

## Sunmerit CDD-1001

# Sunmerit Landscape Lighting User Manual

Model: CDD-1001

All-in-One Low Voltage Landscape Lighting Kit

## 1. PRODUCT OVERVIEW

The Sunmerit All-in-One Low Voltage Landscape Lighting Kit provides a complete solution for outdoor illumination. This kit includes 4 dimmable LED spotlights and a 24W transformer with a photocell sensor, eliminating the need for additional purchases. Designed for energy efficiency, the 3W LED chips offer brightness equivalent to a 30W halogen bulb, saving up to 80% power. The 2700K warm white light is ideal for accentuating gardens, sculptures, walls, walkways, porches, flags, fences, or trees.



Image 1.1: Complete Sunmerit Landscape Lighting Kit components.

The system features a smart timer for auto dusk-to-dawn operation or custom schedules, with a memory function to retain settings during power outages. Constructed with durable aluminum housing and an IP65 waterproof rating, these lights are built to withstand various weather conditions, ensuring a long lifespan of 50,000 hours. The 24V low voltage and ETL-certified wires ensure safe outdoor use.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 4 x Landscape Spotlights
- 1 x Low Voltage Transformer
- 4 x Metal Stakes
- 4 x Screws
- 1 x Hex Key
- 1 x Screwdriver
- 1 x Rubber Expansion Plug
- 1 x User Manual (this document)
- UL-Listed Wire (pre-connected to the lights)

*Note: The lighting system is pre-assembled. The distance between lights is fixed, and no additional lights can*

be added or removed from the original set.



### Package Contents

- |                         |                           |   |
|-------------------------|---------------------------|---|
| 4 x Landscape Spotlight | 1 x Hex Key               | 1 x Rubber Expansion Plug               |
| 4 x Metal Stake         | 1 x Landscape Transformer | 1 x User Manual                         |
| 4 x Screw               | 1 x Screwdriver           | UL-Listed Wire(Connected to the lights) |

**Attention:** Pre-assembled Lighting System. Distance between lights is fixed.  
(No lights can be added or removed from the original set.)

Image 2.1: Visual representation of package contents and product dimensions.

## 3. SETUP AND INSTALLATION

The Sunmerit Landscape Lighting Kit is designed for easy, plug-and-play installation, requiring no special tools or professional assistance.

### 3.1. Placement Considerations

- Choose locations in your yard, garden, or along pathways where you desire illumination.
- Ensure the transformer is mounted at least 39 to 59 inches (1 to 1.5 meters) above the ground to allow the photocell sensor to function optimally.
- The compact design of the fixtures allows them to be easily hidden behind plants or rocks for a clean, professional appearance.

### 3.2. Installation Steps

1. **Stake the Lights:** Attach each spotlight to its respective metal stake. Firmly push the stakes into the ground at your desired locations.

2. **Connect the Wiring:** The lights are pre-wired. Simply connect the single waterproof connector from the lighting array to the transformer. Ensure the connection is secure to maintain the IP65 waterproof rating.
3. **Position the Transformer:** Mount the transformer in a suitable outdoor location, ensuring the photocell sensor is exposed to ambient light for accurate dusk-to-dawn operation.
4. **Plug In:** Plug the transformer into a standard outdoor electrical outlet.



Image 3.1: Securely connecting the waterproof connector.

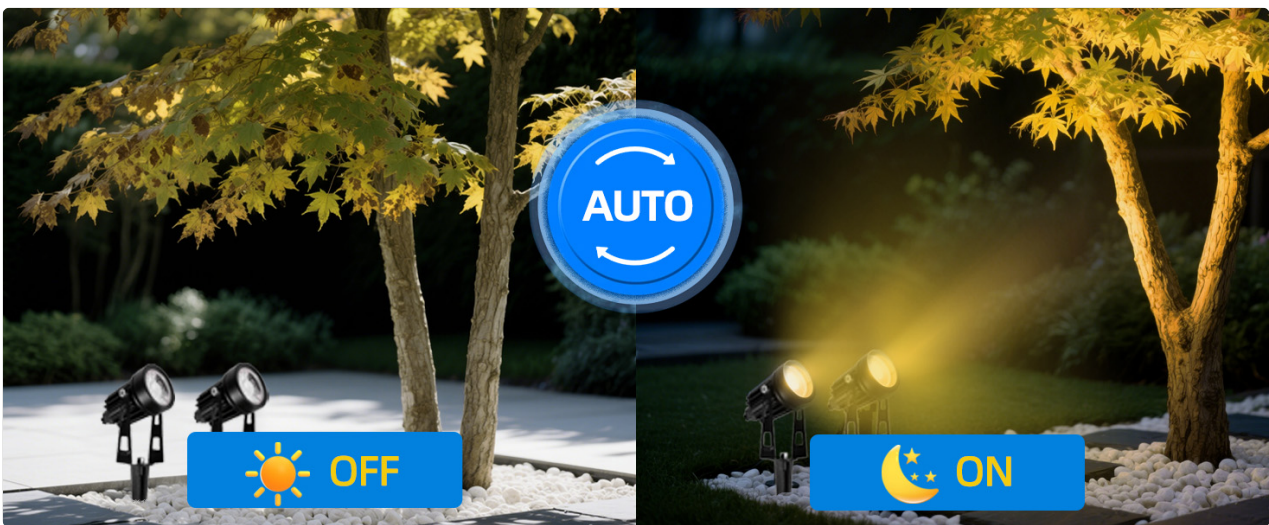


Image 3.2: The 7.6ft 22 AWG standard extension cord provides flexibility for light placement.

## 4. OPERATING INSTRUCTIONS

The transformer unit features a control panel for managing the lighting system's modes, timing, and dimming levels.

# Dusk to Dawn Sensor Controller

Memory Function: it will remain the mode you set last time after it is powered again.

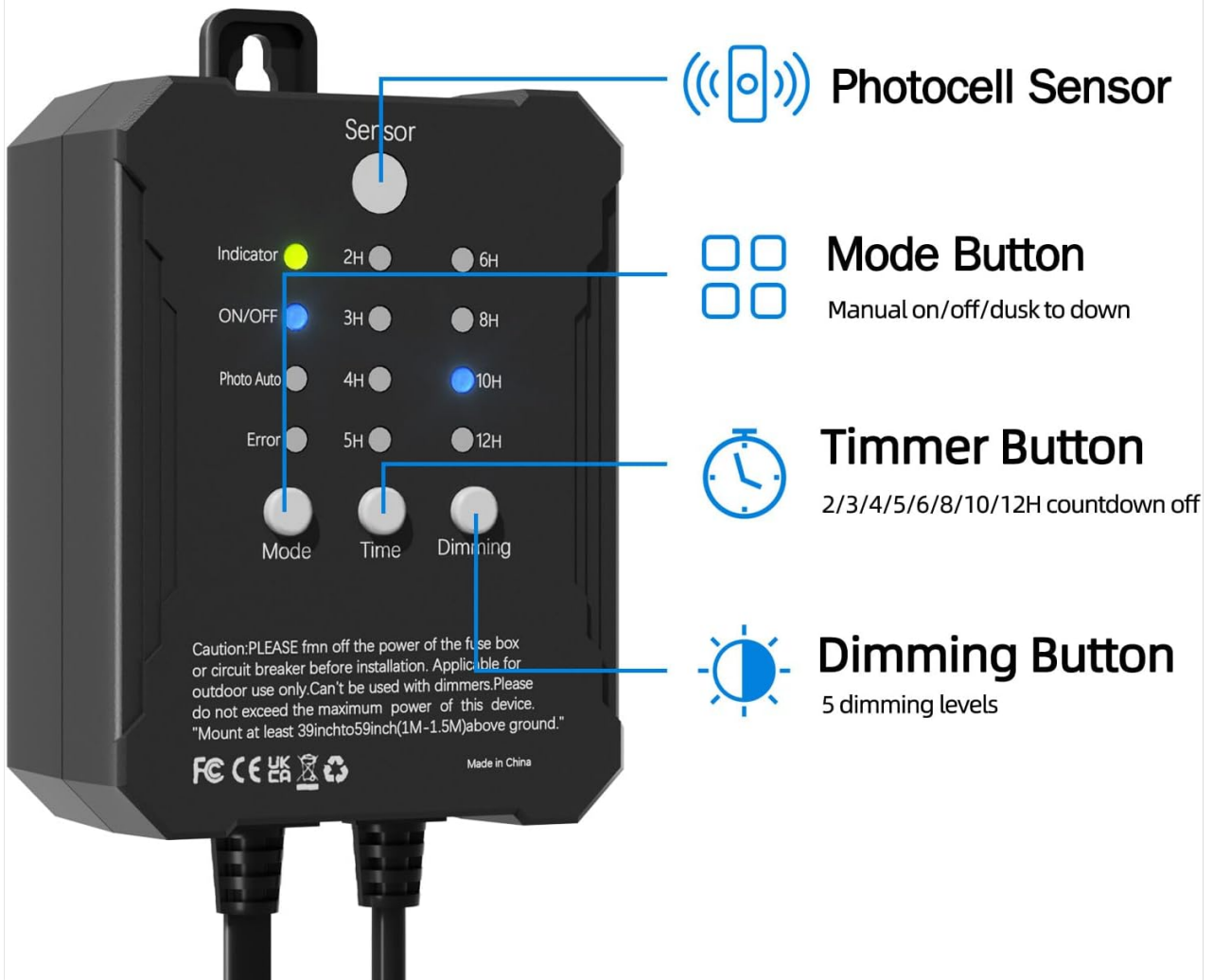


Image 4.1: Dusk to Dawn Sensor Controller interface.

## 4.1. Controller Buttons and Indicators

- **Sensor:** Photocell sensor for detecting ambient light.
- **Indicator:** Status light (e.g., green for ON/OFF, blue for Photo Auto, red for Error).
- **Mode Button:** Toggles between manual ON/OFF and Dusk to Dawn (Photo Auto) modes.
- **Time Button:** Sets countdown timer for 2H, 3H, 4H, 5H, 6H, 8H, 10H, or 12H.
- **Dimming Button:** Adjusts brightness through 5 levels.

## 4.2. Operating Modes

- **Dusk to Dawn Mode (Photo Auto):** The lights will automatically turn on at dusk and turn off at dawn. This mode is activated by pressing the 'Mode' button until the 'Photo Auto' indicator lights up.
- **Manual ON/OFF:** Press the 'Mode' button to manually turn the lights on or off.
- **Timer Mode:** After selecting a mode (Dusk to Dawn or Manual ON), press the 'Time' button repeatedly to set a countdown duration (e.g., 2 hours, 4 hours). The lights will remain on for the selected duration and then turn off.

# Dusk to Dawn Mode

Light on at night and light off during the day automatically



Image 4.2: Explanation of Dusk to Dawn automatic operation.



Image 4.3: Automatic ON/OFF functionality.

## 4.3. Adjusting Brightness

The spotlights offer 5 dimming levels. Press the 'Dimming' button on the transformer to cycle through the available brightness settings. This allows you to customize the illumination to suit your specific needs and

preferences.



Image 4.4: Visual representation of 5 dimming levels.

#### 4.4. Adjusting Light Direction

Each spotlight features a 270° adjustable head, allowing you to direct the light precisely where needed. This is useful for highlighting specific features like house walls, flags, trees, flower beds, or steps.



Image 4.5: Adjusting the 270° rotatable head of the spotlight.

### 5. MAINTENANCE AND CARE

The Sunmerit Landscape Lighting Kit is designed for durability and minimal maintenance. Following these guidelines will help ensure its longevity and optimal performance.

#### 5.1. Weather Resistance

The spotlights and transformer are rated IP65 waterproof, meaning they are protected against dust and low-pressure water jets from any direction. The durable aluminum housing allows them to operate effectively in temperatures ranging from -4°F to 130°F (-20°C to 54°C), making them resistant to frost and heat.

# IP65 Waterproof for Outdoor Use

Working Temperature: -4°F~130°F



Frost Resistant



Heat Resistant

Image 5.1: IP65 Waterproof and weather resistance features.



Image 5.2: The transformer unit is also designed to be waterproof.

## 5.2. Cleaning

Periodically wipe down the lights and transformer with a soft, damp cloth to remove dirt, dust, or debris. Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish or electronic components.

## 5.3. Heat Dissipation

The aluminum housing of the spotlights is designed with heat dissipation fins to ensure optimal performance and longevity of the LED chips. Ensure that the fins are not obstructed by debris or excessive buildup to allow

for proper airflow.



Image 5.3: Heat dissipation fins on the spotlight.

## 6. TROUBLESHOOTING

If you encounter issues with your Sunmerit Landscape Lighting Kit, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on at dusk.	<ul style="list-style-type: none"><li>◦ Photocell sensor obstructed or dirty.</li><li>◦ Transformer not receiving power.</li><li>◦ Incorrect mode selected.</li></ul>	<ul style="list-style-type: none"><li>◦ Clean the photocell sensor. Ensure it's not covered by leaves or debris.</li><li>◦ Check the power outlet and transformer connection.</li><li>◦ Press the 'Mode' button to select 'Photo Auto' (Dusk to Dawn) mode.</li></ul>
Lights do not turn off at dawn.	<ul style="list-style-type: none"><li>◦ Photocell sensor exposed to artificial light.</li></ul>	<ul style="list-style-type: none"><li>◦ Relocate the transformer to an area where the photocell sensor is not affected by other light sources (e.g., streetlights, porch lights).</li></ul>
Lights flicker or are dim.	<ul style="list-style-type: none"><li>◦ Loose connection.</li><li>◦ Incorrect dimming level.</li></ul>	<ul style="list-style-type: none"><li>◦ Check all connections, especially the waterproof connector.</li><li>◦ Press the 'Dimming' button to adjust brightness.</li></ul>
Error indicator is lit.	<ul style="list-style-type: none"><li>◦ System malfunction.</li></ul>	<ul style="list-style-type: none"><li>◦ Unplug the transformer for 5 minutes, then plug it back in to reset the system. If the error persists, contact customer support.</li></ul>

## 7. SPECIFICATIONS

Feature	Detail
Brand	Sunmerit
Model Name	CDD-1001
Color	Black

Feature	Detail
Material	Aluminum
Light Source Type	LED
Number of Lights	4
Wattage (per light)	3 Watts
Brightness (per light)	300 Lumens
Light Color	Warm White (2700 Kelvin)
Voltage	24 Volts (Low Voltage)
Power Source	Corded Electric
Water Resistance Level	IP65 Waterproof
Lifespan	50,000+ hours
Special Features	Dimmable (5 levels), Energy Efficient, Low Voltage, Timer, Waterproof
Product Dimensions (each light)	1.97"L x 1.57"W x 9"H (including stake)
Item Weight	2.31 pounds (total kit)



Image 7.1: Key specifications of the Sunmerit Landscape Spotlights.

## 8. WARRANTY AND SUPPORT

Sunmerit stands behind the quality of its products.

### 8.1. Warranty Information

This product includes a **2-year replacement guarantee**. If any issues arise with your product within this period, please contact us for free replacements.

### 8.2. Customer Support

For any questions, concerns, or technical assistance, please refer to the contact information provided with your purchase or visit the official Sunmerit website. Our customer service team is available to help you.

