

Britta Products SNL-003

Britta Products SNL-003 Solar LED Marina Dock Safety Beacon Light User Manual

Model: SNL-003

1. PRODUCT OVERVIEW

The Britta Products SNL-003 Series marine warning light is designed for reliable all-night performance in various marine and outdoor applications. This solar-powered LED beacon offers both constant-on and flashing modes, providing up to 2 nautical miles (NM) of visibility.

Key features include:

- Super bright 2 NM visibility.
- Large solar panel and high-capacity 2400mAH internal battery for extended operation.
- Waterproof design with an IP65 rating, suitable for docks and maritime use.
- Durable anti-UV polycarbonate shell.
- Color-coordinated reflective tape on the lamp base for enhanced visibility.

Applications include private docks, navigation aids, port and channel markers, boats, barges, breakwaters, construction sites, and work areas.

2. SAFETY INFORMATION

Please read all safety instructions before installing and operating the SNL-003 beacon light. Failure to follow these instructions may result in damage to the product or personal injury.

- **Installation:** Ensure the light is securely mounted to prevent it from falling, especially in marine environments where vibrations or strong winds may occur.
- **Water Exposure:** While the unit is IP65 rated for water resistance, avoid submerging the unit for extended periods unless specifically designed for such use. Ensure the waterproof push button is properly sealed after mode selection.
- **Battery:** The internal battery is replaceable. When replacing, use only specified battery types to avoid damage or fire hazards. Do not attempt to open the battery compartment unless performing a battery replacement.
- **Solar Panel:** Do not cover the solar panel during daylight hours, as this will prevent charging.

- **Visibility:** The 2NM visibility rating is dependent on height above ground/water and other obstructions. Always consider local regulations and conditions for navigation.

3. PACKAGE CONTENTS

Upon unpacking, verify that all components are present and undamaged:

- 1 x SNL-003 Solar LED Marina Dock Safety Beacon Light (Green LED)
- 1 x Integrated Solar Panel
- 1 x Internal 2400mAH Rechargeable Battery (pre-installed)

Note: Mounting hardware is not included and must be purchased separately.

4. SETUP AND INSTALLATION

Proper installation ensures optimal performance and longevity of your SNL-003 beacon light.

4.1 Initial Charging

Before first use, place the light in direct sunlight for at least 24-48 hours with the unit turned off. This allows the internal battery to reach a full charge, ensuring maximum performance from the start.

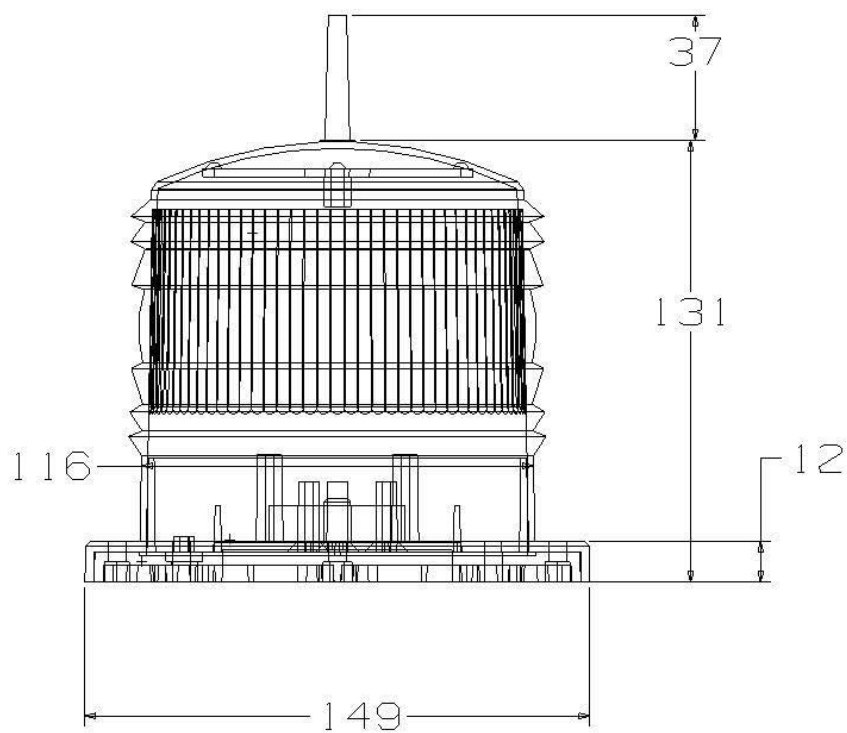
4.2 Mounting Location

Select a mounting location that receives maximum direct sunlight throughout the day. Avoid areas shaded by buildings, trees, or other obstructions. For marine applications, ensure the light is mounted at a height that provides the desired visibility range and is clear of potential obstructions.

4.3 Mounting Procedure

The SNL-003 features an easy flange mounting design. Use appropriate hardware (screws, bolts, etc., not included) suitable for your mounting surface (e.g., wood, metal, concrete).

1. Position the light on the desired surface.
2. Mark the locations for drilling through the mounting flange.
3. Drill pilot holes if necessary.
4. Secure the light using suitable fasteners. Ensure the light is stable and cannot be dislodged by environmental factors.



TOP WORK

Figure 1: Technical drawing illustrating the dimensions of the SNL-003 beacon light. All measurements are in millimeters.

5. OPERATING INSTRUCTIONS

The SNL-003 beacon light is designed for simple operation with automatic dusk-to-dawn functionality.

5.1 Mode Selection

The light offers two operating modes: Constant-On and Flashing. To select the desired mode:

1. Locate the waterproof push button on the underside of the lamp.
2. Press the button once to cycle between modes.
3. The light will indicate the selected mode (e.g., a brief flash for flashing mode, or continuous light for constant-on mode).
4. Ensure the button is fully sealed after selection to maintain water resistance.

The flashing mode operates at approximately 30 flashes per minute.

5.2 Automatic Operation

Once a mode is selected and the battery is charged, the light will automatically turn on at dusk and turn off at dawn. The integrated solar panel charges the battery during daylight hours.

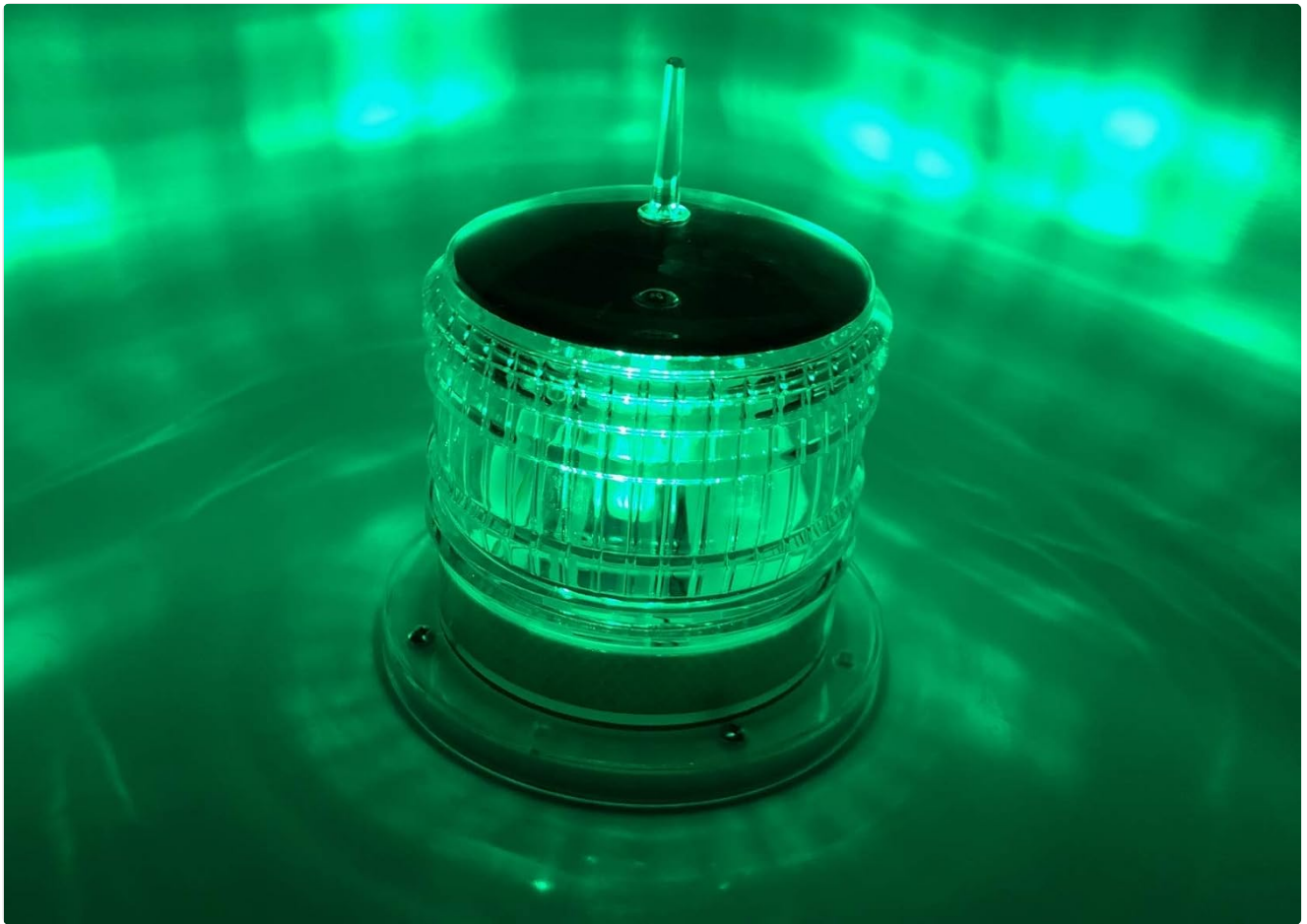


Figure 2: The SNL-003 Green LED beacon light, showing its clear polycarbonate housing and solar panel.



Figure 3: Example of beacon lights in use, illustrating their application in marking waterways.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your SNL-003 beacon light.

6.1 Cleaning the Solar Panel

Periodically clean the solar panel surface with a soft, damp cloth to remove dust, dirt, salt spray, or debris. A clean solar panel ensures efficient charging of the battery.

6.2 Battery Replacement

The internal 2400mAH battery is replaceable. If the light's performance significantly degrades (e.g., shorter operating time at night), the battery may need replacement. Refer to the manufacturer's guidelines for compatible replacement batteries. Ensure the unit is turned off and disconnected from any power source before attempting battery replacement.

6.3 Inspection

Regularly inspect the unit for any signs of damage, such as cracks in the housing or loose mounting. Address any issues promptly to maintain the unit's IP65 rating and structural integrity.

7. TROUBLESHOOTING

If you encounter issues with your SNL-003 beacon light, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge. Mode not selected. Battery depleted or faulty.	Ensure solar panel is clean and receives direct sunlight for at least 24-48 hours. Press the mode selection button on the underside to activate a mode. Replace the internal battery if it is old or not holding a charge.
Light operates for a short duration.	Insufficient solar charge. Aging battery.	Clean solar panel and ensure optimal sun exposure. Replace the internal battery.
Light appears dim.	Dirty lens or solar panel. Low battery charge.	Clean the light's lens and solar panel. Allow the unit to charge fully in direct sunlight.
Water inside the unit.	Improper sealing of mode button. Damage to housing.	Ensure the waterproof push button is fully sealed after use. Inspect the housing for cracks or damage. If damaged, the IP rating may be compromised. Contact support for replacement options.

8. SPECIFICATIONS

Feature	Detail
Model Number	SNL-003
Light Color	Green
Visibility	Up to 2 Nautical Miles (NM)
Operating Modes	Constant-On, Flashing (30 flashes/minute)
Power Source	Solar Powered
Battery	1 x 2400mAH Product Specific Battery (included, replaceable)
Voltage	12 Volts
Material	Anti-UV Polycarbonate (PC)
Waterproof Rating	IP65
Mounting Type	Surface Mount (flange)

Feature	Detail
Light Source Type	LED
UPC	616453981263
ASIN	B08LKQGYF9

9. WARRANTY AND SUPPORT

Britta Products is committed to providing high-quality products. While specific warranty details are not provided in this manual, please retain your proof of purchase for any warranty claims.

For technical support, troubleshooting assistance, or inquiries regarding replacement parts, please contact Britta Products customer service through the retailer where the product was purchased or visit the official Britta Products website for contact information.

Manufacturer: Britta Products

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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