

Deepn LA060W-1

Deepn Solar Street Light LA060W-1 User Manual

Model: LA060W-1

1. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the Deepn Solar Street Light. Retain this manual for future reference.

- **Installation:** Ensure the mounting surface is stable and can support the weight of the light. Avoid installing near flammable materials or in areas prone to excessive heat.
- **Electrical Safety:** Although solar-powered, avoid tampering with internal wiring. Do not attempt to open or modify the solar light or its battery compartment.
- **Battery Handling (Remote Control):** The remote control uses AAA batteries. Insert them correctly, observing polarity (+/-). Do not mix old and new batteries or different types of batteries. Dispose of used batteries responsibly.
- **Temperature:** The light is designed to operate within a temperature range of -5°F to 149°F (-20°C to 65°C). Operating outside this range may affect performance or damage the unit.
- **Water Resistance:** The product is IP66 waterproof, meaning it is protected against powerful water jets. However, it is not designed for submersion.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- Deepn Solar Street Light (2 units)
- Mounting Hardware (screws, anchors)
- Remote Control (2 units)
- AAA Batteries for Remote Control (4 units)



Image: Contents of the Deepn Solar Street Light package, showing two lights, mounting brackets, remote controls, and installation accessories.

3. PRODUCT OVERVIEW

The Deepn Solar Street Light LA060W-1 is an outdoor lighting solution featuring solar charging, motion sensing, and remote control capabilities. It is designed for various outdoor applications such as yards, entryways, garages, and porches.

Key Features:

- **High Brightness:** Equipped with 330 high-efficiency 5730 SMD lamp beads, providing up to 990 lumens and illuminating an area of up to 1800 square feet.
- **Solar Powered:** Utilizes a 25% conversion rate solar panel for efficient charging during the day, offering dusk-to-dawn operation without electricity costs.
- **Intelligent Control:** Features a motion sensor and remote control for customizable lighting modes and brightness levels.
- **Durable Design:** Constructed with a high-quality ABS frame and die-cast aluminum bracket, rated

IP66 waterproof and resistant to extreme temperatures (-5°F to 149°F).

Components:



Image: Detailed view of the solar street light, highlighting the 330 lamp beads, 25% conversion rate solar panel, power display indicator, radar sensor receiver, and ON/OFF button.

- **Solar Panel:** Located on the top surface, converts sunlight into electrical energy.
- **LED Lamp Beads:** Provide illumination.
- **Radar Sensor Receiver:** Detects motion for automatic brightness adjustment.
- **Power Display Indicator:** Shows the current battery charge level.
- **ON/OFF Button:** Manual power control.

Dimensions:



Image: Front and back views of the solar street light with dimensions: 15.7 inches (length) x 7.08 inches (width), and the mounting arm is 11.81 inches long.

- **Product Dimensions:** 15.75"L x 7.09"W x 1.97"H
- **Mounting Arm Length:** Approximately 11.81 inches

4. SETUP AND INSTALLATION

Follow these steps for proper installation to ensure optimal performance.

4.1 Choosing an Installation Location

The performance of your solar light depends heavily on sunlight exposure. Choose a location that receives direct sunlight for at least 6-8 hours daily.

- Avoid areas shaded by trees, buildings, or other obstructions.
- Ensure the solar panel faces the sun for maximum charging efficiency.



Image: Illustration demonstrating ideal installation in full sun and avoiding shaded areas for best solar charging performance.

4.2 Mounting the Light

The Deepn Solar Street Light can be mounted on a wall, pole, or other suitable outdoor structure. The recommended installation height is between 10 to 20 feet for optimal lighting coverage.

WORKING IN BAD WEATHER

Working Temperature Range -2°F-149°F



IP66 Waterproof



Heat Resistant



Cold Resistant

Installation Height
10-20ft

Lighting Range
500-1000sq.ft

Image: A Deepn Solar Street Light mounted on a garage wall, illustrating its weather resistance and recommended installation height and lighting range.

1. **Assemble the Mounting Arm:** Attach the mounting arm to the back of the solar light using the provided screws.
2. **Mark Drill Holes:** Hold the assembled light with the mounting arm against the desired installation surface. Use a pencil to mark the positions for drilling.
3. **Drill Holes:** Drill holes at the marked positions. For masonry or concrete, use a drill bit appropriate for the provided anchors.
4. **Insert Anchors:** Insert the expansion anchors into the drilled holes (if applicable).
5. **Secure the Light:** Align the mounting arm with the drilled holes and secure the light using the provided screws. Ensure it is firmly attached.

No wiring is required for installation, making it suitable for various outdoor locations.

5. OPERATING INSTRUCTIONS

The Deepn Solar Street Light operates automatically from dusk to dawn and can be controlled via the included remote.

5.1 Initial Activation and Charging

Before first use, ensure the light is placed in direct sunlight for 6-8 hours to allow the internal battery to fully charge. The light will automatically turn on at dusk and turn off at dawn once activated.



Image: Illustration of the solar light's operation, showing daytime charging and automatic nighttime illumination.

5.2 Remote Control Operation

The remote control allows you to select different lighting modes and adjust brightness.

MOTION SENSOR & TIMER LIGHTING



Turn On Light
Turn Off Light

Radar Sensor Mode

Brightness fixed at the 25%/50%/75%/100%

Timer Lighting 2/3/5/6/8 Hours

1.5V AAA

1.5V AAA

1. Please insert the 2 batteries (1.5V AAA type). Make sure that the positive and negative ends are facing in the correct direction. The control distance of the remote is 16ft (5M).
2. After being turned on by the remote, the lights will automatically turn on at dusk and turn off at dawn.

Image: The remote control for the solar street light, detailing its buttons for power, radar sensor mode, and timer settings.

1. **Insert Batteries:** Open the battery compartment on the back of the remote control. Insert two 1.5V AAA batteries, ensuring correct polarity. The remote control distance is up to 20 feet (6 meters).
2. **ON/OFF:** Press the **ON** button to turn on the solar light (100% brightness). Press the **OFF** button to turn off the solar light. When turned off, it will automatically turn on at dusk the next day.
3. **Motion Sensor Mode (Radar Motion Sensor):** Press the radar icon button. In this mode, the light will maintain 30% brightness when no motion is detected. When motion is detected, it will switch to 100% brightness. After motion ceases, it will return to 30% brightness.
4. **Brightness Level:** Use the 25%, 50%, 75%, 100% buttons to fix the brightness level. This overrides the motion sensor function if activated.
5. **Timer Mode:** Select 2H, 3H, 5H, 6H, or 8H to set the light to operate at 100% brightness for the specified duration after dusk. After the timer expires, the light will turn off or revert to the previously selected mode (if not in 'Always 100%' mode).

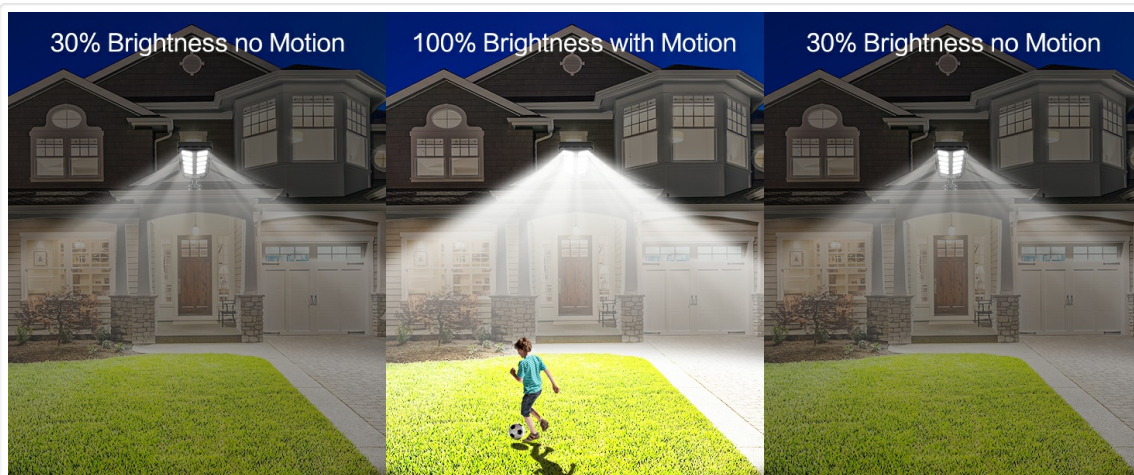


Image: Visual representation of the motion sensor mode, showing the light dimming and brightening based on detected movement.

6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your solar street light.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Inspect Mounting:** Check the mounting screws and brackets periodically to ensure the light remains securely attached.
- **Battery (Remote Control):** Replace AAA batteries in the remote control when its range or responsiveness decreases.

7. TROUBLESHOOTING

If you encounter issues with your Deepn Solar Street Light, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel if dirty.
	Light is in OFF mode.	Press the ON button on the remote control.
Light is dim or only stays on for a short time.	Insufficient solar charge.	Relocate the light to an area with more direct sunlight. Ensure the solar panel is clean.
Remote control is not working.	Dead or incorrectly inserted batteries.	Replace AAA batteries in the remote control, ensuring correct polarity.

Problem	Possible Cause	Solution
	Obstruction between remote and light.	Ensure a clear line of sight between the remote and the light's sensor.
Motion sensor is not detecting movement.	Sensor obstructed or dirty.	Clean the sensor area. Ensure no objects are blocking the sensor's field of view.

8. SPECIFICATIONS

Feature	Specification
Brand	Deepn
Model Name	Solar Street Light LA060W-1
Light Source Type	LED (330 SMD lamp beads)
Color Temperature	6500 Kelvin (Daylight White)
Brightness	990 Lumens (up to 1800 sq.ft. coverage)
Power Source	Solar Powered
Voltage	12 Volts (DC)
Water Resistance Level	IP66 Waterproof
Material	ABS Plastic, Die-cast Aluminum
Operating Temperature	-5°F to 149°F (-20°C to 65°C)
Control Method	Remote Control, Motion Sensor
Product Dimensions	15.75"L x 7.09"W x 1.97"H
Item Weight	8.4 pounds
Batteries (Remote)	2 AAA batteries (included)

9. WARRANTY AND SUPPORT

Deepn offers a 2-year limited warranty for the Solar Street Light LA060W-1, covering defects in materials and workmanship under normal use. This warranty period is based on information from customer feedback and may vary. Please retain your purchase receipt as proof of purchase.

For Warranty Claims or Technical Support:

If you experience any issues with your product or have questions, please contact Deepn customer

support through the retailer's platform where you purchased the item. Provide your order number and a detailed description of the issue for prompt assistance.

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