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Gefolly SL-6800W

Gefolly SL-6800W Solar Street Light User Manual

Model: SL-6800W

1. Introduction

Thank you for choosing the Gefolly SL-6800W Solar Street Light. This product is designed to provide efficient and reliable outdoor illumination using solar energy. It features a wide-angle lighting design, multiple operating modes, and a durable, waterproof construction. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your solar light.



Figure 1: Gefolly SL-6800W Solar Street Light in operation.

2. Safety Information

- Ensure the solar panel receives direct sunlight for optimal charging. Avoid shaded areas.
- Do not disassemble, modify, or attempt to repair the light. Contact customer support for assistance.
- Keep the light away from fire or extreme heat sources.
- Dispose of batteries according to local regulations. Do not incinerate.
- Ensure all mounting hardware is securely fastened to prevent the light from falling.
- Avoid direct eye exposure to the LED light source when illuminated.

3. Package Contents

Verify that all components are present in the package:

- Gefolly SL-6800W Solar Street Light Unit

- Remote Control
- Mounting Hardware (screws, expansion bolts, pole/wall bracket)
- User Manual



Figure 2: Main components of the Gefolly SL-6800W Solar Street Light package.

4. Product Features

- **High Brightness:** Equipped with 192 super bright LED beads, providing 6500K daylight white light.
- **Energy Efficient:** Solar-powered with a 33000mAh battery, eliminating electricity costs.
- **Wide-Angle Illumination:** Three-way panel design offers broad light distribution, covering up to 3400 square feet.
- **Durable & Waterproof:** IP67 waterproof rating ensures reliable operation in various weather conditions.
- **Smart Control:** Features 3 lighting modes (Always Bright, Motion Sensing, Timer) and adjustable brightness (10%-100%) via remote control.
- **Long Working Time:** Up to 20 hours of illumination on a full charge, or approximately 40 hours in dim mode.
- **Easy Installation:** Wireless design with included wall and pole mounting accessories.

5. Specifications

Attribute	Specification
Model Name	SL-6800W
Brand	Gefolly
Light Source Type	LED (192 beads)
Color Temperature	6500K (Daylight White)
Brightness	6000 Lumens
Battery Capacity	33000mAh (6 Lithium Polymer batteries included)
Water Resistance	IP67
Material	Aluminum
Product Dimensions	26.77"L x 13.78"W x 3.15"H
Item Weight	12.2 Pounds
Power Source	Solar Powered

Installation Type	Wall Mount / Pole Mount
Control Method	Remote Control

6. Setup and Installation

The Gefolly SL-6800W solar street light is designed for easy, wireless installation. No electrical wiring is required.

6.1 Choosing an Installation Location

- Select a location that receives direct sunlight for at least 6-8 hours daily to ensure optimal battery charging.
- Avoid areas under trees, eaves, or other obstructions that may shade the solar panel.
- Consider the desired lighting area and mount the light at an appropriate height for maximum coverage.

6.2 Mounting Instructions

1. **Prepare the Mounting Surface:** Whether mounting on a wall or a pole, ensure the surface is sturdy enough to support the light's weight.
2. **Mark Drill Holes:** Use the provided bracket as a template to mark the positions for drilling holes.
3. **Drill Holes:** Drill holes at the marked positions. For masonry or concrete, insert the expansion bolts.
4. **Attach Bracket:** Securely fasten the mounting bracket to the wall or pole using the screws and bolts.
5. **Mount the Light:** Attach the solar street light unit to the installed bracket. Ensure it is firmly secured and angled correctly for optimal light distribution and solar charging.



Figure 3: Examples of wall and pole mounting for the solar street light.

7. Operating Instructions

The Gefolly SL-6800W solar street light operates automatically, turning on at dusk and off at dawn. It charges during the day via its integrated solar panel.

7.1 Initial Activation

Upon first installation, ensure the light is exposed to direct sunlight for at least one full day (6-8 hours) to allow the battery to charge sufficiently before its first night operation.

7.2 Automatic Operation

The built-in light sensor detects ambient light levels. When it gets dark, the light will automatically turn on according to the selected mode. When daylight returns, it will turn off and begin charging.

8. Remote Control Functions

The included remote control allows you to customize the light's operation. Ensure the remote is pointed towards the light's sensor for effective communication.



Figure 4: Remote control for the solar street light.

8.1 Lighting Modes

- **Mode 1: Always Bright** - The light will stay on at a constant brightness level from dusk till dawn.
- **Mode 2: Motion Sensing** - The light will remain dim and brighten to full intensity when motion is detected. It will return to dim after a period of no motion.
- **Mode 3: Timer Setting** - Allows you to set the duration the light stays on after dusk (3H/5H/8H options). After the set time, the light will turn off or switch to motion sensing mode depending on the model.

8.2 Brightness Adjustment

Use the brightness buttons on the remote control to adjust the light intensity from 10% to 100% to suit your needs.



Figure 5: Brightness adjustment using the remote control.

9. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your solar street light.

- **Clean Solar Panel:** Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures efficient charging.
- **Inspect Mounting:** Check the mounting hardware periodically to ensure it remains secure.
- **Battery Care:** The integrated lithium polymer batteries are designed for long life. Avoid prolonged storage in a completely discharged state.
- **Environmental Factors:** While IP67 rated, extreme weather conditions (e.g., heavy snow accumulation on the panel) may temporarily affect performance.



Figure 6: The light's IP67 waterproof design for outdoor durability.

10. Troubleshooting

If you encounter issues with your Gefolly SL-6800W solar street light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is clean and receives 6-8 hours of direct sunlight daily. Relocate if necessary.
Light is dim or turns off too early.	Battery not fully charged or aging battery.	Verify solar panel exposure and cleanliness. Allow several sunny days for full charge. If problem persists after years of use, battery capacity may have diminished.
Motion sensor not working.	Incorrect mode selected or sensor obstructed.	Ensure 'Motion Sensing' mode is active via remote. Clear any obstructions around the sensor.
Remote control not responding.	Remote battery low or line of sight blocked.	Replace remote control batteries. Ensure direct line of sight between remote and light's sensor.

11. Warranty and Support

Gefolly provides a comprehensive warranty for the SL-6800W Solar Street Light:

- **120-Day Money Back Guarantee:** If you are not satisfied with your purchase, you may return it within 120 days for a full refund.
- **3-Year Product Maintenance:** The product is covered by a 3-year maintenance policy from the date of purchase, addressing manufacturing defects and functional issues under normal use.

For warranty claims, technical support, or any questions regarding your Gefolly solar street light, please contact our customer service team through the retailer's platform or the official Gefolly website. Please have your purchase details and model number ready when contacting support.

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