

LEONLITE 51989

LEONLITE Low Voltage Landscape Pathway Lights User Manual

Model: 51989

Brand: LEONLITE

1. INTRODUCTION

This user manual provides detailed instructions for the installation, operation, and maintenance of your LEONLITE Low Voltage Landscape Pathway Lights. Please read this manual thoroughly before installation and retain it for future reference.

These LED bollard path lights are designed for outdoor landscape lighting, offering a warm white illumination for driveways, gardens, and pathways, enhancing both aesthetics and safety.

2. PRODUCT FEATURES

- **Low Voltage Operation:** Safe 12-15V AC/DC input for outdoor use, reducing electrical hazards.
- **Durable Construction:** Made from high-quality die-cast aluminum, ensuring resistance to rust and corrosion for long-term outdoor performance.
- **Waterproof Design:** IP65 rated, providing excellent protection against dust and water jets, suitable for various weather conditions.
- **Glare-Free Illumination:** Designed with downward shining light to provide comfortable and effective pathway lighting without harsh glare.
- **Long Lifespan:** Integrated LED lights boast an estimated lifespan of 50,000 hours, minimizing the need for frequent replacements.
- **Warm White Light:** Emits a 3000K warm white light, creating a cozy and inviting ambiance for your outdoor spaces.

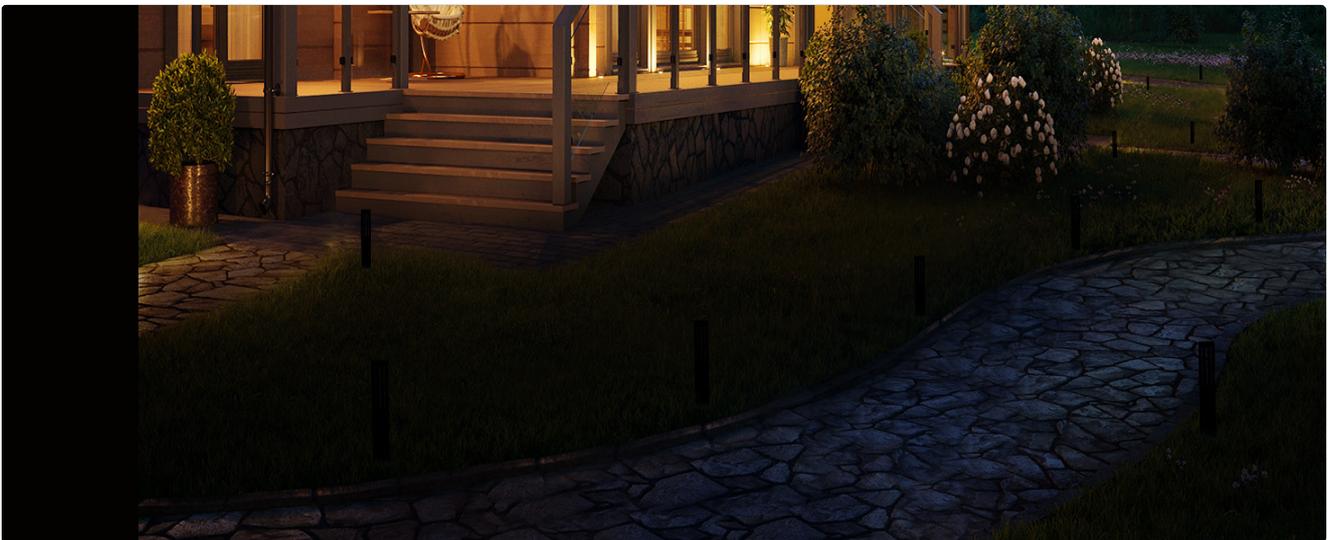
Low Voltage **01**

Safety Insurance

Illuminate your outdoor space safely with our exquisite low voltage pathway light. With a voltage range of 12V-15V AC/DC, it's perfect for households with children and pets. Give your little ones and furry friends the freedom to explore your yard without any worries.

AC/DC 12-15V IP65 160° 172LM

The lights are designed for safety and durability, featuring 12-15V AC/DC input, IP65 waterproof rating, 160-degree beam angle, and 172 lumens brightness.



The integrated LED light provides efficient and beautiful downward illumination, enhancing the visual appeal of your landscape.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged. If any parts are missing or damaged, please contact customer support.

- LEONLITE Low Voltage Landscape Pathway Lights (10-Pack)
- Ground Stakes
- User Manual

Note: Installation accessories such as transformers, main cables, wire connectors, or clips are NOT included and must be purchased separately.



The package includes 10 units of the LEONLITE Low Voltage Landscape Pathway Lights, each with a ground stake for secure placement.

4. SAFETY INFORMATION

To ensure safe operation and prevent damage, please adhere to the following safety guidelines:

- **Power Disconnection:** Always disconnect power to the landscape lighting system before performing any installation, maintenance, or troubleshooting.
- **Voltage Compatibility:** Ensure the voltage supply is strictly within the 12-15V AC/DC range. Connecting to higher voltage will damage the lights and void the warranty.
- **Water Exposure:** While IP65 rated for water resistance, do not submerge the lights in water.
- **Child and Pet Safety:** Keep children and pets away from the installation area to prevent accidents.
- **Component Compatibility:** Use only compatible low voltage landscape lighting transformers and cables.
- **Professional Assistance:** If you are unsure about any part of the installation process, consult a qualified electrician.

5. SETUP AND INSTALLATION

5.1 Tools and Materials (Not Included)

- Low Voltage Landscape Lighting Transformer
- Low Voltage Landscape Lighting Cable (e.g., 12-gauge or 14-gauge)
- Wire Connectors (waterproof recommended)
- Wire Strippers
- Shovel or Trowel (for digging shallow trenches)

5.2 Installation Steps

1. **Plan Layout:** Determine the desired locations for each pathway light. Consider spacing for optimal illumination (recommended spacing is approximately 4.9 feet between lights for even coverage).



This illustration shows the typical setup for a low voltage landscape lighting system, including the transformer, main wire, and recommended light spacing.

2. **Assemble Lights:** Attach the ground stake firmly to the bottom of each pathway light. Ensure it is securely fastened.





The pathway light measures approximately 15 inches (381mm) in height, with a 6.22 inch (158mm) ground stake for secure placement in the ground.

3. **Prepare Wiring:** Lay out your low voltage landscape lighting cable along the planned path. Dig a shallow trench (1-2 inches deep) to bury the cable for safety and aesthetics.
4. **Connect Lights:** At each light location, carefully strip the insulation from the main landscape cable and the wires from the pathway light. Use waterproof wire connectors to securely connect the light's wires to the main cable. Ensure correct polarity (positive to positive, negative to negative).
5. **Position Lights:** Insert the ground stake of each light into the ground at the desired location. Ensure the light is stable and upright.
6. **Connect to Transformer:** Connect the main landscape cable to your low voltage landscape lighting transformer. Follow the transformer's instructions for proper connection.
7. **Test System:** Plug in the transformer and turn on the power to test all lights. If any light does not illuminate, check the connections.

- Bury Cable:** Once all lights are working correctly, bury the landscape cable in the prepared trench and cover it with soil.

This video demonstrates the features and installation process of the LEONLITE 3W Low Voltage Pathway Lights, highlighting their design and ease of setup.

6. OPERATING INSTRUCTIONS

The LEONLITE Low Voltage Landscape Pathway Lights are designed for simple operation once installed.

- Power On/Off:** The lights are controlled by the connected low voltage transformer. Use the transformer's timer or switch to turn the lights on or off.
- Automatic Operation:** Many low voltage transformers include a photocell or timer function for automatic dusk-to-dawn or scheduled operation. Refer to your specific transformer's manual for detailed settings and programming.

7. MAINTENANCE

These LED pathway lights require minimal maintenance due to their durable construction and long-lasting LEDs. Regular checks will ensure optimal performance.

- Cleaning:** Periodically wipe the light fixtures with a soft, damp cloth to remove dirt, dust, or debris. Do not use abrasive cleaners or solvents, as these can damage the finish.
- Inspect Wiring:** Annually inspect the wiring and connections for any signs of damage, fraying, or corrosion. Repair or replace damaged components as necessary to maintain electrical integrity.
- Clear Debris:** Ensure that plants, leaves, or other debris do not obstruct the light output or accumulate around the fixture. Obstructions can affect performance and potentially lead to overheating.

8. TROUBLESHOOTING

If you encounter issues with your pathway lights, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Lights do not turn on.	No power to transformer; Loose wire connections; Faulty transformer; Damaged light fixture.	Check power outlet and transformer; Verify all wire connections are secure and properly insulated; Test transformer output with a multimeter; Inspect light for visible damage and replace if necessary.
Lights flicker or are dim.	Insufficient power from transformer; Loose connections; Too many lights on one circuit; Voltage drop over long cable runs.	Ensure transformer capacity matches total wattage of lights; Tighten all wire connections; Reduce number of lights per circuit or use a larger gauge cable for longer runs.
Water inside fixture.	Improper sealing during manufacturing (rare); Damage to fixture housing from impact or wear.	If a manufacturing defect is suspected, contact customer support for replacement. If damaged, replace the affected fixture to prevent electrical hazards.

9. SPECIFICATIONS

- Model:** 51989
- Brand:** LEONLITE

- **Input Voltage:** 12-15V AC/DC
- **Wattage:** 3W per light
- **Color Temperature:** 3000K Warm White
- **Brightness:** 172 Lumens
- **Material:** Aluminum
- **Waterproof Rating:** IP65
- **Lifespan:** 50,000 Hours
- **Product Dimensions:** 12.2"L x 7.6"W x 16.57"H (Overall package dimensions)
- **Item Weight:** 12.65 Pounds (for 10-pack)

10. WARRANTY AND SUPPORT

LEONLITE products come with a 2-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service conditions.

For warranty claims, technical support, or any questions regarding your product, please contact LEONLITE customer service. Please have your purchase receipt and model number ready when contacting support to expedite the process.

Contact Information:

- **Brand Store:** [LEONLITE Amazon Store](#)
- **Seller:** Torchstar