

OHLUX QP6012SA

OHLUX ST38 Solar Replacement Bulbs Instruction Manual

Model: QP6012SA

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1. INTRODUCTION

This manual provides instructions for the OHLUX ST38 Solar Replacement Bulbs. These bulbs are designed for low-voltage solar string light systems (3V DC) and feature a durable, shatterproof, and waterproof construction. They emit an ultra-warm 2200K light, ideal for creating a cozy outdoor ambiance. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your bulbs.

2. IMPORTANT SAFETY INFORMATION

Please observe the following safety precautions to prevent damage to the product or injury to yourself:

- **Voltage Compatibility:** These bulbs are designed exclusively for **3V DC low-voltage solar systems**. Do not attempt to use them with standard household AC voltage (e.g., 120V or 240V) or any other voltage system. Using incorrect voltage will damage the bulbs and may pose a fire hazard.
- **Installation:** Ensure the power to the solar string light system is OFF before installing or replacing bulbs.
- **Handling:** Although shatterproof, handle bulbs with care to avoid damage to the internal LED filament.
- **Water Resistance:** The bulbs are IP65 water-resistant, suitable for outdoor use. However, avoid submerging them in water.
- **Disposal:** Dispose of old or damaged bulbs according to local regulations for electronic waste.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- OHLUX ST38 Solar Replacement Bulbs (4-Pack)



Image: Four OHLUX ST38 solar replacement bulbs, showing their design and packaging.

4. PRODUCT SPECIFICATIONS

Feature	Specification
Brand	OHLUX
Model Name	QP6012SA
Light Type	LED
Bulb Shape Size	C7 (ST38)
Bulb Base	E12
Voltage	3 Volts DC
Power Consumption	0.2 Watts
Light Color	Warm White
Color Temperature	2200 Kelvin
Color Rendering Index (CRI)	85
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered (Low Voltage)

Feature	Specification
Material Type	Plastic
Special Features	Energy Efficient, Shatterproof, IP65 Water-Resistant, Dimmable (10%-100%)



Image: OHLUX ST38 bulb highlighting 3V compatibility and E12 base.

5. SETUP AND INSTALLATION

These bulbs are designed for quick and easy replacement in compatible solar string light systems.

1. **Verify Compatibility:** Ensure your existing solar string light system operates on **3V DC** and uses **E12 base bulbs**. These bulbs are not compatible with standard AC plug-in string lights.
2. **Power Off:** Before beginning, ensure the solar string light system is completely powered off. If it has a manual switch, turn it to the "OFF" position.
3. **Remove Old Bulb:** Carefully unscrew the old bulb from its socket.
4. **Install New Bulb:** Gently screw the OHLUX ST38 replacement bulb into the empty E12 socket until it is snug. Do not overtighten.
5. **Test:** Once all desired bulbs are replaced, turn the solar string light system back on to test functionality.



Image: OHLUX ST38 bulbs installed in an outdoor solar string light setup.

6. OPERATION

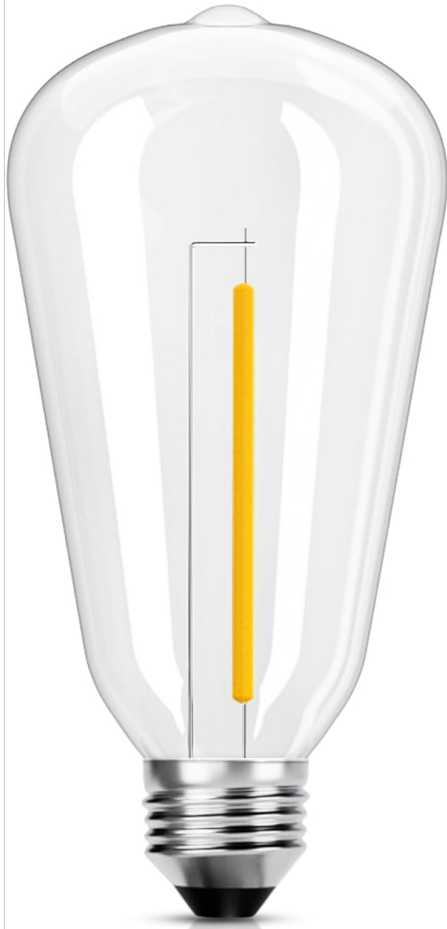
These replacement bulbs operate in conjunction with your existing solar string light system. Their functionality is dependent on the solar panel and control unit of your string lights.

- **Automatic Operation:** Typically, solar string lights automatically turn on at dusk and off at dawn, provided the solar panel receives sufficient sunlight during the day to charge its battery.
- **Dimmable Feature:** These bulbs are designed to be dimmable from 10% to 100%. If your solar string light system includes a dimming function, these bulbs will respond accordingly. Refer to your solar string light system's manual for dimming instructions.
- **Warm White Glow:** The 2200K ultra-warm white light provides a soft, inviting ambiance.



Image: OHLUX ST38 bulbs showcasing their 2200K ultra-warm glow.

Compatible Voltage: 3V




Not for Plug-in
Strings Light

Image: OHLUX ST38 bulbs demonstrating dimmable capability.

7. CARE AND MAINTENANCE

Proper care ensures the longevity and optimal performance of your OHLUX ST38 bulbs.

- **Cleaning:** Wipe the bulbs periodically with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Regularly inspect the bulbs and sockets for any signs of wear or damage. Replace any damaged bulbs promptly.
- **Storage:** If storing the string lights for an extended period, ensure the bulbs are clean and dry. Store them in a cool, dry place away from direct sunlight.



ST38 Solar Replacement Bulbs for String Lights










 Plastic Bulbs	 No flickering	 Energy Saving
 Indoor/Outdoor Use	 IP65 Waterproof	 Voltage: 3V
 Color Temperature: 2200K	 CRI 85+	 Dimmable

Image: OHLUX ST38 bulbs demonstrating IP65 waterproof and shatterproof features in various weather conditions.

8. TROUBLESHOOTING

If you encounter issues with your OHLUX ST38 bulbs, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Bulb does not light up.	<ol style="list-style-type: none">1. Bulb not screwed in properly.2. Incorrect voltage supply.3. Solar panel not charging.4. Faulty bulb.	<ol style="list-style-type: none">1. Ensure the bulb is securely tightened in the socket.2. Confirm your string light system is 3V DC. Do not use with AC power.3. Check the solar panel for obstructions and ensure it receives direct sunlight.4. Replace with a new OHLUX ST38 bulb.
Bulb flickers.	<ol style="list-style-type: none">1. Loose connection.2. Low battery charge in solar system.	<ol style="list-style-type: none">1. Tighten the bulb in its socket.2. Allow the solar panel to charge fully in direct sunlight.
Lights turn off too quickly.	Insufficient solar panel charging.	Ensure the solar panel is clean and positioned to receive maximum direct sunlight throughout the day.

9. WARRANTY AND SUPPORT

OHLUX provides a **1-year warranty** for these ST38 bulbs from the date of purchase. This warranty covers manufacturing defects under normal use.

The warranty does not cover damage caused by:

- Improper installation or use with incompatible voltage systems.
- Accidents, abuse, neglect, or natural disasters.
- Unauthorized repairs or modifications.

For warranty claims or technical support, please contact OHLUX customer service through the retailer where the product was purchased or visit the official OHLUX website for contact information.

Manufacturer: OHLUX

Model Number: QP6012SA