Lepro PR640005-DW-2

Lepro Solar Motion Sensor Light Outdoor User Manual

Model: PR640005-DW-2
Brand: Lepro

Product Overview

The Lepro Solar Motion Sensor Light is an advanced outdoor lighting solution designed for gardens, yards, and garages. It features a 2-in-1 design allowing for integrated or separate solar panel installation, ensuring optimal solar energy absorption. Equipped with high-sensitivity motion and optical sensors, it provides bright 1000LM illumination with 3 adjustable heads for a wide 270-degree lighting angle. The light is remote-controlled and offers two versatile lighting modes: AUTO and DIM-AUTO. Built with robust ABS material and an IP65 waterproof rating, it is designed to withstand various weather conditions, offering reliable and energy-efficient outdoor lighting.

Image: The Lepro Solar Motion Sensor Light, showcasing its main unit with three adjustable light heads, a motion sensor, and a separate solar panel connected by a cable. A remote control is also visible, indicating its control capabilities.

Setup and Installation

The Lepro Solar Motion Sensor Light offers flexible installation options: an integrated type or a separated type, depending on your needs and the best location for solar panel exposure.

Installation Options:

- **Integrated Type:** The solar panel is directly attached to the light unit. This is suitable for areas where the light unit itself receives ample direct sunlight.
- **Separated Type:** The solar panel can be detached from the light unit and placed up to 3 meters away using the provided cable. This is ideal for situations where the light needs to be installed in a shaded area (e.g., under eaves)

but the solar panel can be positioned in direct sunlight for optimal charging.

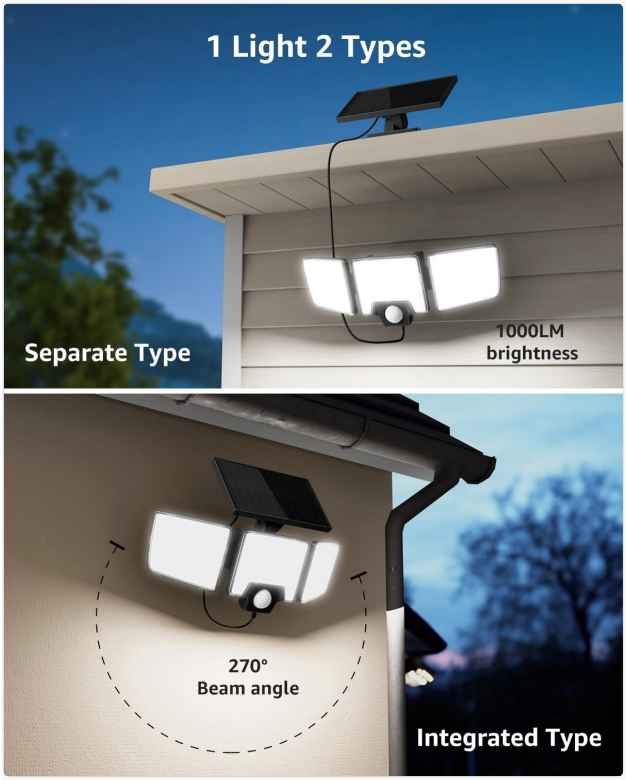

Image: Illustration of the two installation types: Integrated (solar panel attached to light) and Separate (solar panel connected via cable), highlighting the flexibility of placement.

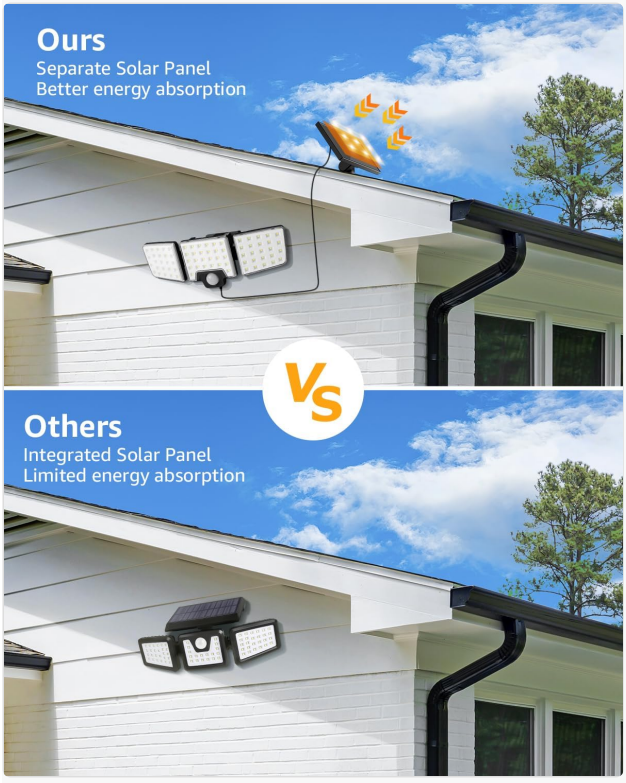

Image: A visual comparison demonstrating how a separate solar panel (top) can achieve better energy absorption by being placed in direct sunlight, compared to an integrated panel (bottom) which might be obstructed by eaves.

Recommended Installation Height:

For optimal motion detection and light coverage, install the unit at a height of**1.8 to 2.5 meters (approximately 6 to 8 feet)** from the ground.

Installation Steps:

1. **Choose Location:** Select a location that receives ample direct sunlight for the solar panel (at least 6 hours daily) and provides the desired lighting coverage.
2. **Mark Drilling Points:** Use the provided mounting bracket to mark the drilling points on the wall.
3. **Drill Holes:** Drill holes at the marked points and insert the wall plugs.
4. **Mount Bracket:** Secure the light holder or panel holder to the wall using the provided screws.
5. **Attach Light/Panel:** Attach the solar light unit and/or solar panel to their respective holders.
6. **Connect Cable (for Separated Type):** If using the separated type, connect the 3-meter cable from the solar panel to the light unit. Ensure the connection is secure.
7. **Adjust Heads:** Adjust the three light heads to your desired angles for optimal illumination. The heads offer up to 270 degrees of rotation.
8. **Activate:** Use the remote control or the switch on the unit to select the desired operating mode.

Image: Step-by-step visual guide for installing the light in its integrated configuration, showing how to mount the unit directly to a wall.

Image: Step-by-step visual guide for installing the light in its separated configuration, illustrating how to mount the light unit and the solar panel separately.

Operating Instructions

The Lepro Solar Motion Sensor Light is designed for intelligent and efficient operation, primarily controlled via the included

remote.

Motion and Light Sensor:

The light features an ultra-sensitive motion (PIR) sensor and a light sensor. It will only activate at night or in dark environments when motion is detected. The motion sensor has a sensing distance of **0-8 meters** and a wide sensing angle of **120 degrees**.

Image: A diagram illustrating the motion sensor's detection range (0-8m) and angle (120 degrees) in front of a garage, showing how it

detects people, pets, and vehicles.

Lighting Modes (via Remote Control):

Use the remote control to switch between the following modes:

AUTO Mode:

In this mode, the light remains off when no motion is detected at night. When motion is detected, the light turns on at full **1000LM brightness**. It automatically turns off after approximately **20 seconds** of no further motion detection.

DIM-AUTO Mode:

In this mode, the light stays on at a low **20LM dim brightness** when no motion is detected at night. When motion is detected, it brightens to full **1000LM brightness**. After approximately 20 seconds of no further motion, it returns to the dim 20LM state.

ON/OFF Buttons:

The remote also includes dedicated ON and OFF buttons for manual control of the light.

Image: A visual representation of the two practical lighting modes: AUTO mode (light off, then 1000LM with motion, then off) and DIM-AUTO mode (20LM dim, then 1000LM with motion, then back to 20LM dim).

Maintenance

Proper maintenance ensures the longevity and optimal performance of your Lepro Solar Motion Sensor Light.

Cleaning:

- Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean solar panel ensures maximum sunlight absorption and efficient charging.
- Clean the light heads and motion sensor lens periodically to ensure clear light output and accurate motion detection.

Battery and Charging:

- Ensure the solar panel is placed in a location that receives at least 6 hours of direct sunlight daily for optimal charging.
- The light is designed to operate reliably even in rainy or winter months, but prolonged periods of low sunlight may reduce performance.

Durability and Weather Resistance:

The light is constructed with robust ABS material and has an**IP65 waterproof rating**, making it resistant to rain, heat, and frost. No special weather-proofing maintenance is typically required beyond ensuring proper installation and avoiding physical damage.

Image: Visual representation of the light's IP65 waterproof rating under rain, and its heat and frost resistance in different weather conditions.

Troubleshooting

If you encounter issues with your Lepro Solar Motion Sensor Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	◦ Insufficient solar charging. ◦ Light switch is OFF. ◦ Motion sensor obstructed or faulty. ◦ Installed in a bright area (daytime or artificial light).	◦ Ensure solar panel receives 6+ hours of direct sunlight daily. Clean the panel. ◦ Check the ON/OFF switch or remote control setting. ◦ Clear any obstructions from the motion sensor. ◦ Relocate the light to a darker area or ensure no other light sources interfere with the sensor.
Light stays dim or turns off too quickly.	◦ Insufficient charge. ◦ DIM-AUTO mode selected. ◦ Motion not continuously detected.	◦ Allow more charging time in direct sunlight. ◦ Switch to AUTO mode if full brightness is desired only upon motion. ◦ Ensure motion is within the sensor's range and angle.
Remote control not working.	◦ Remote battery depleted. ◦ Obstruction between remote and light.	◦ Replace the remote control battery. ◦ Ensure a clear line of sight between the remote and the light unit.
Light is not as bright as expected.	◦ Partial charge. ◦ Light heads not adjusted correctly.	◦ Allow for a full day of charging. ◦ Adjust the three light heads to direct light where needed for maximum perceived brightness.

Specifications

Feature	Detail
Brand	Lepro
Model Number	PR640005-DW-2
Brightness	1000 Lumens
Color Temperature	6500K (Cool White)
Power Source	Solar Powered
Motion Sensor Range	0-8 meters
Motion Sensor Angle	120 degrees
Lighting Angle (Adjustable Heads)	Up to 270 degrees

Feature	Detail
Waterproof Rating	IP65
Material	Plastic (ABS)
Product Dimensions	14 x 12 x 11 cm; 1.03 kg
Battery Type	1 Lithium Ion battery (required)
Color	Black
Specific Uses	Garden, Yard, Pathway, Patio

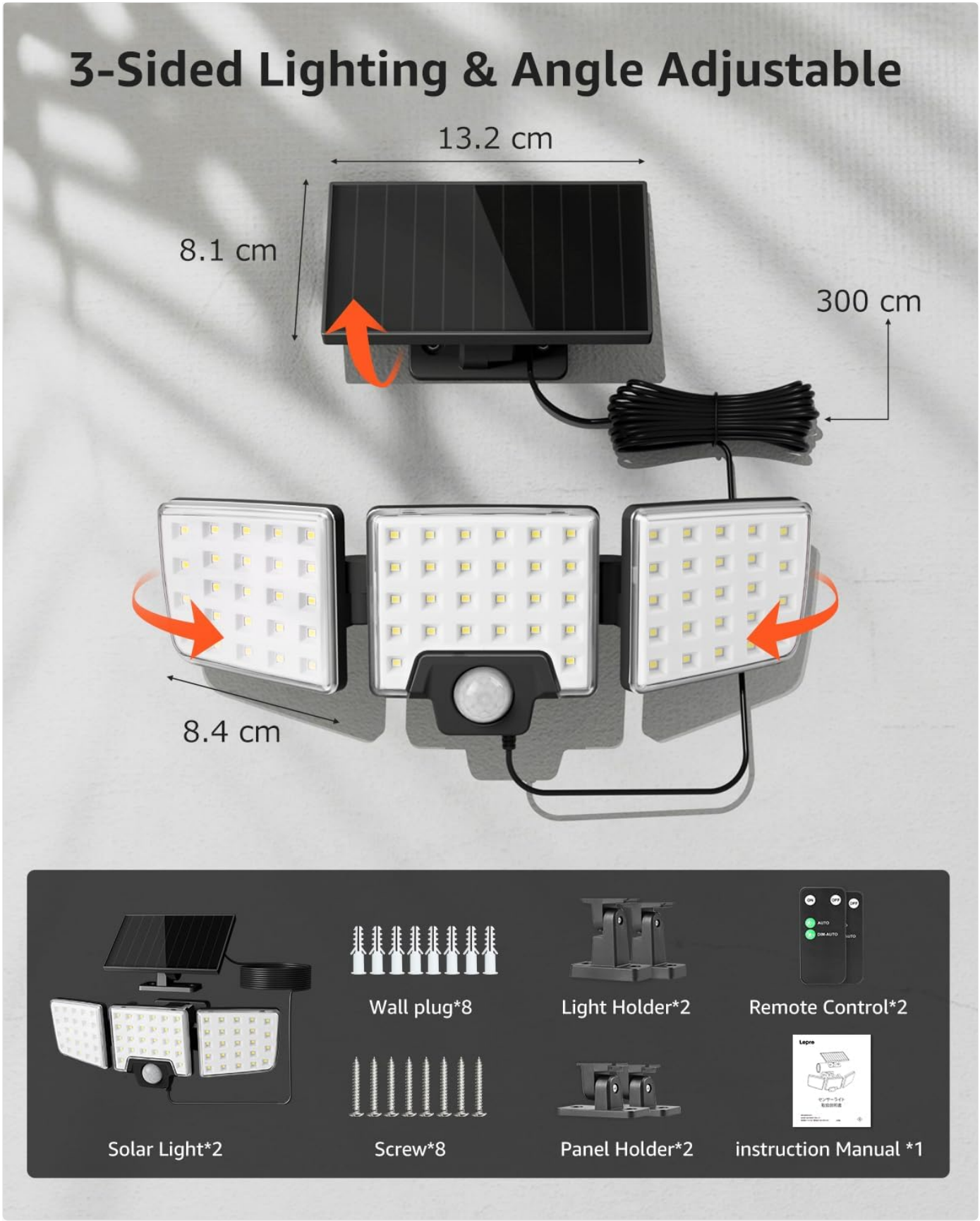

Image: Detailed diagram showing the dimensions of the solar panel and light heads, along with a list of included components such as screws, wall plugs, light holders, panel holders, remote control, and the instruction manual.

Warranty and Support

Lepro is committed to providing reliable and satisfying lighting products. For specific warranty information, including duration and terms, please refer to the product packaging or the official Lepro website. Typically, warranty details cover manufacturing defects and product malfunctions under normal use.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Lepro customer service through their official channels. Contact information can usually be found on the product packaging, the brand's official website, or the retailer's support page where the product was purchased.
You can visit the Lepro Store on Amazon for more information and product updates.