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L844150

Generic L844150 150W Solar LED Street Light User Manual

Model: L844150

1. Introduction

Thank you for choosing the Generic L844150 150W Solar LED Street Light. This product is designed to provide efficient and sustainable outdoor illumination using solar energy. This manual provides essential information for the safe installation, operation, and maintenance of your solar street light. Please read it thoroughly before use and retain it for future reference.

2. Safety Instructions

To ensure safe operation and prevent damage, please observe the following precautions:

- Always handle the product with care.
- Do not attempt to disassemble or modify the light fixture or solar panel. This may void the warranty and cause damage.
- Ensure the mounting surface is stable and can support the weight of the light fixture.
- Keep the solar panel clean to ensure optimal charging efficiency.
- Do not look directly into the LED light when it is illuminated, as it may cause eye strain.
- Keep away from open flames or extreme heat sources.
- Dispose of the product according to local regulations at the end of its lifespan.

3. Package Contents

Please check the box to ensure all components are present:

- 1x Solar Street Light Fixture
- 1x Integrated Solar Panel
- 1x Remote Control

- 1x Set of Mounting Hardware
- 1x User Manual (this document)

4. Product Features

- **High Efficiency Solar Power:** 150W output with an integrated solar panel for renewable energy use.
- **Durable Weatherproof Design:** IP65 rating ensures complete dust-tight sealing and water resistance for all outdoor conditions.
- **Long-Lasting LED Illumination:** Features a 50,000-hour LED lifespan, providing cool white 6500K light with a 120-degree beaming angle for wide coverage.
- **Intelligent Control:** Equipped with intelligent light control (dusk-to-dawn sensor), wireless remote control, and a time switch function for convenient operation.
- **Versatile Application:** Suitable for various outdoor settings including courtyards, garages, basements, streets, self-built housing, shops, hotels, and farms.
- **Robust Construction:** Made from Aluminium Alloy, Polycrystalline Silicon, and Tempered Glass.

5. Setup and Installation

The L844150 solar street light is designed for pole mounting. Ensure you have the necessary tools (e.g., wrench, drill) for secure installation.

1. **Choose Location:** Select a location that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging of the solar panel. Avoid areas shaded by trees, buildings, or other obstructions.
2. **Prepare Mounting Pole:** Ensure the mounting pole is sturdy and capable of supporting the light fixture's weight (approximately 1 kg). The recommended mounting height is typically 3-5 meters for optimal light distribution.
3. **Attach Bracket:** Secure the mounting bracket (if separate) to the pole using the provided mounting hardware. Ensure it is firmly tightened.
4. **Mount Light Fixture:** Carefully attach the solar street light fixture to the mounting bracket. Align the holes and secure it with the provided bolts and nuts. Double-check all connections to ensure the light is stable and secure.
5. **Adjust Angle (if applicable):** If your fixture allows, adjust the angle of the solar panel to face the sun directly for maximum exposure throughout the day.





Image 1: The L844150 Solar LED Street Light, typically mounted on a pole for outdoor illumination.

6. Operation

The L844150 solar street light features intelligent light control and can also be operated via the included remote control.

6.1 Initial Activation

Upon first installation, allow the solar light to charge for at least 6-8 hours in direct sunlight before its first use. The light may not operate at full brightness immediately if the battery is not fully charged.

6.2 Intelligent Light Control (Automatic Mode)

The light is equipped with a dusk-to-dawn sensor. In automatic mode, the light will:

- Automatically turn on at dusk when ambient light levels are low.
- Automatically turn off at dawn when ambient light levels are sufficient.

6.3 Remote Control Operation

Use the provided wireless remote control to manually adjust settings:

- **ON/OFF:** Manually turn the light on or off.
- **Brightness Adjustment:** Adjust the light intensity (if available on remote).
- **Time Switch:** Set the light to operate for a specific duration (e.g., 3H, 5H, 8H) after activation, after which it will turn off. Refer to the remote control's specific buttons for these functions.
- **Auto Mode:** Re-engage the intelligent light control (dusk-to-dawn) function.

Note: Ensure the remote control has working batteries and is pointed towards the light's receiver for effective operation.

7. 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 maximum sunlight absorption and charging efficiency. Do not use abrasive cleaners.
- **Inspect Fixture:** Annually inspect the light fixture and mounting hardware for any signs of wear, corrosion, or looseness. Tighten any loose screws or bolts.
- **Clear Obstructions:** Ensure no new obstructions (e.g., growing tree branches) are shading the solar panel.

8. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on at night.	• Insufficient solar charge. • Solar panel is dirty or obstructed. • Light is in OFF mode via remote. • Faulty sensor.	• Ensure solar panel receives 6-8 hours of direct sunlight. • Clean the solar panel and remove any obstructions. • Use the remote control to turn the light ON or set to AUTO mode. • Contact customer support if problem persists after troubleshooting.
Light is dim or only stays on for a short period.	• Insufficient solar charge. • Battery capacity reduced due to age or extreme temperatures.	• Ensure optimal solar panel exposure and cleanliness. • Allow several sunny days for full charge. • Consider battery replacement if outside warranty and performance significantly degrades.
Remote control not working.	• Dead batteries in remote. • Obstruction between remote and light.	• Replace remote control batteries. • Ensure clear line of sight to the light's receiver.

9. Specifications

Model Number	L844150
Wattage	150W
Power Source	Solar Powered
Material	Aluminium Alloy, Polycrystalline Silicon, Tempered Glass
Dimensions (L x W x H)	45L x 25W x 80H centimetres
Item Weight	1 Kilogram
Light Source	LED
Color Temperature	6500K (Cool White)
Beaming Angle	120 Degrees
Lifespan	50,000 hours (LED)
IP Rating	IP65 (Dust-tight, Water-resistant)
Control Method	Intelligent Light Control, Wireless Remote Control
Mounting Type	Pole Mount

10. Warranty and Support

This Generic L844150 Solar LED Street Light comes with a**2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
The warranty does not cover damage caused by:

- Improper installation or use.
- Accident, abuse, neglect, or natural disasters.
- Unauthorized repairs or modifications.

For warranty claims or technical support, please contact your retailer or the point of purchase with your proof of purchase.

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