The light automatically turns on when motion is detected at night.

3. The light automatically powers off within 20 seconds when no motion is detected.

Image: Flexible installation styles, showing integrated and separate solar panel mounting options.

4. OPERATING INSTRUCTIONS

The Lepro WL5000 operates automatically based on light conditions and motion detection.

Automatic Operation:

- **Daytime:** The solar panel converts sunlight into electricity, charging the internal battery. The light remains off during the day.
- **Nighttime (Motion Activated):** At night, the integrated PIR motion sensor detects movement within a 16-26ft (5-8m) distance and a 120° detection angle. Upon detection, the light automatically turns on.
- **Auto-Off:** If no further motion is detected for approximately 20 seconds, the light will automatically turn off to conserve energy.

The Side LED Panels Are Rotatable

Image: Operational sequence of the solar light, demonstrating daytime charging, motion-activated illumination, and automatic shut-off.

Motion Sensor Performance:

The upgraded PIR motion sensor provides reliable detection. Factors such as ambient temperature, object size, and speed can influence detection range and sensitivity.

Image: Motion detection range and angle of the security light, covering up to 8 meters within a 120-degree field.

5. MAINTENANCE

To ensure optimal performance and longevity of your Lepro WL5000 solar light, follow these simple maintenance guidelines:

- **Clean Solar Panel:** Periodically wipe the surface of the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and efficient charging.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel, especially during peak sunlight hours.
- **Inspect Connections:** Occasionally check the connection cable between the solar panel and the light unit to ensure it is secure and free from damage.
- **Weather Resistance:** The light is IP65 waterproof, heat-resistant, and frost-resistant, designed to withstand various outdoor weather conditions. However, extreme conditions may temporarily affect performance.

Image: The Lepro WL5000 is IP65 waterproof, heat-resistant, and frost-resistant for all-weather durability.

6. TROUBLESHOOTING

If your Lepro WL5000 solar light is not functioning as expected, please refer to the following common issues and solutions:

- **Light does not turn on at night:**

  - Ensure the power switch on the back of the light unit is in the 'ON' position.
  - Verify the solar panel is receiving sufficient direct sunlight for at least 8 hours during the day. Relocate the panel if necessary.

- Check the connection cable between the solar panel and the light unit for proper connection and any damage.
- Confirm there are no external light sources (e.g., streetlights, other outdoor lights) near the motion sensor that might prevent it from activating.

- **Light is dim or only stays on for a short time:**

  - The battery may not be fully charged. Ensure the solar panel is clean and exposed to direct sunlight for a full day.
  - Consider environmental factors such as cloudy weather or shorter daylight hours, which can reduce charging efficiency.

- **Motion sensor is not detecting movement:**

  - Ensure the motion sensor lens is clean and unobstructed.
  - Verify the light unit is installed within the recommended height range (1.5-3.5m / 5-12ft).
  - Test the sensor by walking across its detection path, not directly towards it.

If these steps do not resolve the issue, please contact Lepro customer support for further assistance.

7. SPECIFICATIONS

Feature	Specification
Brand	Lepro
Model Number	PR640004-DW-2 (WL5000)
Light Source Type	LED (72 LEDs)
Brightness	1000 Lumens
Color Temperature	6500 Kelvin (Daylight White)
Wattage	14 Watts
Voltage	120 Volts
Lighting Angle	270° Wide Lighting Angle (3 adjustable heads)
Motion Sensor Detection Angle	120°
Motion Sensor Detection Distance	16-26 ft (5-8 m)
Water Resistance Level	IP65 Waterproof
Material	GPPS+ABS (Plastic)
Power Source	Solar Powered
Product Dimensions	8.66"L x 5.12"W x 8.66"H
Item Weight	2.05 pounds
Battery Type	2 Lithium Ion batteries (internal, not user-replaceable)
Average Battery Life	12 months (estimated)

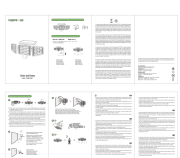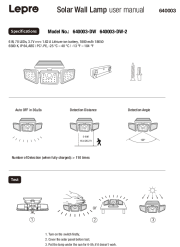| Feature	Specification
Item Package Quantity	2
First Available Date	June 17, 2021

8. WARRANTY AND SUPPORT

The Lepro WL5000 Solar Motion Sensor Security Light comes with a**12-month after-sales service warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use.

For warranty claims, technical support, or any questions regarding your product, please contact Lepro customer service. Have your purchase details and model number (WL5000 or PR640004-DW-2) ready when contacting support.

Contact information can typically be found on the product packaging or the official Lepro website.

Related Documents - WL5000

	[Lepro Solar Wall Lamp User Manual](#) User manual for the Lepro Solar Wall Lamp, providing installation, operation, and maintenance instructions. Features include adjustable lighting angles, motion detection, and weather resistance.
	[Lepro Solar Wall Lamp User Manual & Installation Guide (Model 640003-DW)](#) Comprehensive user manual and installation guide for the Lepro Solar Wall Lamp (Model 640003-DW). Learn about specifications, setup, operation, and maintenance.
	[Lepro Solar Wall Lamp 640003-DW User Manual](#) User manual for the Lepro Solar Wall Lamp, model 640003-DW. Includes specifications, installation instructions, and operational notes for this energy-efficient lighting solution.
	[Lepro LED Desk Lamp with Clamp - PR310005-DWW User Guide](#) User guide for the Lepro LED Desk Lamp with Clamp (Model PR310005-DWW). Learn about its features, specifications, installation, and safe usage. This adjustable desk lamp offers multiple brightness levels and color temperatures, powered via USB, and is designed for indoor use.
	[Lepro LED Headlamp PR320017 User Manual and Instructions](#) Detailed user manual for the Lepro LED Headlamp (Model PR320017). Learn about features, operation, charging, safety guidelines, and specifications.

	Lepro AI LED Permanent Outdoor Lights User Manual and Safety Guide
	Comprehensive guide for Lepro AI LED permanent outdoor lights, covering installation, app connection, voice control, safety precautions, and technical specifications for models E1-30, E1-60, and E1-90.