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**LEONLITE 28598**

# LEONLITE 8-Pack 7 Inch LED Hardscape Lighting Instruction Manual

Model: 28598 / 70578

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your LEONLITE 8-Pack 7 Inch LED Hardscape Lights. These low-voltage LED lights are designed to enhance outdoor spaces such as retaining walls, steps, decks, and other masonry structures with soft, warm illumination. Please read this manual thoroughly before installation and retain it for future reference.

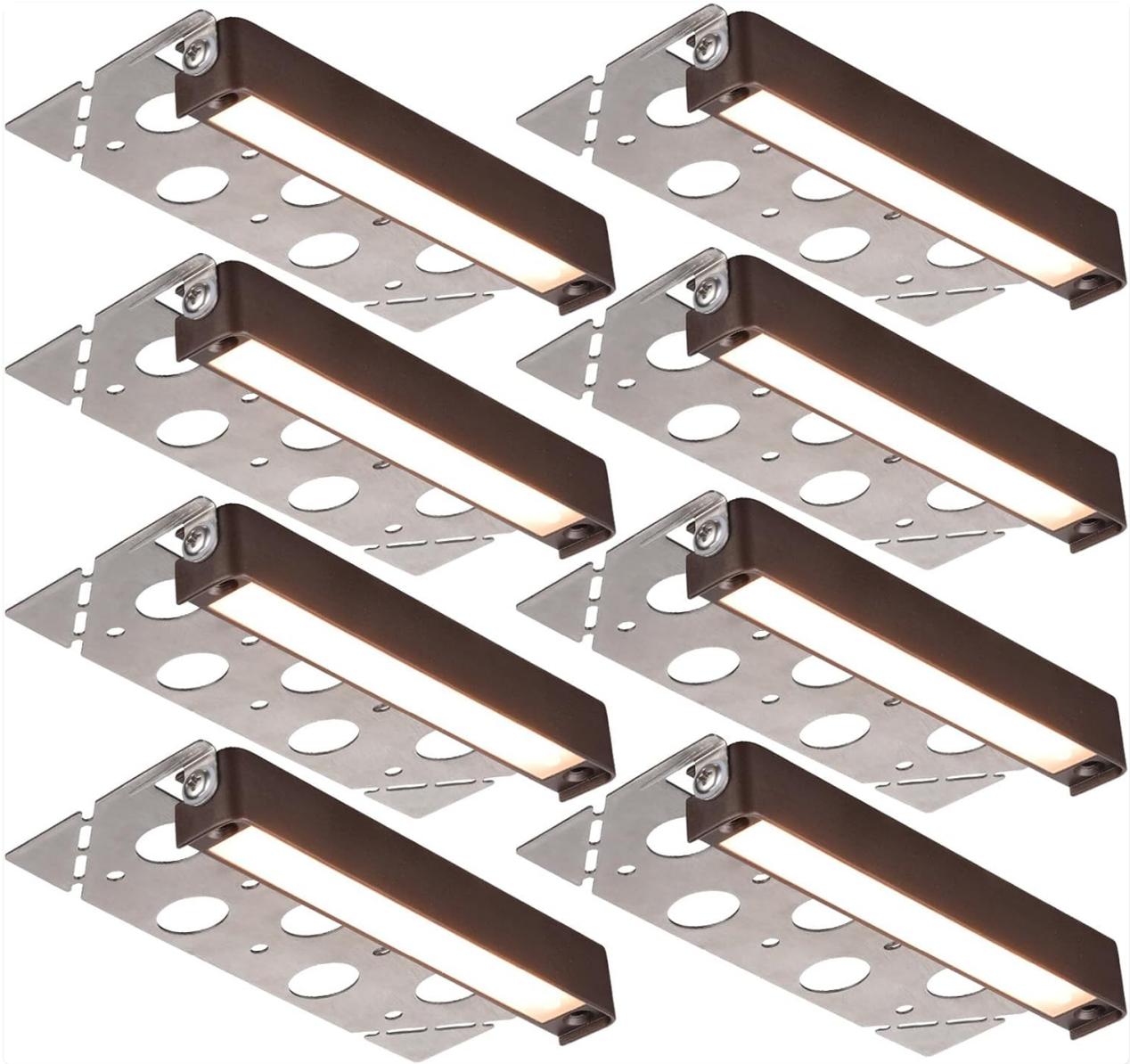


Image: Eight LEONLITE 7-inch LED hardscape lights, showcasing their design and quantity in the pack.



Image: Outdoor steps illuminated by LEONLITE hardscape lights, demonstrating their application in landscape design.

## 2. SAFETY INFORMATION

- Always disconnect power before installation or servicing.

- This product is designed for 12-24V AC/DC low voltage systems. Do not connect directly to 120V AC power.
- Ensure all wiring connections are secure and waterproof, especially for outdoor use.
- Consult a qualified electrician if you are unsure about any part of the installation process.
- ETL listed for safety and quality assurance.

### 3. PACKAGE CONTENTS

- 8 x 7 Inch LED Hardscape Lights
- 8 x Detachable Stainless Steel Mounting Plates
- 16 x Screws
- 16 x Wall Anchors
- 16 x Waterproof Wire Nuts (gel-filled)

Note: A low voltage transformer is required but not included in this package.



Image: Detailed diagram illustrating the dimensions of the hardscape light and the various accessories included in the package.

## Package Included



\*An extra low voltage transformer is needed but excluded.

\*All LEONLITE landscape lighting accessories are 100% compatible with LEONLITE landscape light fixtures.

\*Other accessories not included in the package need to be purchased separately.

Image: The product packaging for the LEONLITE hardscape lights, displaying the lights and accessories within the box.

## 4. SPECIFICATIONS

Feature	Specification
Brand	LEONLITE
Model Numbers	28598, 70578
Color Temperature	2700K Soft White
Material	Stainless Steel, Aluminum
Product Dimensions	6.85"L x 2.87"W x 0.9"H
Voltage	12-24V AC/DC
Wattage (Selectable)	3W, 4W, 5W
Max Brightness	260 Lumens

Color Rendering Index (CRI)	90
Water Resistance Level	IP65 Waterproof
Operating Temperature	-4°F to 104°F (-20°C to 40°C)
Lifespan	30,000 Hours
Certifications	ETL Listed, UL Listed Cord



Image: Key features of the LEONLITE hardscape light, including its IP65 waterproof rating, wide working temperature range, and high CRI 90 for true color rendering.

## 5. SETUP AND INSTALLATION

Before beginning, ensure you have a compatible 12-24V AC/DC low voltage landscape transformer (not included) and appropriate wiring tools.

### 5.1 Wiring Connections

1. Strip approximately 1/2 inch of insulation from the ends of the light's wire leads and your main low

- voltage cable.
2. Connect the light's wires to the low voltage cable using the provided waterproof (gel-filled) wire nuts. Ensure connections are tight to prevent moisture ingress.
  3. Repeat for all lights, ensuring proper polarity if applicable to your system (though these lights are AC/DC compatible).

Your browser does not support the video tag.

Video: This video demonstrates the features and installation process for the LEONLITE 7 Inch 3W/4W/5W Dimmable LED Hardscape Light, including wiring and mounting options.

## 5.2 Mounting Options

These lights offer two primary installation methods:

### A. Recessed Mounting (Between Blocks)

Ideal for new construction or when blocks can be easily lifted. The stainless steel mounting plate is designed to be placed between retaining wall blocks or pavers.

1. Position the light with its mounting plate between two courses of blocks, ensuring the light faces downwards or outwards as desired.
2. Secure the blocks above and below the light, ensuring the plate is firmly held in place.
3. Route the low voltage wire to your transformer.

### B. Surface Mounting (On Existing Structures)

Suitable for existing walls, decks, or other hardscape surfaces. The light unit can be detached from its mounting plate for direct surface attachment.

1. Remove the two screws securing the light unit to the stainless steel mounting plate.
2. Position the light unit on the desired surface.
3. Secure the light unit using the provided screws and anchors, or with landscape-grade adhesive/silicone caulk for a cleaner finish.
4. Route the low voltage wire discreetly along the surface or through pre-drilled holes to your transformer.

## Effortlessly Replace the Clamp for Different Installation Methods

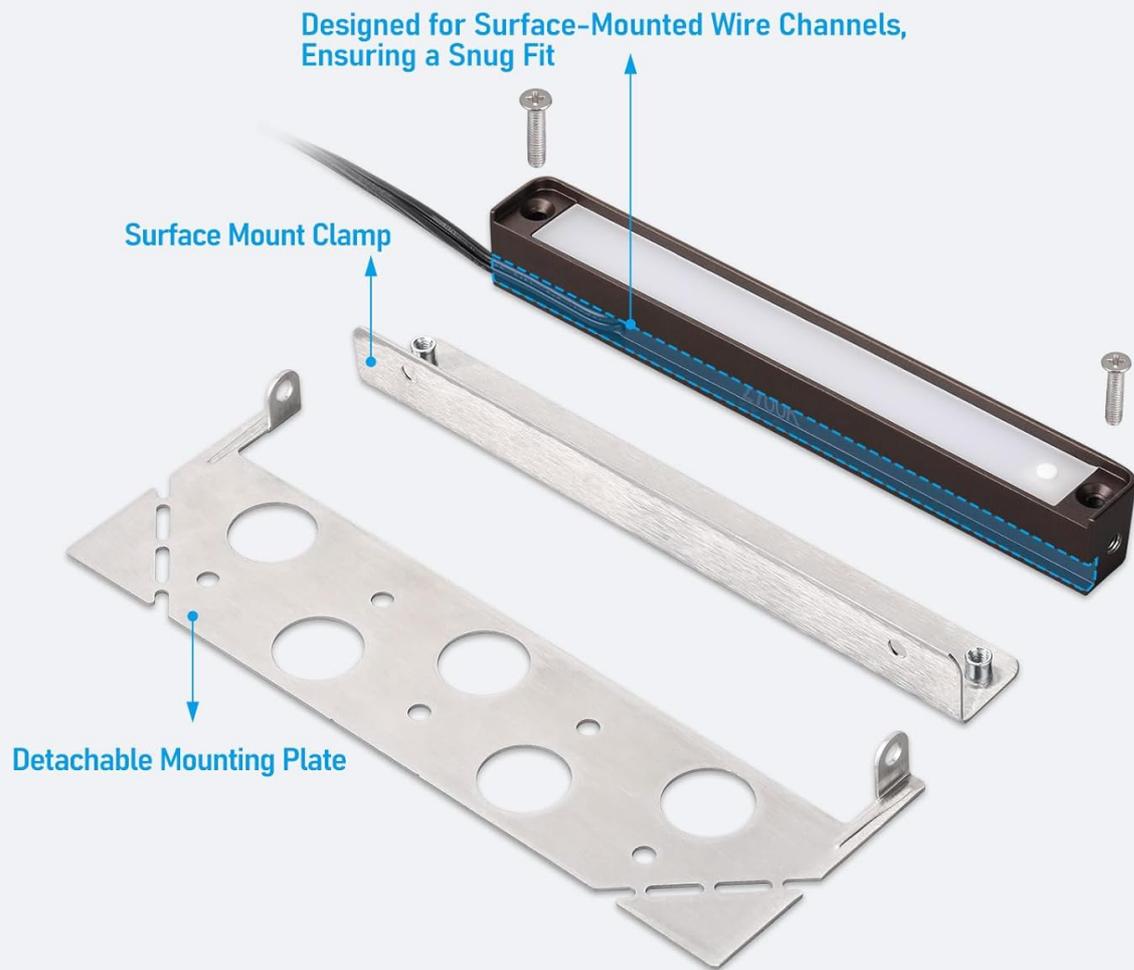


Image: This image demonstrates the two primary installation methods: surface mounting for wooden steps or existing hardscapes, and recessed mounting for integration beneath capstones during construction.

LeonLite

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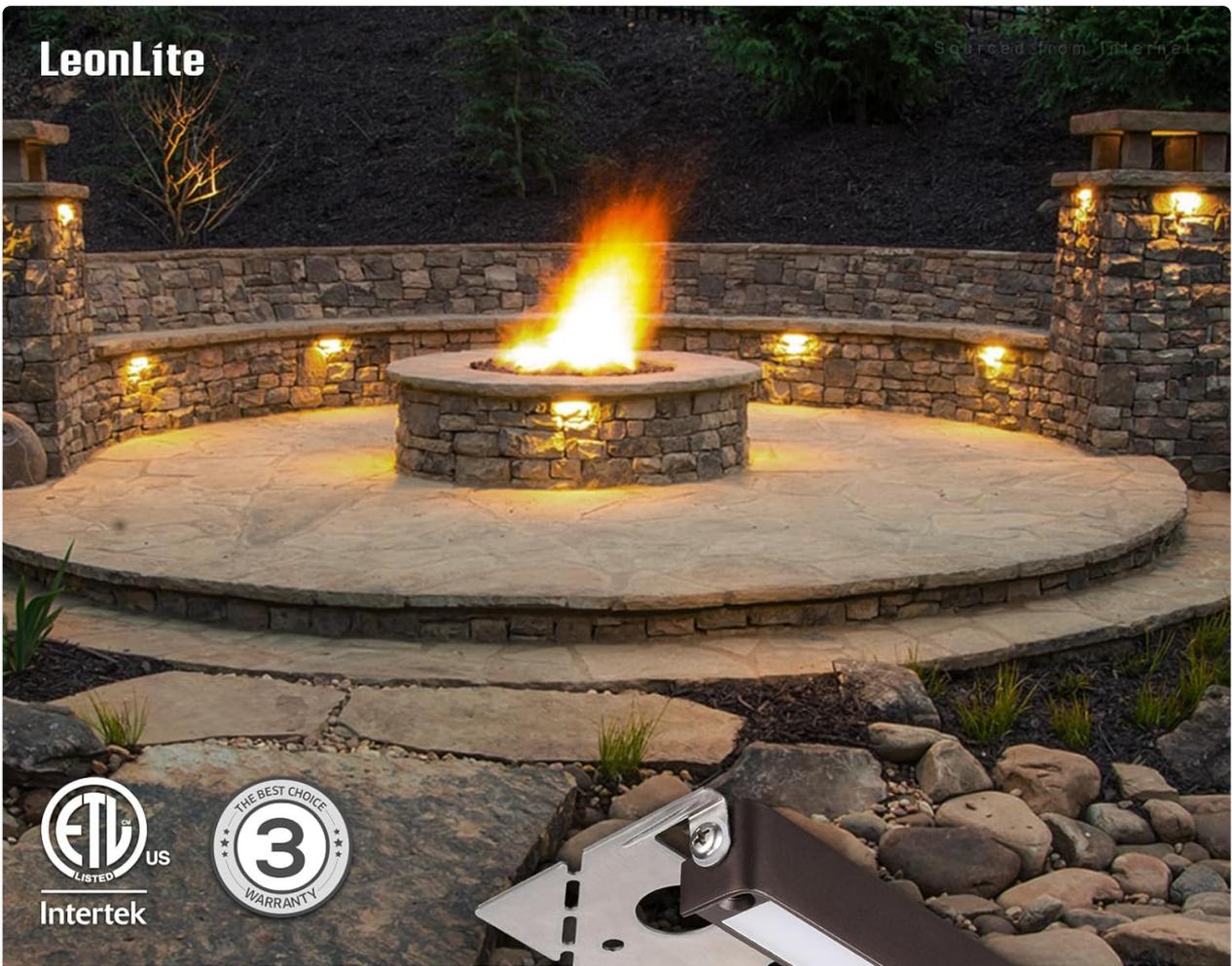


Image: An exploded view of the hardscape light, detailing how to effortlessly replace the clamp for different installation methods, including a surface mount clamp and a detachable mounting plate.

Image: This diagram highlights the surface mount clamp, emphasizing its convenience for easy installation on various outdoor surfaces without needing to lift stone slabs.

### 5.3 Wattage Selection

Each light features a selectable wattage setting (3W, 4W, 5W) to adjust brightness. This can be done during installation to match your desired illumination level and energy consumption.

## SUPPORT SURFACE & RECESSED MOUNT TWO INSTALLATIONS

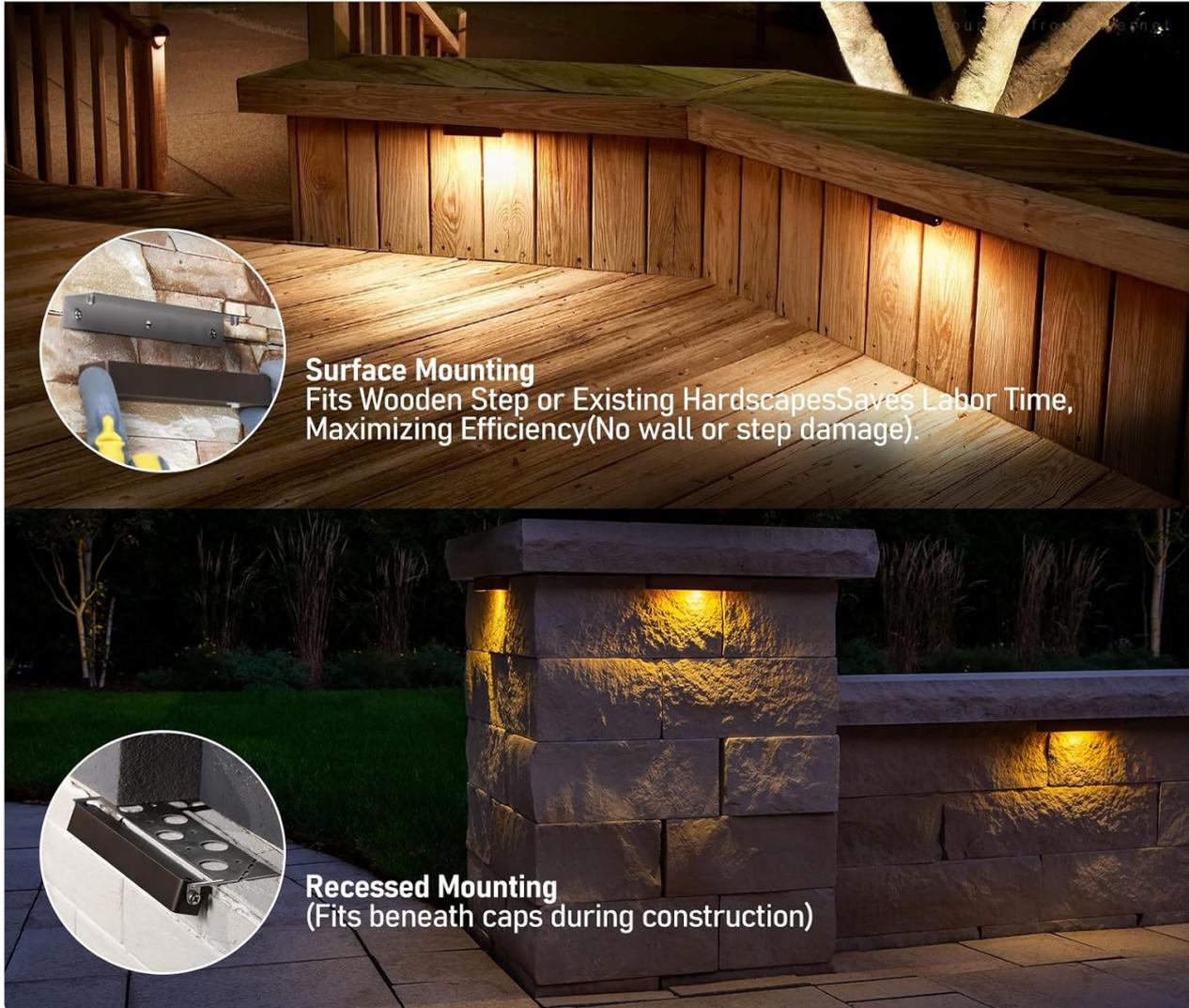


Image: An outdoor scene demonstrating the 3-wattage selectable feature of the hardscape lights, showing different brightness levels (3W 156LM, 4W 208LM, 5W 260LM) on various landscape elements.

### 5.4 Rotatable Feature

For non-surface mounting applications, the light can be rotated 180 degrees to direct illumination precisely where needed, providing glare-free lighting.

## ROTATABLE & GLARE-FREE



Image: A close-up view of the hardscape light highlighting its rotatable and glare-free design, featuring a thickened stainless steel plate for durability.

### 5.5 System Design

Lights can be connected in various configurations (Daisy Chain, T-Method, Hub Method) depending on your landscape layout. Ensure your transformer's wattage capacity is sufficient for the total wattage of all connected lights (at least 80% of the transformer's capacity for the load).

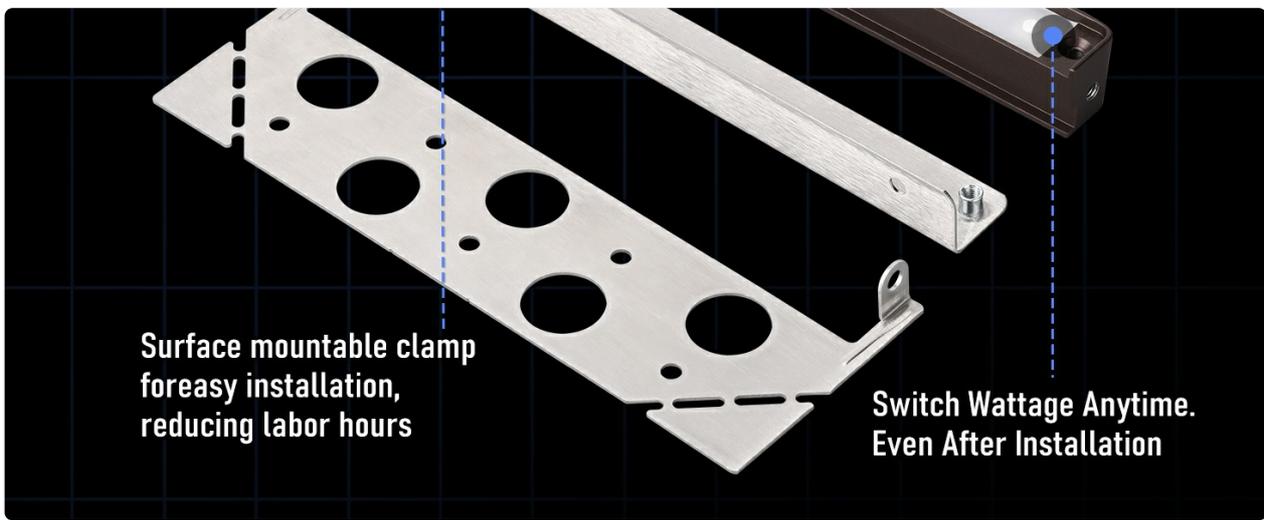


Image: This diagram illustrates various wiring configurations for landscape lights, including Daisy Chain (series), T-Method (transformer connects to a fixture in the middle), and Hub Method (each fixture connects to a central hub).

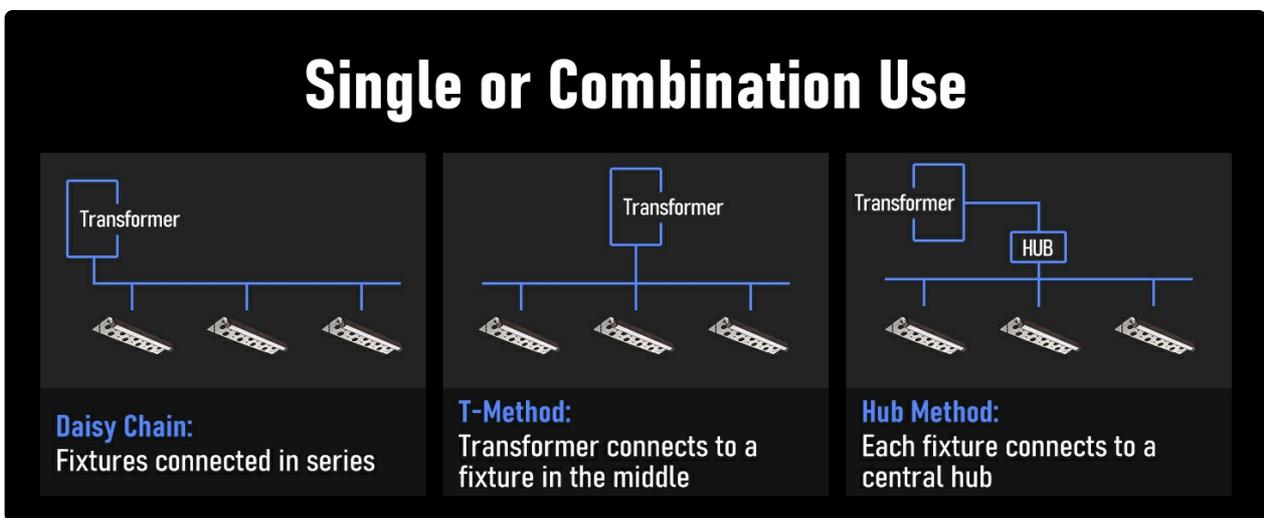


Image: An example of hardscape lights illuminating a wall, accompanied by a note explaining that each fixture has a maximum wattage of 7W and advising on transformer capacity for multiple lights.

## 6. OPERATING INSTRUCTIONS

Once properly installed and connected to a compatible low voltage transformer, your LEONLITE hardscape lights will operate according to the settings of your transformer (e.g., timer, photocell). No direct controls are present on the individual light fixtures.

- **Power On/Off:** Controlled by your low voltage transformer.
- **Brightness Adjustment:** Adjust the wattage setting (3W/4W/5W) on each light unit as needed during installation or maintenance.
- **Light Direction:** For non-surface mounted lights, the unit can be rotated 180 degrees to adjust the beam angle.

## 7. MAINTENANCE

- **Cleaning:** Periodically clean the light fixtures with a soft, damp cloth to remove dirt and debris that may obstruct light output. Do not use abrasive cleaners.
- **Inspection:** Regularly inspect the wiring and connections for any signs of damage, wear, or corrosion. Ensure waterproof connections remain sealed.

- **Drainage:** Ensure that the area around the lights has proper drainage to prevent water accumulation, which could affect performance and lifespan.

## 8. TROUBLESHOOTING

- **Lights Not Turning On:**

- Check the power supply to your low voltage transformer.
- Verify all wiring connections are secure and correctly made.
- Ensure the transformer is functioning correctly and its timer/photocell settings are appropriate.

- **Lights Are Dim or Flickering:**

- Confirm the wattage setting on the light unit is at the desired level (3W, 4W, or 5W).
- Check for loose or corroded wiring connections.
- Ensure your transformer has sufficient wattage capacity for all connected lights. Overloading the transformer can cause dimming.

- **Water Inside Fixture:**

- Although rated IP65 waterproof, ensure all connections are properly sealed with the provided waterproof wire nuts.
- Inspect the fixture for any physical damage that might compromise its seal.

## 9. WARRANTY AND SUPPORT

LEONLITE hardscape lights come with a **3-year warranty** from the date of purchase, covering defects in materials and workmanship. For warranty claims, technical support, or any questions regarding your product, please contact LEONLITE customer service through your retailer or the official LEONLITE website.

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### Related Documents - 28598

	<p><a href="#">LeonLite LED Motion Security Light User Manual</a></p> <p>User manual for the LeonLite LED Motion Security Light, covering installation, operation, and warranty information. Includes safety warnings and product specifications.</p>
	<p><a href="#">LeonLite 5W Waterproof Deck Light User Manual   Installation, Specifications, and Troubleshooting</a></p> <p>User manual for the LeonLite 5W Waterproof Deck Light, providing detailed installation instructions, package contents, technical specifications, troubleshooting guide, and warranty information. Essential for proper setup and maintenance of your outdoor lighting.</p>

	<p><a href="#">LeonLite LITEdge LED Wall Light User Manual - Installation and Specifications</a></p> <p>Comprehensive user manual for the LeonLite LITEdge LED Wall Light, including installation guides, safety instructions, troubleshooting, specifications, and warranty information.</p>
	<p><a href="#">24W CCT Selectable Black LED Track Light Head User Manual   LEONLITE</a></p> <p>Detailed user manual for the LEONLITE 24W CCT Selectable Black LED Track Light Head, covering installation, specifications, and warranty information.</p>
	<p><a href="#">LeonLite LITEdge 4-Light Smart Ceiling Fixture User Manual and Quick Start Guide</a></p> <p>Comprehensive guide for the LeonLite LITEdge 4-Light Smart Ceiling Fixture, covering features, installation, app pairing, troubleshooting, and frequently asked questions. Learn how to set up and use your smart lighting solution.</p>
	<p><a href="#">LeonLite 5W AC/DC 12V Low Voltage LED Landscape Light - Directional Outdoor Lighting</a></p> <p>Explore the LeonLite 5W AC/DC 12V LED Landscape Light, designed for durable outdoor illumination. Features corrosion-resistant aluminum housing, IP65 waterproof rating, adjustable lamp head, and a 5-year warranty.</p>