

PARTPHONER SO080-1

PARTPHONER Low Voltage Landscape Lighting 12-Pack Instruction Manual

Model: SO080-1

1. PRODUCT OVERVIEW

The PARTPHONER Low Voltage Landscape Lighting 12-Pack provides efficient and aesthetically pleasing illumination for outdoor spaces. These pathway lights feature a durable aluminum construction, G4 LED bulbs, and are designed for easy installation in various outdoor environments.

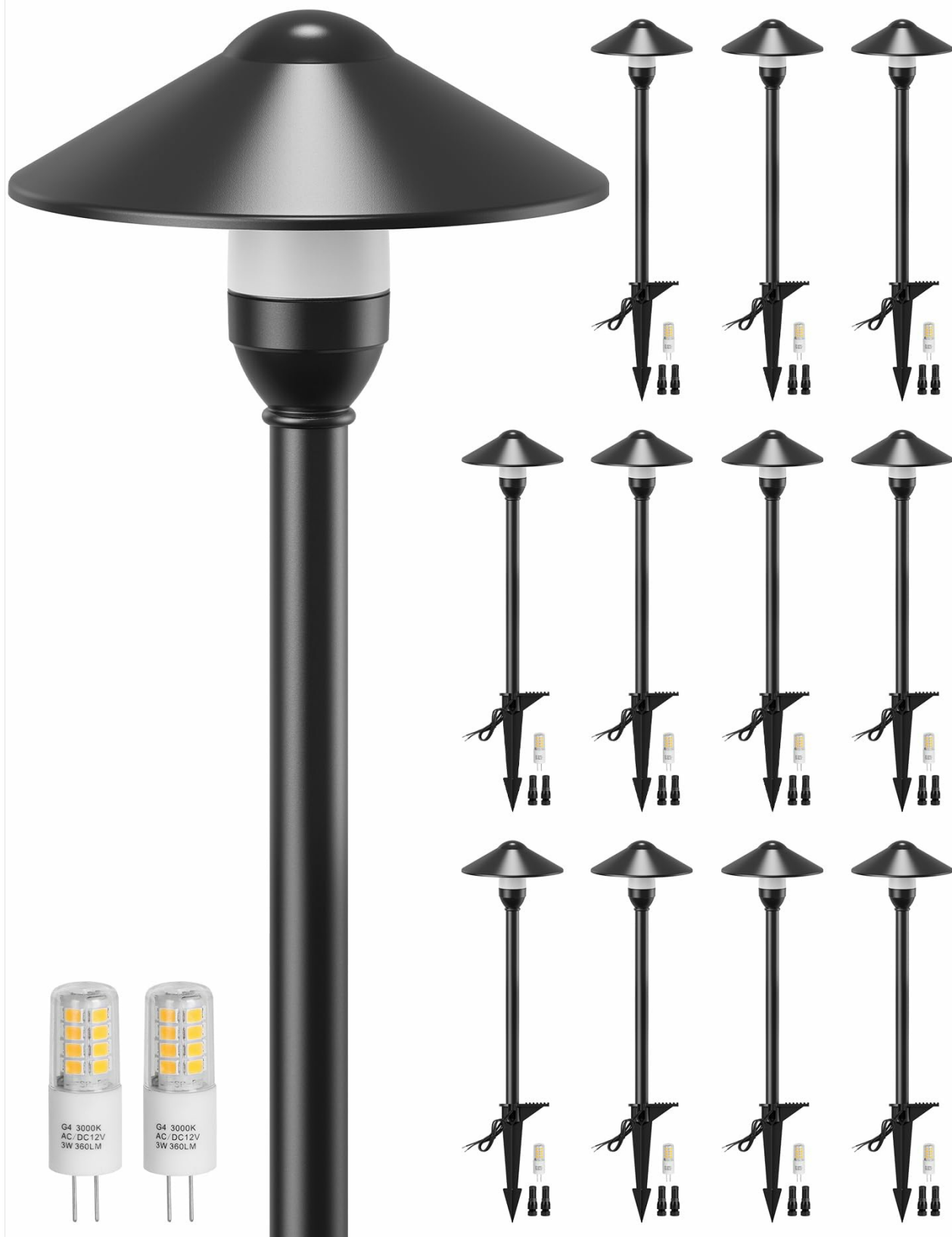


Image: PARTPHONER Low Voltage Landscape Lighting 12-Pack. This image displays the complete set of 12 pathway lights in their packaging.

Key Features:

- **Replaceable G4 LED Bulbs:** Each light comes with a 3W, 3000K G4 LED bulb, allowing for easy replacement without needing to change the entire fixture.
- **Durable Construction:** Crafted with robust aluminum housing and an IP65 waterproof rating, designed to withstand various weather conditions from -4°F to 104°F.

- **Elegant Design:** Features a matte black finish and a round hat-shaped shade, suitable for modern outdoor aesthetics.
- **Low Voltage Operation:** Operates on a 12V AC/DC power supply, making it safe for outdoor use around children and pets.
- **Easy Installation:** Designed for straightforward setup, ideal for DIY enthusiasts.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the lights. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Ensure the power supply is disconnected before installation, maintenance, or bulb replacement.
- Use only a 12V AC/DC low voltage landscape lighting transformer (not included). Do not connect directly to 120V household current.
- Do not submerge the lights in water. While IP65 rated for water resistance, prolonged submersion is not recommended.
- Keep children and pets away from the installation area during setup.
- If you are unsure about any part of the installation process, consult a qualified electrician.
- Ensure all connections are secure and protected from moisture.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation.



Image: Accessory List. This image shows the individual components included with the landscape lights.

- 12 x Aluminum Pathway Light Fixtures (includes elegant hat-shaped shade, heat-resistant PC lens, aluminum pole, and ETL certified wiring)
- 14 x G4 Bi-pin LED Bulbs (12 for installation, 2 spares)
- 12 x Fastlock Wire Connectors
- 12 x Aluminum Stakes

Note: Transformer and main low-voltage cable are not included and must be purchased separately.

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your PARTPHONER landscape lights.

4.1 Assembly

1. Carefully unpackage all components.
2. Insert the G4 LED bulb into the socket located inside the light fixture. Ensure it is seated firmly.
3. Attach the heat-resistant PC lens and the hat-shaped shade to the top of the aluminum pole.
4. Screw the aluminum stake onto the bottom of the aluminum pole.

4.2 Placement and Wiring

1. Plan your desired layout for the pathway lights. Consider spacing them approximately 7.8 feet apart for optimal illumination along pathways, driveways, or garden beds.
2. Dig a small trench or use a landscape staple gun to secure the main low-voltage cable (not included) along your planned path.
3. Position each assembled light fixture in its desired location. Use the foot pedal on the aluminum stake to firmly push it into the ground.
4. Connect the wires from each light fixture to the main low-voltage cable using the provided fastlock wire connectors. Ensure a secure connection by aligning the wires and snapping the connector shut.
5. Connect the main low-voltage cable to your 12V AC/DC landscape lighting transformer (not included).

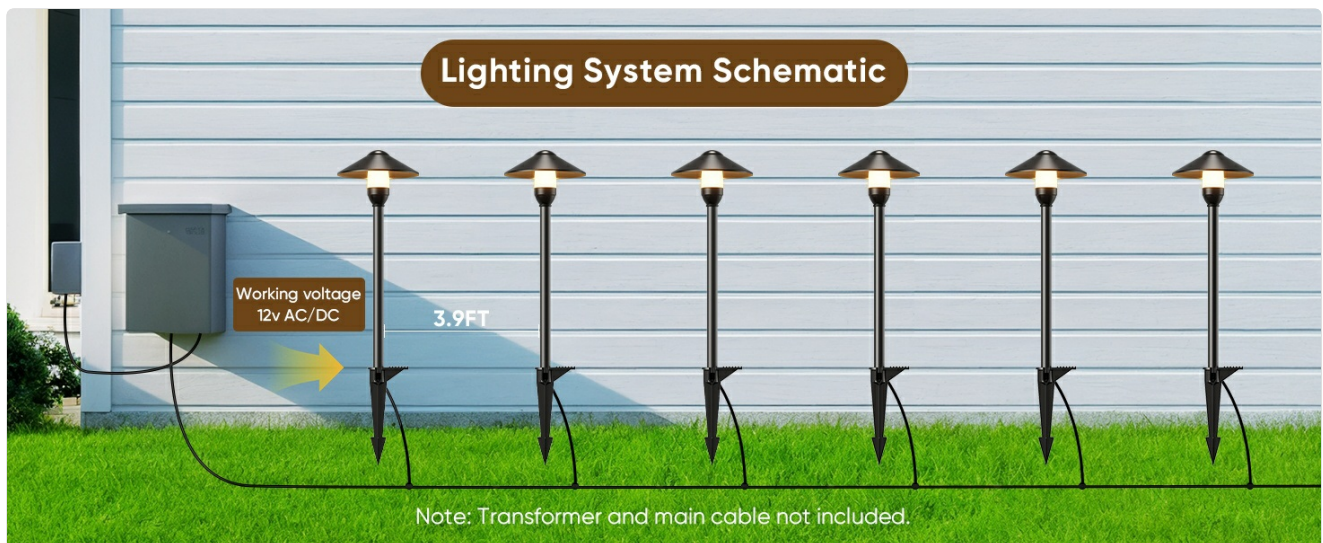


Image: Lighting System Schematic. This diagram illustrates how multiple pathway lights connect to a 12V AC/DC transformer via a main cable.



Image: Flexible Landscape Layout. This image demonstrates how the lights can be arranged to adapt to various garden and pathway shapes.

4.3 Cable Selection Guide

Selecting the correct gauge for your low-voltage cable is crucial for optimal performance. Refer to the table below:

Cable Selection			
12 VOLT TAP	Cable Length		
Total Fixture Wattage	0 - 50 feet	51 - 100 feet	101 - 150 feet
0 - 60 Watts	16 AWG	16 AWG	14 AWG
61 - 120 Watts	16 AWG	14 AWG	12 AWG
121 - 180 Watts	14 AWG	12 AWG	Not Recommended
181 - 240 Watts	14 AWG	12 AWG	Not Recommended
241 - 300 Watts	12 AWG	Not Recommended	Not Recommended
600W Transformer=(2x300) Watts	12 AWG	Not Recommended	Not Recommended

What wattage transformer do I need to run these lights?

A transformer works best when used within 80% of its rated capacity. If you buy a 12 pack landscape lights, then $12 \times 3W / 0.8 = 45$. A 45W transformer will be sufficient.

Image: Cable Selection Table. This table provides guidance on appropriate cable gauge based on total fixture wattage and cable length.

Recommended Cable Gauge (12 VOLT TAP)

Total Fixture Wattage	0 - 50 feet	51 - 100 feet	101 - 150 feet
0 - 60 Watts	16 AWG	16 AWG	14 AWG
61 - 120 Watts	16 AWG	14 AWG	12 AWG
121 - 180 Watts	14 AWG	12 AWG	Not Recommended
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241 - 300 Watts	12 AWG	Not Recommended	Not Recommended
600W Transformer (2x300 Watts)	12 AWG	Not Recommended	Not Recommended

A transformer works best when used within 80% of its rated capacity. For a 12-pack of lights ($12 \times 3W = 36W$), a 45W transformer

will be sufficient.

5. OPERATING INSTRUCTIONS

Once properly installed and connected to a 12V AC/DC transformer, the lights will operate according to the transformer's settings. Most landscape transformers include a timer or photocell for automatic dusk-to-dawn operation.

- **Power On:** Ensure the transformer is plugged into a GFCI-protected outdoor outlet and turned on.
- **Timer/Photocell:** Adjust your transformer's settings to control when the lights turn on and off.
- **Light Output:** The lights provide a warm white (3000K) illumination, suitable for creating a cozy ambiance.



Image: Landscape Lighting Applications. This image shows the lights illuminating various outdoor areas such as driveways, pathways, and gardens.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your landscape lights.

6.1 Bulb Replacement

The G4 LED bulbs are designed to be easily replaceable.

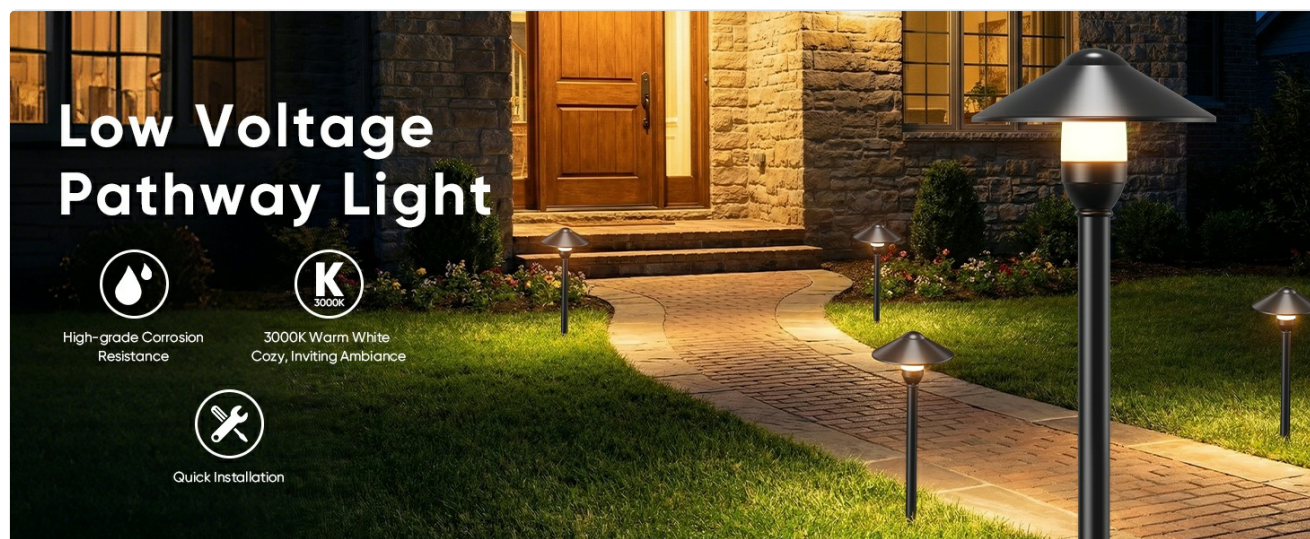


Image: Bulb Replacement Diagram. This image illustrates the non-integrated design of the lights, allowing for easy bulb replacement.

1. **Disconnect Power:** Always turn off the transformer and disconnect power to the lights before attempting bulb replacement.
2. **Remove Shade/Lens:** Carefully remove the hat-shaped shade and heat-resistant PC lens to access the bulb.
3. **Replace Bulb:** Gently pull out the old G4 bulb and insert a new G4 LED bulb (3W, 12V AC/DC, 3000K).
4. **Reassemble:** Reattach the lens and shade securely.
5. **Restore Power:** Turn on the transformer to test the new bulb.

6.2 Cleaning

- Periodically wipe down the light fixtures with a soft, damp cloth to remove dirt and debris.
- Avoid using harsh chemicals or abrasive cleaners, as these can damage the finish.

6.3 Connection Check

- Inspect wire connections annually to ensure they remain secure and free from corrosion.
- Ensure the stakes are firmly anchored in the ground.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Lights do not turn on	No power to transformer	Check GFCI outlet, ensure transformer is plugged in and turned on.
	Faulty bulb	Replace the G4 LED bulb.
	Loose wire connection	Inspect all fastlock connectors and main cable connections. Re-secure if loose.
	Faulty transformer	Test transformer with another low-voltage device or replace if necessary.
Lights are dim or flicker	Incorrect cable gauge for length/wattage	Refer to the Cable Selection Guide (Section 4.3) and replace cable if too thin.
	Too many lights on one circuit	Reduce the number of lights or use a higher wattage transformer.
	Loose connection or corrosion	Check and clean all electrical connections.
Water inside light fixture	Improper assembly or damaged seal	Ensure lens and shade are securely fastened. Check for any cracks or damage to the fixture.

8. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Brand	PARTPHONER
Model Number	SO080-1
Material	Aluminum
Color	Black
Power Source	Corded Electric (Low Voltage)
Voltage	12V AC/DC
Bulb Type	G4 LED
Bulb Wattage	3W per bulb
Color Temperature	3000K (Warm White)
Water Resistance Level	IP65 Waterproof
Operating Temperature	-4°F to 104°F
Item Dimensions (L x W x H)	6"L x 6"W x 22.83"H (per light)
Number of Lights	12
Manufacturer	Shenzhen Senter Ecommerce Co. Ltd



Image: Product Dimensions. This diagram provides detailed measurements of the light fixture and stake.

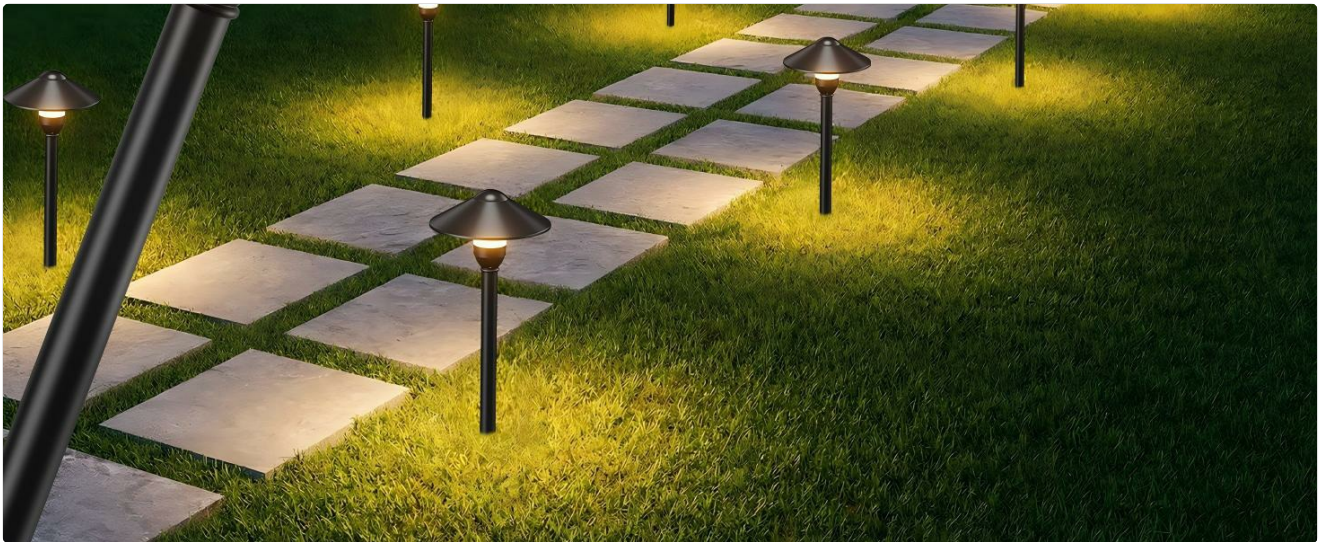


Image: IP65 Waterproof and Temperature Resistance. This image highlights the product's durability against corrosion, heat, and frost.

9. WARRANTY AND SUPPORT

PARTPHONER stands behind the quality of its products.

- **Warranty:** This product is backed by a 36-month replacement warranty from the date of purchase.
- **Customer Support:** For any questions, concerns, or warranty claims, please contact PARTPHONER customer service. Refer to your purchase documentation for contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question