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> LEONLITE 5CCT Low Voltage Landscape Tree Ring Lights Instruction Manual

## LEONLITE A-65011

# LEONLITE 5CCT Low Voltage Landscape Tree Ring Lights Instruction Manual

MODEL: A-65011

## Introduction

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This manual provides essential information for the safe installation, operation, and maintenance of your LEONLITE 5CCT Low Voltage Landscape Tree Ring Lights. Please read these instructions thoroughly before installation and retain for future reference.

## Safety Information

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- **Voltage:** This product operates on AC/DC 12-24V low voltage. Ensure your power supply is compatible.
- **Water Resistance:** The lights are IP65 rated for outdoor use and are water resistant. However, ensure all connections are secure to prevent water ingress.
- **Connectors:** Waterproof connectors are designed for a tight seal. Handle with care during connection and disconnection to avoid damage.
- **Power Source:** A 120V-to-12-24V transformer (not included) is required. The total power of connected lights should not exceed 80% of the transformer's rated capacity.
- **Wiring:** It is recommended to use 12AWG, 14AWG, 16AWG, or 18AWG wire as the main power cord (not included).
- **Grounding:** Ensure proper grounding for all electrical components.



**Image:** The tree ring light is shown in a rainy environment, highlighting its IP65 waterproof rating, suitable for normal use in various weather conditions.

## Package Contents

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Verify that all components are present before beginning installation:

- Light fixtures x 3
- Screws x 3
- Wire nuts & Connectors x 2
- UL-listed power cord x 1
- End cap x 1
- Stakes x 3

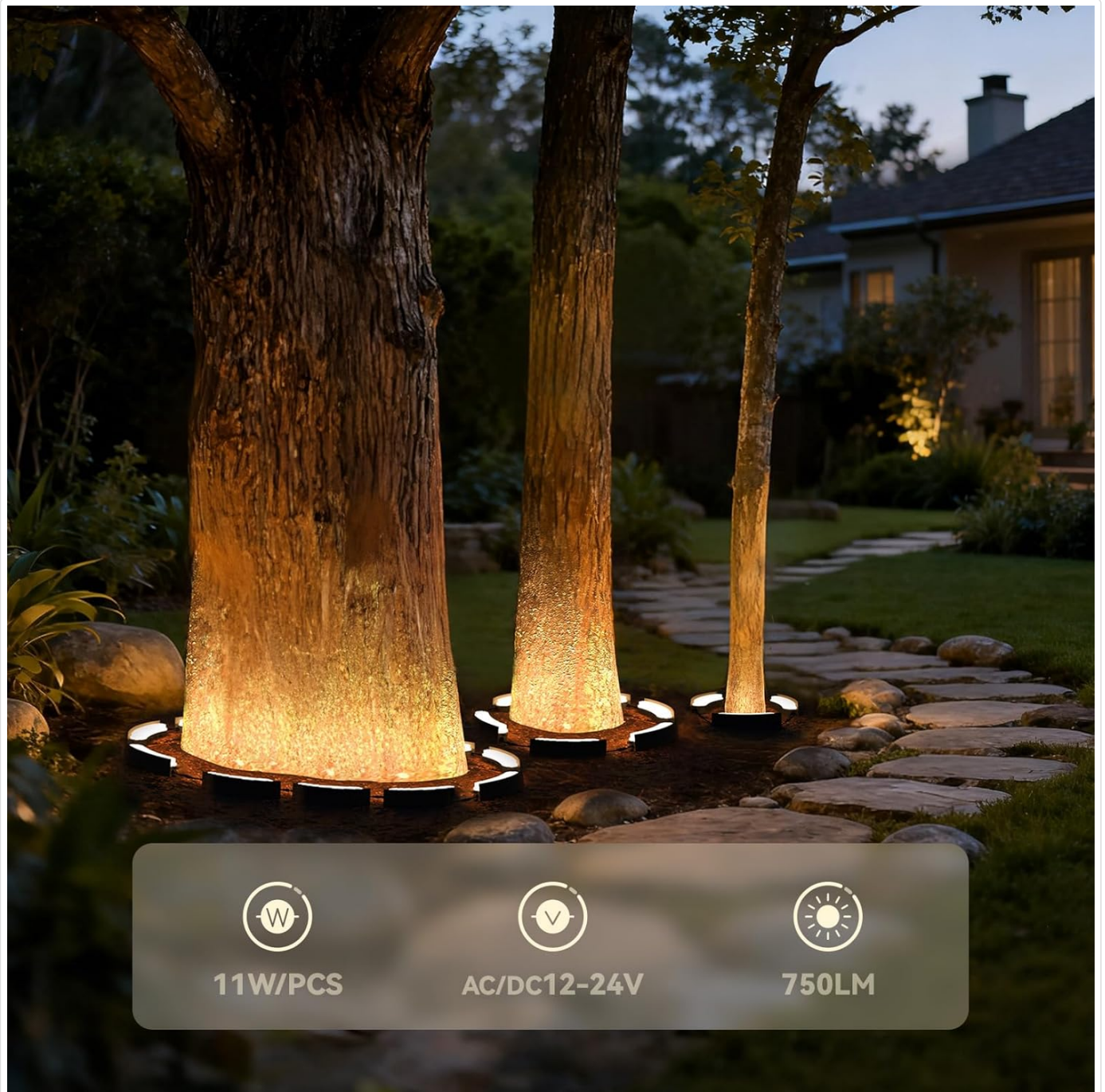


**Image:** A detailed view of the product and its included accessories, labeled for easy identification. This includes three light fixtures, three stakes, three screws, two wire nuts, two connectors, one UL-listed power cord, and one end cap.

## Specifications

Feature	Detail
Brand	LEONLITE
Model Number	A-65011
Power Source	AC/DC 12-24V
Wattage	11W per light
Brightness	750 Lumens per light
Color Temperature (CCT)	1800K, 2700K, 3000K, 4000K, 5000K (selectable)
Material	Aluminum

Water Resistance Level	IP65
Dimensions (L x W x H)	9.65" x 2.36" x 2.1" (245mm x 60mm x 53.5mm)
Mounting Type	Ground Mount (with included stakes)



**Image:** The lights are shown installed around tree trunks, demonstrating their illumination capabilities. Icons confirm key specifications: 11 Watts per piece, AC/DC 12-24 Volts compatibility, and 750 Lumens brightness.



Evenly lit with dual-row lens beads

Aluminum body for durable heat dissipation

**Image:** A detailed internal view of the light fixture, highlighting the dual-row lens beads designed for even light distribution and the aluminum body construction for efficient heat dissipation, ensuring durability.

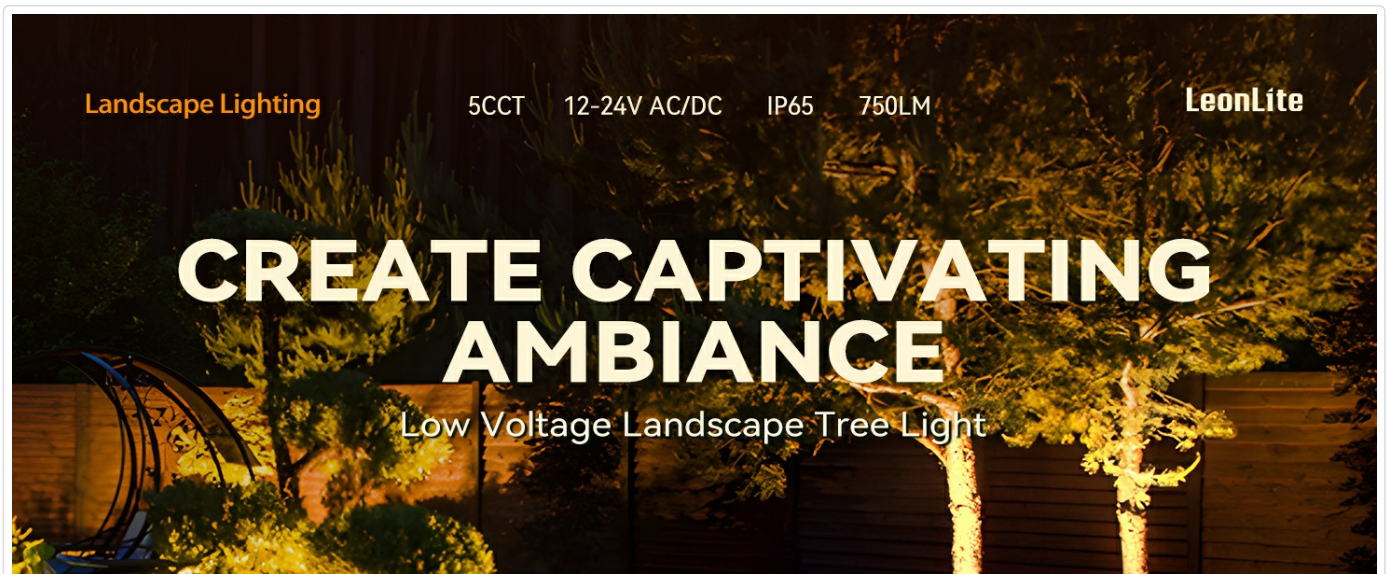
## Setup and Installation

Follow these steps for proper installation of your tree ring lights:

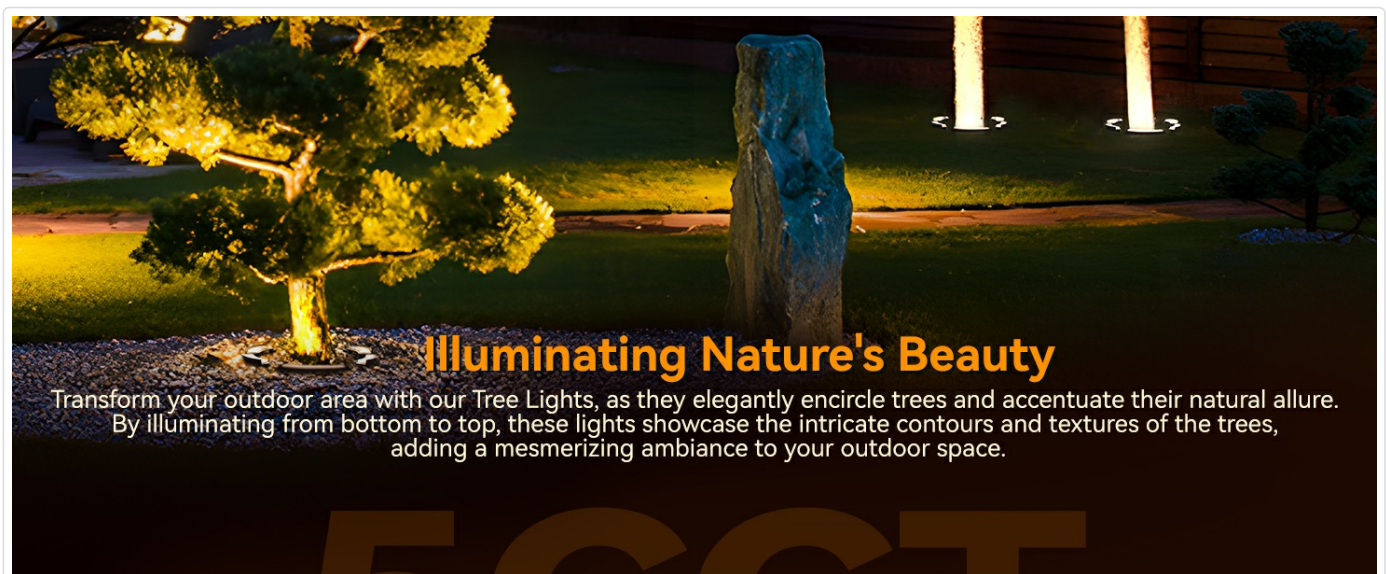
1. **Plan Placement:** Determine the desired location for each light around your trees. The lights are designed to encircle

tree trunks for uplighting effects.

2. **Prepare Power Supply:** A 120V-to-12-24V low voltage transformer (not included) is required. Ensure the transformer's capacity is sufficient for the total wattage of all connected lights (each light is 11W).
3. **Lay Out Wiring:** Use appropriate gauge low voltage landscape wire (12AWG, 14AWG, 16AWG, or 18AWG, not included) to connect the lights to the transformer. Run the main power cord from the transformer to the first fixture, then to subsequent fixtures.
4. **Connect Lights:** Connect the light fixtures to the main power cord using the provided wire nuts and connectors. Ensure all connections are tight and waterproof. *Note: Waterproof connectors offer excellent sealing; handle carefully to prevent damage during installation.*
5. **Secure Fixtures:** Insert the included stakes into the ground to secure each light fixture around the base of the tree.
6. **Expandable Design:** You can link multiple lights to achieve wider coverage. The system supports connecting up to 12 lights.

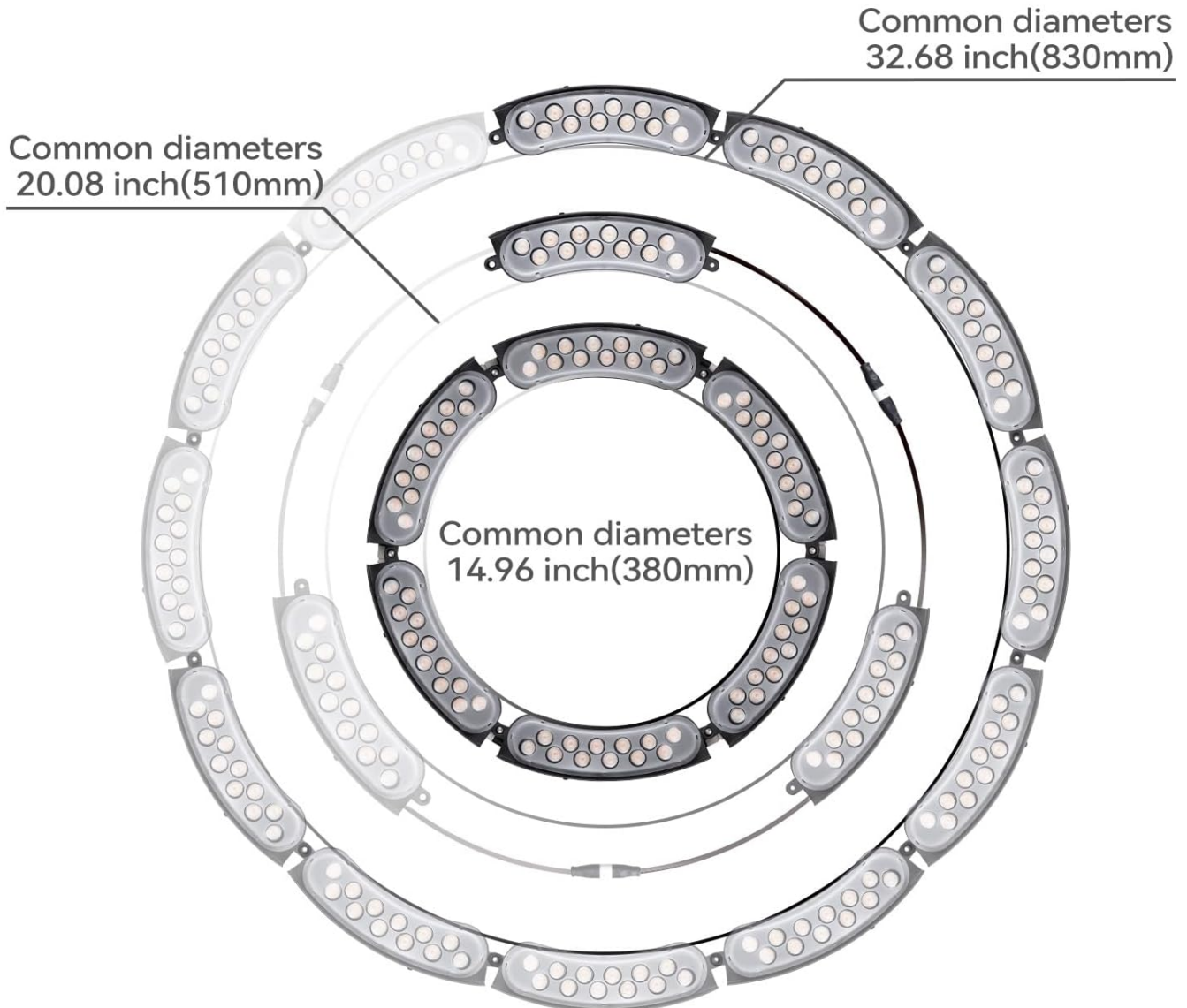


**Image:** This diagram outlines the necessary components for setting up the landscape lighting system, including the transformer, main power cord, wire caps/connectors, and the light fixtures themselves.



**Image:** A schematic demonstrating the wiring process, showing the connection from a GFCI outlet to a transformer, and then to multiple tree ring light fixtures spaced approximately 10 feet apart.

# Flexible Connection Options



**Note:** Final diameter may vary slightly depending on the spacing between fixtures

**Image:** This graphic illustrates the flexible connection options, allowing the lights to form rings of various diameters (14.96, 20.08, and 32.68 inches) to accommodate different tree sizes.

## Operating Instructions

Your LEONLITE tree ring lights feature 5 selectable color temperatures to customize your outdoor ambiance:

1. **Power On:** Once installed and connected to a compatible low voltage power supply, turn on the power to illuminate the lights.
2. **Select Color Temperature:** The lights offer 5 CCT options: 1800K (Sunset Glow), 2700K, 3000K, 4000K, and 5000K. Refer to the product's specific control method (e.g., a switch on the fixture or an external controller, if applicable) to cycle through these options.
3. **Adjust Ambiance:** Choose the color temperature that best suits your desired mood or seasonal aesthetic.

# 5 COLOR TEMPERATURE SELECTABLE



**Image:** This image demonstrates the 5 color temperature selectable feature, showing how different CCTs (1800K, 2700K, 3000K, 4000K, 5000K) can create varied lighting effects around trees.



**Image:** A visual guide showcasing the versatility of the 5CCT options, illustrating how different color temperatures can complement various outdoor settings and seasons.



**Image:** This image specifically highlights the 1800K setting, demonstrating its ability to produce a warm, vintage sunset-like glow for a cozy outdoor atmosphere.

## Maintenance

To ensure the longevity and optimal performance of your LEONLITE tree ring lights:

- **Regular Cleaning:** Periodically clean the light fixtures with a soft, damp cloth to remove dirt, dust, and debris. Avoid abrasive cleaners.
- **Inspect Connections:** Annually inspect all wire connections and connectors for tightness and signs of wear or corrosion. Re-secure or replace as needed.
- **Check for Damage:** Regularly check the aluminum housing and lenses for any physical damage. Replace damaged components promptly.
- **Water Drainage:** The design includes a water outlet to prevent accumulation. Ensure this outlet remains clear of

obstructions.



**Image:** This diagram illustrates internal features designed for durability and low maintenance, including waterproof light beads, a water outlet to prevent accumulation, and protective elements for the light beads.

## Troubleshooting

If you encounter issues with your LEONLITE tree ring lights, refer to the following common solutions:

### Lights Not Illuminating:

- **Check Power:** Ensure the transformer is receiving power and is turned on.
- **Verify Connections:** Inspect all wire connections from the transformer to each light fixture. Ensure they are secure and properly sealed.
- **Transformer Capacity:** Confirm that the total wattage of connected lights does not exceed 80% of the transformer's rated capacity.
- **Bulb/LED Check:** While LEDs are long-lasting, check if individual light beads appear damaged.

### Inconsistent Brightness or Flickering:

- **Voltage Drop:** Ensure the main power cord gauge is appropriate for the length of the run and the total wattage. Longer runs or thinner wires can cause voltage drop.
- **Loose Connections:** Re-check all wire connections for tightness.

### Lights Not Changing Color Temperature:

- **Control Method:** Ensure you are using the correct method to change the CCT (e.g., internal switch, external controller).
- **Compatibility:** Note that these tree ring lights are not compatible with previous 3000K Warm White versions and cannot be linked with them.

## Warranty and Support

Your LEONLITE 5CCT Low Voltage Landscape Tree Ring Lights are backed by a **3-year guarantee**, ensuring dependable performance. For technical support, warranty claims, or further assistance, please contact LEONLITE customer service through their official channels or the retailer where the product was purchased.

For more information, visit the [LEONLITE Store](#).

