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## Volteck SL-7L

# Volteck SL-7L Outdoor LED String Lights User Manual

Model: SL-7L

## 1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Volteck SL-7L Outdoor LED String Lights. Please read this manual thoroughly before use and retain it for future reference. The Volteck SL-7L is a 7.3-meter (24 ft) series of 12 LED lights designed for outdoor use, featuring a durable PVC cable and lamp holders, and controlled via a remote.

## 2. SAFETY INFORMATION

- **Read all instructions:** Before installation and use, carefully read and understand all safety warnings and operating instructions.
- **Outdoor Use Only:** This product is designed for outdoor use. Ensure all connections are secure and protected from moisture.
- **Power Source:** Connect to a 127 Volt, 60 Hz power supply only. Do not overload circuits.
- **Installation:** Install the string lights securely. Do not hang the lights by the main electrical cord. Use appropriate mounting hardware.
- **Bulb Replacement:** Always unplug the string lights from the power source before replacing bulbs. Use only LED filament bulbs of the specified wattage (12 watts total for the series).
- **Damage Inspection:** Regularly inspect the cable, plug, and lamp holders for any damage. Do not use if damaged.
- **Water Exposure:** While rated IP65 for protection against dust and low-pressure water jets, avoid submerging the lights in water.
- **Children and Pets:** Keep the product out of reach of children and pets.

## 3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon opening the package:

- 1 x Volteck SL-7L LED String Lights (7.3 meters with 12 sockets)
- 12 x LED Filament Bulbs (Note: Product specifications indicate 10 x LED Filament Bulbs, but the string has 12)

sockets. Please ensure you have 12 bulbs for all sockets.)

- 1 x Remote Control (for models with remote functionality)



**Figure 3.1:** Packaging of the Volteck SL-7L LED String Lights. The box displays key features such as 7.3m length, 12 sockets, LED bulbs, and a 3-year warranty.

## 4. PRODUCT OVERVIEW

Familiarize yourself with the components of your Volteck SL-7L LED String Lights:



**Figure 4.1:** Labeled components of the Volteck SL-7L LED String Lights. This image shows the PVC cable, PVC lamp holders, LED lamps, the main plug, and a receptacle for connecting multiple series (up to 50 maximum).

## Serie de 7.3 m



**Figure 4.2:** Dimensions of the Volteck SL-7L LED String Lights. The total length is 7.3 meters, with a separation of 55 cm between each socket.

## 5. SPECIFICATIONS

Feature	Specification
Brand	Volteck
Model Number	SL-7L
Indoor/Outdoor Usage	Outdoor
Light Source Type	LED Filament Bulbs
Power Source	Corded Electric
Light Color	White (Warm Light)
Number of Light Sources	12
Voltage	127 Volts
Wattage	12 watts (total for the series)

Feature	Specification
Total Length	7.3 meters (24 feet)
Socket Separation	55 cm
Control Method	Remote Control
Protection Rating	IP65
Item Weight	1.3 Kilograms (2.86 pounds)
Product Dimensions (L x W x H)	2.87 x 4.72 x 4.92 inches (individual bulb/socket dimensions)

## Grado de protección (IP)



**Figure 5.1:** Explanation of the IP65 protection rating. The first digit '6' indicates total protection against dust. The second digit '5' indicates protection against low-pressure water jets from any direction.

## 6. SETUP AND INSTALLATION

Follow these steps for safe and proper installation:

- 1. Unpack:** Carefully remove the string lights and all components from the packaging.

2. **Inspect:** Before plugging in, inspect the entire string for any signs of damage to the cable, sockets, or bulbs. Do not proceed if damage is found.
3. **Plan Placement:** Determine the desired location for your string lights. Ensure the power outlet is within reach of the plug and protected from direct water exposure if not rated for outdoor use.
4. **Mounting:** Securely hang the string lights using appropriate outdoor-rated hooks, clips, or guide wires. Do not use the electrical cable itself to bear the weight of the lights. Ensure the lights are not twisted or tangled.
5. **Install Bulbs:** Gently screw each LED filament bulb into its respective socket. Ensure bulbs are fully seated but do not overtighten.
6. **Connect to Power:** Once the string lights are securely mounted and all bulbs are installed, plug the main power plug into a suitable 127V outdoor-rated electrical outlet.
7. **Daisy-Chaining (Optional):** If connecting multiple sets, ensure the total wattage does not exceed the maximum recommended load for your circuit. The receptacle at the end of the string allows for connecting up to 50 series maximum.



**Figure 6.1:** The Volteck SL-7L LED String Lights installed, showcasing the design and bulb appearance.



Figure 6.2: An example of the Volteck SL-7L LED String Lights illuminating an outdoor patio area, demonstrating their aesthetic effect.

## 7. OPERATING INSTRUCTIONS

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The Volteck SL-7L LED String Lights are operated via a remote control.

- **Power On/Off:** Use the 'ON' and 'OFF' buttons on the remote control to turn the lights on or off.
- **Mode Selection:** The remote control may offer various lighting modes (e.g., steady on, flashing, dimming). Refer to the remote's specific buttons for mode selection.
- **Remote Range:** Ensure the remote control is pointed towards the receiver on the string lights for optimal functionality.

## 8. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your string lights.

- **Cleaning:** Disconnect from power before cleaning. Wipe the bulbs and cables with a soft, dry cloth. Do not

use abrasive cleaners or immerse in water.

- **Bulb Replacement:** If a bulb burns out, unplug the string lights. Carefully unscrew the old bulb and screw in a new LED filament bulb of the same type and wattage. Ensure the new bulb is securely seated.
- **Storage:** When not in use for extended periods, unplug the lights, clean them, and store them in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Seasonal Inspection:** Before each season of use, inspect the entire string for any wear, fraying, or damage to the cable, sockets, or plug.

## 9. TROUBLESHOOTING

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If you encounter issues with your Volteck SL-7L LED String Lights, refer to the following common problems and solutions:

- **Lights do not turn on:**
  - Check if the string lights are securely plugged into a working power outlet.
  - Verify that the power outlet is receiving power (test with another appliance).
  - Ensure the remote control batteries are not depleted and are inserted correctly.
  - Check for any loose bulbs; tighten them if necessary.
  - Inspect the cable for any visible damage or breaks.
- **Some bulbs are not lighting up:**
  - Unplug the string lights and replace the non-working bulbs with new ones.
  - Ensure bulbs are screwed in tightly.
- **Remote control is not working:**
  - Replace the batteries in the remote control.
  - Ensure there are no obstructions between the remote and the string lights' receiver.
  - Confirm the remote is within operating range.
- **Flickering lights:**
  - Check for loose connections at the plug or individual bulb sockets.
  - Ensure the power supply is stable.

If problems persist after attempting these solutions, contact customer support.

## 10. WARRANTY AND SUPPORT

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Volteck products are manufactured to high-quality standards. This product typically comes with a 3-year warranty against manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or replacement parts, please refer to the contact information provided on the product packaging or the official Volteck website.





## Related Documents - SL-7L

	<p><a href="#">Installation Instructions for Volteck Electrical Products</a></p> <p>Step-by-step installation guide for Volteck electrical products, including safety warnings and best practices for wiring and mounting.</p>
	<p><a href="#">Volteck Installation Instructions and Safety Warnings</a></p> <p>Provides step-by-step installation instructions and essential safety warnings for Volteck products, emphasizing electrical safety and proper handling.</p>
	<p><a href="#">Volteck Electrical Product Installation Instructions</a></p> <p>Provides step-by-step instructions for installing Volteck electrical products, including safety warnings and best practices for optimal results.</p>
	<p><a href="#">Volteck Electrical Outlet Installation Instructions</a></p> <p>Step-by-step guide for installing a Volteck electrical outlet, including safety warnings and best practices for use.</p>
	<p><a href="#">Volteck Electrical Product Installation Guide</a></p> <p>Instructions for installing a Volteck electrical product, including safety warnings and connection steps.</p>
	<p><a href="#">Installation Instructions for Electrical Product</a></p> <p>Step-by-step installation guide for an electrical product, including safety warnings and product specifications. Covers wiring, mounting, and electrical safety precautions.</p>