

Lepro PR640004-DW

Lepro WL5000 Solar Motion Activated Security Light User Manual

Model: PR640004-DW

INTRODUCTION

Thank you for choosing the Lepro WL5000 Solar Motion Activated Security Light. This product is designed to provide efficient and reliable outdoor lighting using solar power, enhancing security and visibility around your home. It features a separate solar panel for optimal sun exposure, three adjustable light heads for wide coverage, and an intelligent motion sensor for automated operation. Please read this manual carefully before installation and use to ensure proper function and longevity of your device.

PRODUCT OVERVIEW AND COMPONENTS

The Lepro WL5000 security light system consists of the main light unit with three adjustable heads and a separate solar panel connected by a cable. Key components are illustrated below:

Light Up From 3 Sides

360° Rotatable design provides adjustable light angle



Figure 1: Product Components and Dimensions. The image displays the main light unit with three adjustable heads, a separate solar panel, a 4.8m connection cable, 8 wall plugs, 4 wall brackets, 8 mounting screws, and an instruction manual. Dimensions are shown as 13.2cm (0.43ft) for the solar panel width, 8cm (0.262ft) for the solar panel height, and 25cm (0.82ft) for the main light unit width.

- **Main Light Unit:** Houses 72 ultra-bright LEDs and a PIR motion sensor.
- **Adjustable Light Heads:** Three heads that can be adjusted vertically and horizontally for 270° wide lighting.
- **Separate Solar Panel:** Converts sunlight into electricity for charging the internal battery.
- **Connection Cord:** 16ft (4.8m) cord connecting the solar panel to the main light unit.
- **Mounting Hardware:** Includes screws, wall plugs, and wall brackets for installation.

KEY FEATURES

- **Wide Lighting & Ultra Bright:** Equipped with 72 ultra-bright LEDs, providing 1000 lumens of 6500K daylight. The three adjustable heads offer a 270° wide lighting angle, illuminating larger areas.



Figure 2: Adjustable Light Heads and Brightness. The image illustrates the flexibility of the three light heads, capable of adjusting to provide a wide 270° lighting angle. Key specifications like 1000 lumens, 6500K color temperature, and 72 LEDs are highlighted.

- **Convenient Solar Charging:** The separate solar panel allows for flexible placement in direct sunlight, maximizing energy absorption. This design reduces carbon emissions and electricity costs.



Figure 3: Separate Solar Panel Advantage. This image compares the Lepro light with its separate solar panel, allowing for optimal sun exposure on a roof, versus a light with an integrated panel that may have limited energy absorption due to its wall-mounted position.

- **Motion Sensor Lights:** An upgraded PIR motion sensor detects movement within a 16-26ft distance and a 120° detection angle. The light automatically turns on when motion is detected at night and turns off after 20 seconds of no movement.

Motion Sensor Security Light

120° detection angle, 16-26ft detection distance



Figure 4: Motion Sensor Detection. The diagram shows the 120° detection angle and 16-26ft detection distance of the PIR motion sensor, indicating its effectiveness in sensing human or animal movement.

- **IP65 Waterproof and Durable:** Constructed from durable GPPS+ABS material, the light is IP65 waterproof, heat-resistant, and frost-resistant, ensuring reliable operation in various weather conditions.

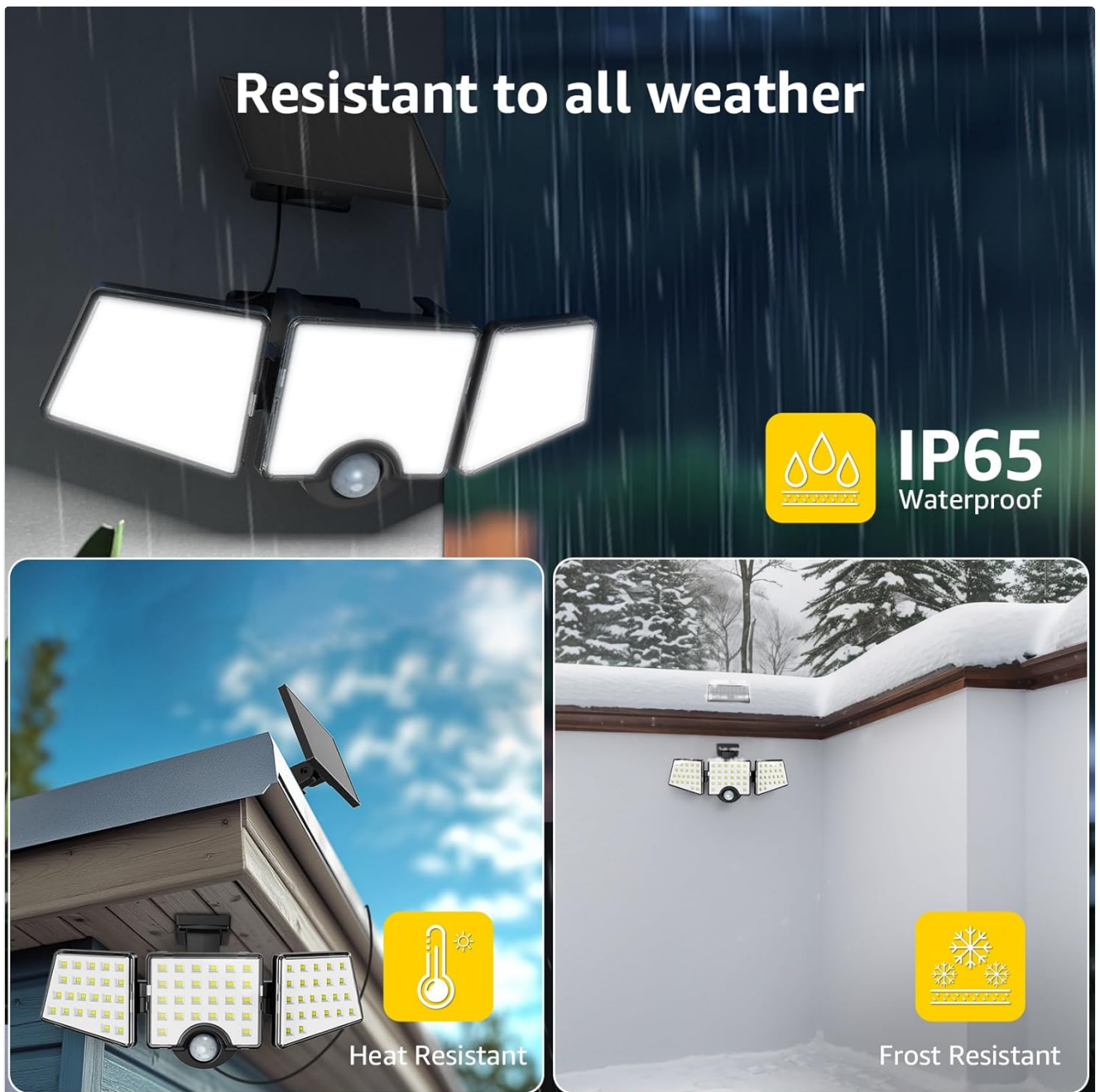


Figure 5: All-Weather Durability. This image highlights the IP65 waterproof rating, heat resistance, and frost resistance of the light, ensuring its functionality in diverse environmental conditions.

Product Video Overview

Your browser does not support the video tag.

Video 1: Lepro Solar Outdoor Light, Separate Solar Panel. This video demonstrates the key features and functionality of the Lepro solar security light, including its motion detection and adjustable light heads.

SETUP AND INSTALLATION

The Lepro WL5000 is designed for easy installation without the need for household electrical wiring. Follow these steps for optimal performance:

1. **Choose a Location:** Select an outdoor location for the main light unit, such as a front door, eaves, garage, or courtyard. Ensure the area where the solar panel will be placed receives direct sunlight for at least 8 hours a day.
2. **Mount the Solar Panel:** Fix the solar panel to a location exposed to direct sunlight using the provided screws and wall plugs. The separate panel and 16ft cord allow flexibility, for example, mounting the panel on a roof.

3. **Mount the Light Unit:** Fix the main light unit to an exterior wall at a recommended height of 1.5-3.5m (5-12ft) using the provided screws and wall plugs.
4. **Connect the Cable:** Plug the connection cable from the solar panel into the main light unit.
5. **Activate the Switch:** Locate the power switch on the back of the main light unit and turn it to the "ON" position.



Figure 6: Easy Installation Steps. This visual guide demonstrates the straightforward process of installing the Lepro solar security light, from mounting the solar panel and light unit to connecting the cable and activating the power switch.

OPERATING INSTRUCTIONS

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

- **Daytime Operation:** During the day, the light will remain off and the solar panel will charge the internal battery when exposed to sunlight.
- **Nighttime Operation:** At night, the motion sensor light will automatically turn ON when triggered by human or animal movement within its detection range.

- **Automatic Shut-off:** The light will automatically turn OFF approximately 20 seconds after no movement is detected. If motion is continuously detected, the light will remain on.



Figure 7: Automatic Operation Cycle. This sequence of images illustrates how the solar light charges during the day and activates at night upon motion detection, staying on with continuous movement and turning off after 20 seconds of inactivity.

MAINTENANCE

To ensure optimal performance and extend the lifespan of your Lepro solar light, consider the following maintenance tips:

- **Clean the Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. 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 charging hours.
- **Inspect Connections:** Periodically check the connection cable between the solar panel and the light unit for any signs of wear or damage.

- **Winter Care:** In areas with heavy snow, clear snow from the solar panel to allow for charging. The light is frost-resistant, but prolonged snow cover will prevent charging.

TROUBLESHOOTING

If you encounter issues with your Lepro solar light, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	<ul style="list-style-type: none">◦ Power switch is OFF.◦ Insufficient sunlight for charging.◦ Solar panel is dirty or obstructed.◦ Battery charge is too low.	<ul style="list-style-type: none">◦ Ensure the power switch is in the "ON" position.◦ Relocate the solar panel to an area with more direct sunlight.◦ Clean the solar panel surface.◦ Allow the light to charge for 1-2 sunny days before use.
Light stays on during the day.	<ul style="list-style-type: none">◦ Light sensor is obstructed or in a dark area.	<ul style="list-style-type: none">◦ Ensure the light sensor (located near the motion sensor) is not covered and receives ambient light.
Motion sensor is not detecting movement.	<ul style="list-style-type: none">◦ Sensor range is too far or obstructed.◦ Temperature changes affecting sensor.	<ul style="list-style-type: none">◦ Adjust the angle of the light unit to optimize sensor coverage.◦ Ensure there are no large objects directly in front of the sensor.

SPECIFICATIONS

Feature	Detail
Brand	Lepro
Model Number	PR640004-DW
Light Source Type	LED (72 LEDs)
Brightness	1000 Lumens
Light Color	6500K Daylight White
Power Source	Solar Powered
Voltage	5.4 Volts
Wattage	12 Watts
Motion Sensor Detection Angle	120°
Motion Sensor Detection Distance	16-26 ft
Lighting Angle	270° (with adjustable heads)

Feature	Detail
Water Resistance Level	IP65 Waterproof
Material	GPPS+ABS
Product Dimensions	11.1"L x 4.65"W x 5.87"H
Item Weight	1.1 pounds (500 Grams)
Battery Type	1 Lithium Ion battery required
Average Battery Life	12 months

WARRANTY AND SUPPORT

Lepro provides a **12-month after-sales service warranty** for this product. If you encounter any issues or have questions regarding your Lepro WL5000 Solar Motion Activated Security Light, please contact Lepro customer support for assistance. Refer to the product packaging or the official Lepro website for the most current contact information. For additional resources, you may visit the official Lepro store:[Lepro Store on Amazon](#).

Documents - Lepro – PR640004-DW

[\[pdf\]](#) User Manual
640004 DW Manuel de l'utilisateurLepro Lampe Solaire Extérieur avec Détecteur Mouvement 3 Têtes Réglables 72 LED 1200LM Lumière Extérieure IP65 étanche Applique Murale 270° Angle 360 Rotative pour Jardin Amazon fr Luminaires et ÉclairageA1tf o2jwSLm media amazon images I A1tf o2jwSL ref dp product quick view |||
100x160 mm 1 4.8 m / 15.7 ft **PR640004-DW** 1 x **PR640004-DW**-2 2 x 2 12 W, 3.7 V 3.24 A, 6500 K, IP 65, -25 C - 40 C / -13 F - 104 F 3.7V 1800mAh 6.66Wh Battery Detection Distance Solar wall lamp user manual Erkennungsdistanz Distance de dtecton Distancia de deteccin Distanza di rileva...
lang:en **score:19** filesize: 1.51 M page_count: 1 document date: 2023-04-04

