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Gama Sonic 146iP250080

Gama Sonic Luxor Solar Pathway Light (Model 146iP250080) Instruction Manual

Your guide to installation, operation, and maintenance.

1. Introduction

Thank you for choosing the Gama Sonic Luxor Solar Pathway Light. This manual provides essential information for the proper setup, operation, and maintenance of your solar lights. Please read these instructions carefully before installation and retain them for future reference.

Product Features

- **Powerful Illumination:** Provides 50 lumens of warm white (2700K) LED light for landscapes and pathways.
- **Modern Design:** Features a sleek cast aluminum construction.
- **High-Performance Solar Panel:** Integrated monocrystalline panel for optimal energy absorption.
- **Automatic Dusk-to-Dawn Operation:** Lights activate automatically at dusk and turn off at dawn.
- **Selectable Brightness:** High and Low light output settings.
- **Durable Construction:** Weather-resistant design with tempered glass solar panels and a 5+ year battery lifespan.

Image 2.2: High/Off/Low Switch location.

2.4 Placement Guidelines

Choose a location for your solar light where the solar panel will receive at least 6 hours of direct, unobstructed sunlight daily. Avoid placing the light under trees, eaves, or in shaded areas, as this will reduce charging efficiency and light duration.

Image 2.3: Proper placement of solar pathway lights in a sunny area.

3. Operating Instructions

The Gama Sonic Luxor Solar Pathway Light is designed for automatic operation.

- Once the switch is set to 'High' or 'Low' and the battery is charged, the light will automatically turn on at dusk.
- The light will remain illuminated throughout the night, or until the battery charge is depleted.
- At dawn, the light will automatically turn off and begin recharging its battery using the solar panel.

Brightness Settings

The High/Off/Low switch allows you to select the desired brightness level:

- **High:** Provides maximum illumination (50 lumens) for brighter lighting.
- **Low:** Provides a softer light, which can extend the operating time if less brightness is sufficient.
- **Off:** Turns the light off completely, useful for storage or extended periods of non-use.

4. Maintenance

Regular maintenance ensures the longevity and optimal performance of your solar light.

- **Cleaning the Solar Panel:** Periodically wipe the solar panel with a damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Battery Care:** The integrated Lithium-Ion battery has a lifespan of 5+ years. If the light duration significantly decreases after several years, the battery may need replacement. Refer to the manufacturer's website or contact support for replacement battery information.
- **General Cleaning:** Clean the light fixture with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish or components.

5. Troubleshooting

If your Gama Sonic Luxor Solar Pathway Light is not functioning as expected, please refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	1. Switch is in 'Off' position. 2. Insufficient sunlight for charging. 3. Battery is depleted or faulty.	1. Ensure the switch is set to 'High' or 'Low'. 2. Relocate the light to an area with at least 6 hours of direct sunlight daily. Clean the solar panel. 3. Allow several days of full charging. If issue persists, consider battery replacement.
Light is dim or only stays on for a short period.	1. Insufficient sunlight for charging. 2. Solar panel is dirty. 3. Battery capacity has degraded.	1. Ensure optimal sunlight exposure. 2. Clean the solar panel thoroughly. 3. If the light is several years old, the battery may need replacement.
Light flickers.	1. Loose connection. 2. Battery issue.	1. Check all connections and ensure they are secure. 2. Allow for full charging. If flickering continues, contact customer support.

6. Specifications

Detailed specifications for the Gama Sonic Luxor Solar Pathway Light (Model 146iP250080):

Feature	Detail
Brand	Gama Sonic
Model Number	146iP250080
Product Dimensions	4.5 x 4.5 x 22.75 inches (L x W x H)
Item Weight	1.8 pounds
Material	Aluminum
Color	Solid Black
Power Source	Solar Powered

Feature	Detail
Lumen Output	50 Lumens
Light Color Temperature	Warm White (2700K)
Battery Type	1 Lithium Ion battery (included)
Battery Lifespan	5+ years
Solar Panel Lifespan	10+ years (tempered glass)
Switch Style	Touch (High/Off/Low)
Specific Uses	Garden, Pathway, Landscape Lighting

Image 6.1: Product Dimensions.

7. Warranty and Support

7.1 Warranty Information

Gama Sonic offers a 2-year residential warranty and a 5-year commercial warranty on its lights. This warranty covers defects in materials and workmanship under normal use.

7.2 Customer Support

For technical assistance, warranty claims, or to inquire about replacement parts, please contact Gama Sonic customer support. Refer to the official Gama Sonic website for the most current contact information.