

8308-9603

User Manual: Low Voltage Landscape Lights Kit (8-Pack)

Model: 8308-9603

1. INTRODUCTION

Thank you for purchasing the Low Voltage Landscape Lights Kit. This kit provides an effective and aesthetically pleasing solution for illuminating your outdoor spaces. These 20W halogen spotlights offer 176 lumens of warm white light (3000K) and are designed for durability and ease of installation. This manual will guide you through the setup, operation, and maintenance of your new landscape lighting system.

2. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before installation and use.

- **Low Voltage System:** This product operates on a 12-volt low voltage system. It requires a compatible low voltage landscape lighting transformer (not included). Do not connect directly to 120V household current.
- **Transformer Compatibility:** Ensure your transformer's maximum output rating is suitable for the total wattage of all connected lights. For example, if you connect eight 20W lights, you will need a transformer capable of at least 160W.
- **Outdoor Use Only:** These lights are designed for outdoor use and are waterproof.
- **Electrical Connections:** All electrical connections should be made in accordance with local codes and ordinances. If unsure, consult a qualified electrician.
- **Bulb Handling:** Halogen bulbs can become very hot. Allow bulbs to cool before handling or replacing. Avoid touching the glass part of the bulb with bare hands, as oils can reduce bulb life.
- **Secure Installation:** Ensure lights are securely staked into the ground to prevent tipping.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- 8 x Low Voltage Landscape Spotlights
- 8 x MR11 Halogen Bulbs (20W)
- 8 x Ground Stakes
- 8 x Wire Connectors



Figure 3.1: Complete kit showing eight landscape lights with stakes.

4. PRODUCT OVERVIEW AND FEATURES

The Low Voltage Landscape Lights are constructed from durable cast metal, designed to withstand various outdoor conditions. Key features include:

- **Adjustable Light Cap:** The innovative adjustable light cap allows you to effortlessly alter the width of the light beam from a concentrated 17° to a wider 30° flood effect by adjusting the position of the cap.
- **Warm White Illumination:** Each light provides 176 lumens of bright, cozy 3000K warm white light, ideal for creating ambiance in courtyards and gardens.
- **Durable Construction:** Made of cast metal, these lights are built to last and are corrosion-resistant, suitable for all types of weather (windproof, rainproof, snowproof, sunproof).
- **Adjustable Head:** The lamp head boasts a 180° adjustable angle, allowing precise direction of light to highlight specific features.

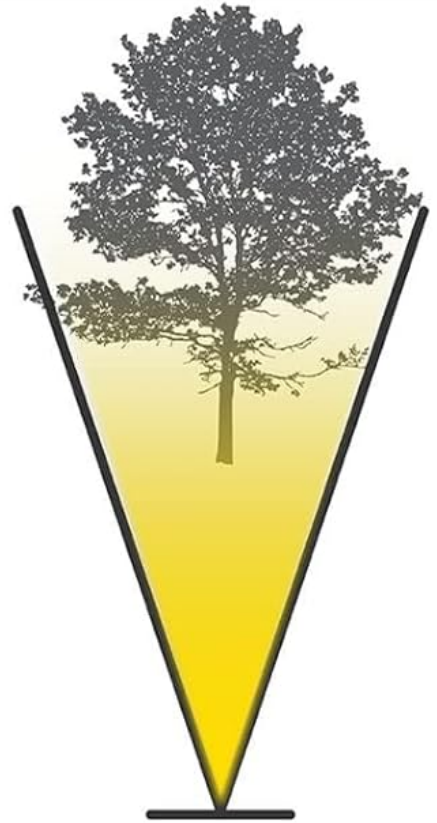


Figure 4.1: Product dimensions and bulb specifications.



17°

Beam Spread
Concentrating effect



30°

Beam Spread
Flood effect

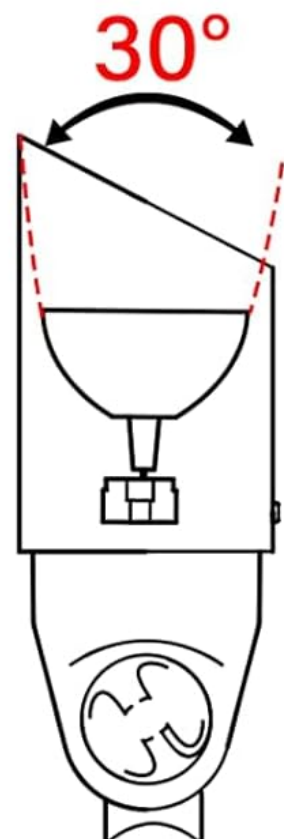
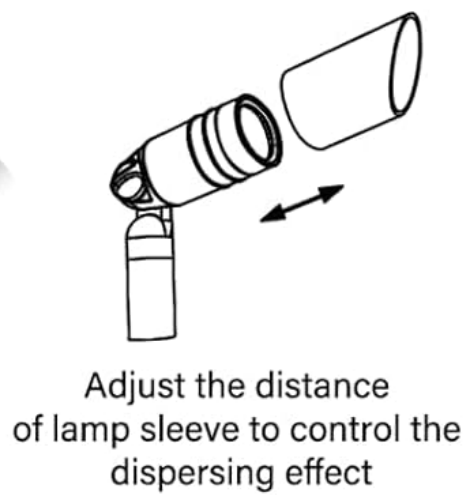
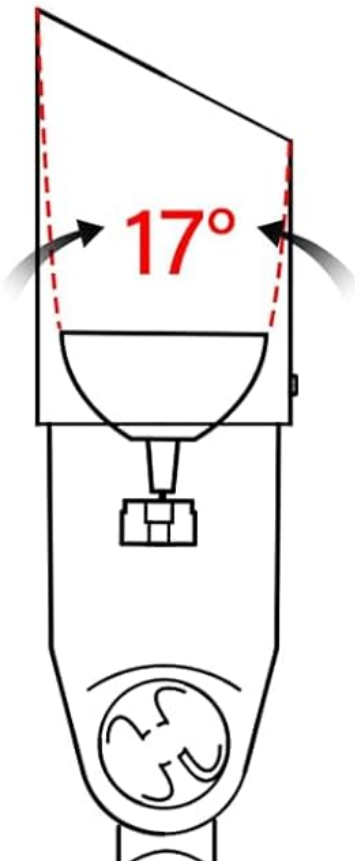


Figure 4.2: Beam spread adjustment mechanism.

ALL WEATHER RESISTANT

Designed for superior weatherproof performance, these lights are engineered to withstand the rigors of various outdoor environments, providing reliable illumination regardless of weather conditions.

WINDPROOF RAINPROOF SNOWPROOF SUNPROOF

The image shows a black outdoor spotlight mounted on a post in a grassy area during a rainstorm. The spotlight's lens is illuminated from within, casting a warm glow. In the background, there are green bushes and another light fixture. At the bottom of the image, four circular icons represent different weather conditions: a cloud with wind lines for 'WINDPROOF', a cloud with rain lines for 'RAINPROOF', a cloud with snowflakes for 'SNOWPROOF', and a sun with rays for 'SUNPROOF'.

Figure 4.3: All-weather resistant design.



Figure 4.4: Exploded view of light components.

5. INSTALLATION GUIDE

These landscape lights are designed for easy DIY installation. Follow these steps for a successful setup:

1. **Plan Your Layout:** Determine the desired locations for your lights. Consider the areas you wish to illuminate and the path of your low voltage cable.
2. **Assemble the Light:** Attach the ground stake to the bottom of the light fixture. Ensure the wire from the light passes through the slot in the stake.

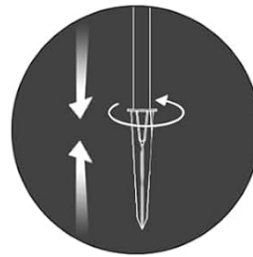
3. **Install the Bulb:** Carefully insert the MR11 halogen bulb into the lamp socket. Avoid touching the glass with bare hands. Secure the glass cover and aluminum lamp cap.
4. **Position the Light:** Firmly push the assembled light and stake into the ground at your desired location. Ensure it is stable and upright.
5. **Connect to Low Voltage Cable:** Use the provided wire connectors to connect the light's wire to your main low voltage landscape cable (not included). Ensure a secure, waterproof connection.
6. **Connect to Transformer:** Connect the main low voltage cable to your landscape lighting transformer (not included). Ensure the transformer's wattage capacity is sufficient for all connected lights.
7. **Test the System:** Once all lights are connected, plug in your transformer to test the system.

INSTALLTION PROCEDURE

CONVENIENT AND QUICK



Assemble fixture as shown on the right. Make sure the wire go through the slot of the stake



Connect with existing lighting system

(The low voltage cable and transform are not included)



Figure 5.1: Installation procedure diagram.

6. OPERATING INSTRUCTIONS

These lights are designed for simple operation once installed:

- **Power On/Off:** The lights are controlled by the low voltage transformer they are connected to. Most transformers have a timer or a manual on/off switch. Refer to your transformer's manual for specific operating instructions.

- **Adjusting Beam Spread:** To change the beam spread from a narrow spot (17°) to a wider flood (30°), gently slide the aluminum lamp cap forward or backward. Experiment to achieve your desired lighting effect.
- **Adjusting Light Angle:** The light head can be manually adjusted up to 180° to direct the light beam precisely where needed. Loosen the knob on the side, adjust the angle, and then tighten the knob to secure.



Figure 6.1: Example of light in use.



Figure 6.2: Landscape lights illuminating a backyard at night.

7. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your landscape lights:

- **Cleaning:** Periodically wipe down the light fixtures with a soft, damp cloth to remove dirt, dust, and debris. Avoid abrasive cleaners.
- **Bulb Replacement:** If a bulb burns out, ensure the power to the transformer is off and the light fixture has cooled completely. Unscrew the lamp cap, carefully remove the old MR11 halogen bulb, and insert a new 20W MR11 halogen bulb. Reassemble the fixture securely.
- **Inspect Wiring:** Annually inspect all wiring and connections for any signs of wear, damage, or corrosion. Repair or replace as necessary.
- **Clear Debris:** Keep the area around the lights clear of leaves, mulch, and other debris that could obstruct light or retain moisture.

8. TROUBLESHOOTING

If you encounter issues with your landscape lights, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights not turning on.	No power to transformer, faulty transformer, loose wire connections, burnt-out bulb.	Check transformer's power supply and timer settings. Inspect all wire connections for tightness. Replace any burnt-out bulbs. Test transformer output.
Some lights are out.	Burnt-out bulb, faulty wire connector, damaged wire.	Identify and replace the specific burnt-out bulb. Check the wire connection for the affected light. Inspect the wire for cuts or damage.
Lights are dim.	Too many lights on one transformer, voltage drop due to long wire runs or thin wire gauge, dirty bulb/fixture.	Ensure total wattage does not exceed transformer capacity. Use appropriate wire gauge for your total wattage and cable length. Clean the bulb and fixture.
Bulbs burning out frequently.	Over-voltage from transformer, faulty bulbs, excessive vibration, touching bulb with bare hands during installation.	Verify transformer output voltage. Use high-quality replacement bulbs. Ensure lights are securely staked to minimize vibration. Handle bulbs with a cloth or gloves.
Water inside fixture.	Loose lamp cap, damaged sealing ring.	Ensure the lamp cap is tightly screwed on. Inspect the sealing ring for damage and replace if necessary.

9. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	8308-9603
Brand	Generic
Light Source Type	Halogen (MR11 Bi-Pin)
Wattage	20 Watts per light
Brightness	176 Lumens per light
Color Temperature	3000K (Warm White)
Voltage	12 Volts (Low Voltage)
Material	Aluminum (Cast Metal)
Finish Type	Lacquered (Aged Brass Color)
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	Waterproof
Product Dimensions (each)	5.6"L x 2"W x 13.5"H (with stake)
Item Weight	7.73 pounds (for 8-pack)
Included Components	Bulb, Stake, Connector

10. WARRANTY AND SUPPORT

For any questions, concerns, or technical support regarding your Low Voltage Landscape Lights Kit, please contact the seller or manufacturer directly through your purchase platform. Please have your model number (8308-9603) and purchase date available when contacting support.