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Gardenreet IGWL-2202B-8PCS-5000K-BULB

Instruction Manual

Gardenreet Low Voltage Landscape Well Lighting

Model: IGWL-2202B-8PCS-5000K-BULB

Product Overview

The Gardenreet Low Voltage Landscape Well Lighting fixture is designed for durable and efficient outdoor illumination. Crafted with a solid brass top and a robust PVC bottom, these lights are built to withstand various environmental conditions while providing versatile lighting options for your landscape.



Image: An 8-pack of Gardenreet Low Voltage Landscape Well Lights, showcasing the brass top and black body, along with included MR16 bulbs and wire connectors.

Key features include a replaceable LED bulb for customizable light color and brightness, an IP65 waterproof rating for all-weather performance, and a low 12V voltage for safety and energy efficiency. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your lighting system.

What's in the Box

Each package contains the following components:

- Brass well light fixture
- 5W 5000K 45-degree MR16 LED 5000K Bulb
- Two wire connectors
- 72" Spt-1W 18 gauge lead wire
- Instruction Manual (this document)



Image: A visual representation of the components included in the package: the light fixture, two wire connectors, and the MR16 LED bulb. Dimensions of the fixture are also shown.

Note: A low voltage transformer and main cable are required and sold separately.

Setup and Installation

Proper installation is crucial for the performance and longevity of your landscape lighting. Please follow these steps carefully:

1. **Prepare the Fixture:**

- Unscrew the top of the light fixture to access the bulb socket.
- Insert the MR16 LED bulb into the G5.3 socket. Ensure it clicks securely into place to prevent flickering.
- Place the high-temperature silicone gasket back onto the fixture, then reattach the brass grated top, ensuring a tight seal for waterproofing. Slightly tighten the four screws first, then fully tighten them to prevent the waterproof gasket from deforming.

Image: Close-up view of the light fixture with the top removed, showing the G5.3 socket and the MR16 bulb being inserted. An arrow indicates the direction of insertion.



Image: Two panels showing the high-temperature silicone gasket and the process of securing the brass top onto the fixture. Instructions emphasize tightening screws gradually for a proper waterproof seal.

2. **Install the Transformer:** Install your low voltage transformer (sold separately) in a suitable location, typically near a 120VAC power source.
3. **Lay Main Cable:** Run the main low voltage cable (sold separately) from the transformer along the path where you intend to place the light fixtures.
4. **Connect the Lights:**
   - Connect the pre-stripped 72" 18AWG copper wire from each light fixture to the main cable using the provided wire connectors. Ensure a water-tight connection.
   - For safety, the total wattage of the connected lights should not exceed 80% of the transformer's rated capacity.
5. **Test and Bury:** Before burying, test all connections to ensure the lights are functioning correctly. Once confirmed, dig appropriate holes and place the fixtures in the ground.



Image: A step-by-step diagram illustrating the installation process, from installing the transformer to connecting and burying the lights along a path.



Image: A chart providing guidance on selecting a suitable transformer wattage based on the number of lights and their individual wattage, along with a wire gauge selection table for different distances and wattages.

Operating Instructions

Your Gardenreet landscape lights are designed for simple operation once installed. They are powered by a 12V low voltage system, which is safe for outdoor use around children and pets.

- **Power On/Off:** Control the lights using the connected low voltage transformer. Many transformers offer timers or smart control options for automated operation.
- **Bulb Replacement:** The MR16 LED bulbs are replaceable, allowing you to customize the light color (e.g., 2700K Warm, 3000K Neutral, 4000K Cool, or 5000K Daylight) and brightness. Refer to the "Setup and Installation" section for bulb replacement steps.

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Video: An official product video demonstrating the features and installation of Gardenreet LED Low Voltage Brass Landscape Well Lights, including views of the product components and various lighting applications.

These lights are versatile and can be used for various outdoor lighting applications:

- **Pathway Lighting:** Illuminate walkways for safety and aesthetic appeal.
- **Tree Uplighting:** Highlight trees and architectural features.
- **Garden Accent:** Enhance flower beds and garden elements.
- **Wall Washing:** Create dramatic effects on walls and fences.

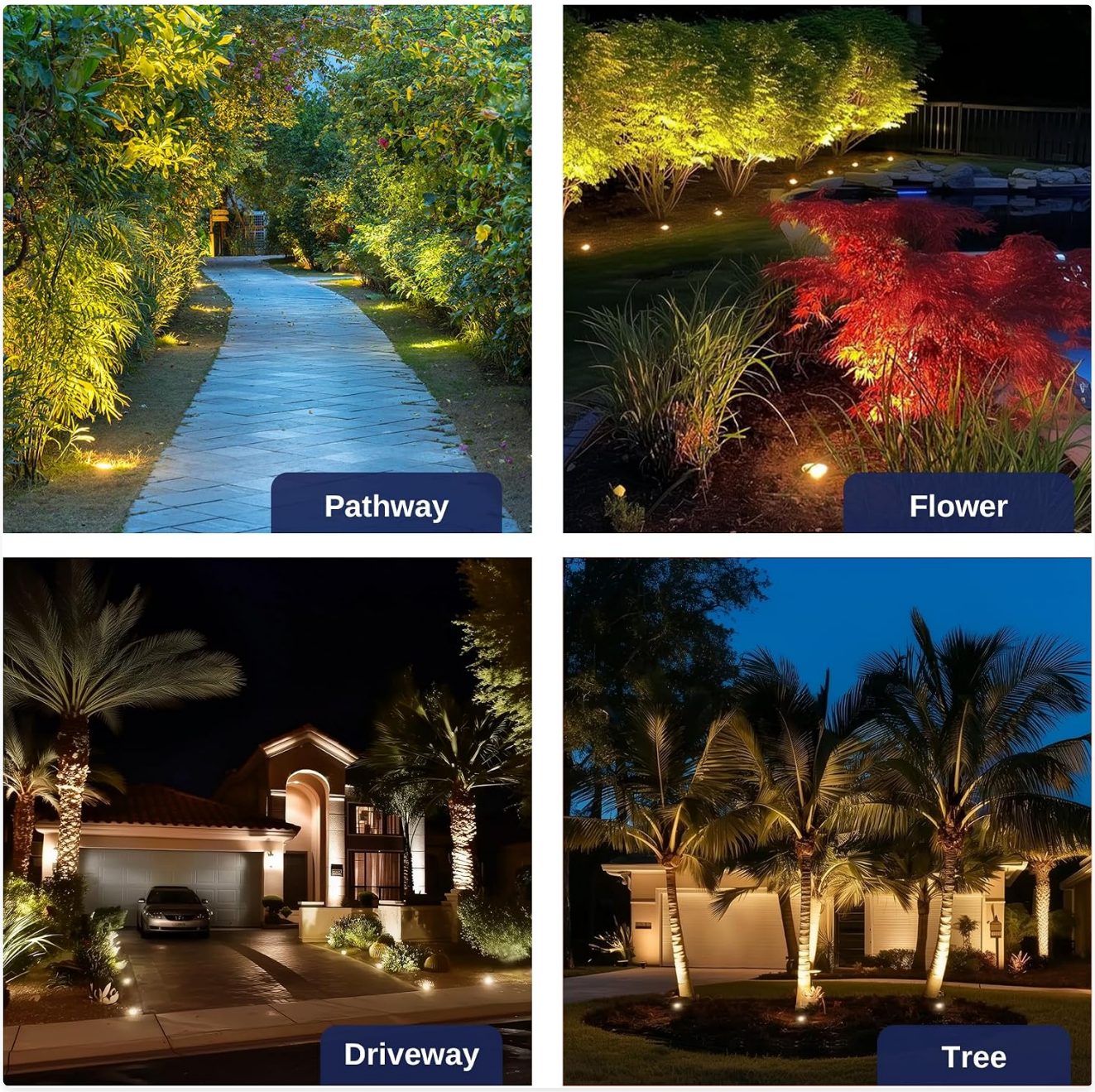


Image: A collage showing different applications of the landscape lights, including illuminating pathways, highlighting trees, and accenting garden areas.

Maintenance

The Gardenreet landscape lights are designed for low maintenance and long-term durability. Follow these guidelines to ensure continued performance:

- **Cleaning:** Periodically clean the brass top and glass lens with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners that could damage the finish.
- **Bulb Replacement:** As mentioned, the MR16 bulbs are replaceable. If a bulb burns out or you wish to change the light color/brightness, simply follow the bulb replacement steps in the "Setup and Installation" section.
- **Waterproofing:** The IP65 rating ensures protection against dust and water jets. Regularly inspect the fixture for any signs of damage to the seals or casing that could compromise its waterproof integrity. Ensure the top is securely fastened after any maintenance.
- **Corrosion Resistance:** The solid brass construction provides excellent corrosion resistance. However, in highly corrosive environments, occasional inspection for mineral buildup or unusual discoloration is recommended.



Image: Illustrates the IP65 waterproof rating and the fixture's resistance to corrosion, heat, and frost, highlighting its durability in various weather conditions.

Troubleshooting

If you encounter issues with your Gardenreet landscape lights, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Light does not turn on.	No power to the transformer, loose wiring connection, faulty bulb, or transformer overload.	Check transformer power supply. Inspect all wire connections for tightness. Replace the MR16 bulb. Ensure total wattage does not exceed 80% of transformer capacity.
Light flickers.	Bulb not securely seated in the socket, or loose wiring.	Ensure the bulb is fully clicked into the G5.3 socket. Check wire connections.

Problem	Possible Cause	Solution
Lights are too dim or too bright.	Incorrect bulb wattage or color temperature.	Replace the MR16 bulb with one of the desired wattage or color temperature.
Cannot dim the lights.	Non-dimmable bulbs or no dimmer switch installed.	Use dimmable MR16 bulbs and install a compatible low voltage dimmer switch.

For further assistance, please contact Gardenreet customer service.

Specifications

Attribute	Detail
Brand	Gardenreet
Model Number	IGWL-2202B-8PCS-5000K-BULB
Color	Bronze-02B (Wiring Required)
Material	Solid Brass (Top), PVC (Bottom)
Product Dimensions	4.92"L x 4.92"W x 6.15"H
Item Weight	16.54 Pounds (for 8-pack)
Power Source	AC/DC (12 Volts)
Light Source Type	LED (MR16 Bulb)
Bulb Base	GU5.3
Wattage (per bulb)	5 watts (Max Compatible Wattage: 50 Watts)
Brightness	450 Lumen
Color Temperature	5000 Kelvin (Daylight White)
Average Life	50000 Hours
Waterproof Rating	IP65
Certifications	ETL-certified
Lead Wire Length	72" (18AWG)
Mounting Type	In Ground Mount
Indoor/Outdoor Usage	Outdoor use only

Warranty and Support

Gardenreet provides a **Lifetime Quality Replacement Support** for these brass low voltage landscape lighting fixtures. This warranty covers defects in materials and workmanship under normal use.

For any questions, concerns, or to claim warranty support, please contact our customer service team. We are available 24/7 to assist you and ensure your satisfaction.

Contact information can typically be found on the product packaging or through the retailer's support channels.

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