

Lopolight 301-001-6M

Lopolight 2nm 112.5 Degree Starboard Sidelight User Manual

Model: 301-001-6M | Brand: Lopolight

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Lopolight 2nm 112.5 Degree Starboard Sidelight. Designed for marine vessels, this high-quality LED navigation light ensures reliable visibility and compliance with international regulations. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

2. SAFETY INFORMATION

- Ensure the power supply is disconnected before installation or maintenance.
- Verify that the input voltage (10-32VDC) matches the product specifications to prevent damage.
- All electrical connections must be properly sealed and insulated to maintain the light's waterproof integrity.
- Do not attempt to open or modify the light housing, as it is a sealed unit and contains no user-serviceable parts.
- Install the light in a location that provides an unobstructed view of its intended arc of visibility (112.5 degrees starboard).

3. PRODUCT OVERVIEW

The Lopolight 2nm 112.5 Degree Starboard Sidelight is an advanced LED navigation light engineered for durability and performance. Its robust design ensures reliability in harsh marine environments.

Key Features:

- LED (Light Emitting Diode) navigation light for superior efficiency and lifespan.
- Unique and precise definition of light angles, ensuring compliance.
- Rugged and unbreakable: Precision machined anodised aluminium housing protects the LEDs and electronics.
- Completely waterproof and vibrationproof: Interior is fully filled and sealed with special potting resin.
- Waterproof to IP 68+ (submersible) rating.
- Low power consumption (70 to 90% less than traditional navigation lights).

- Full brightness with input voltages ranging from 10 to 32 Volts DC.

Product Components:

The product consists of the Lopolight 2nm 112.5 Degree Starboard Sidelight unit with an integrated 6-meter cable for electrical connection.



This image displays the Lopolight 2nm 112.5 Degree Starboard Sidelight. It features a robust, anodized aluminum housing with a green LED light visible. The top surface shows engraved specifications including 'LOPOLIGHT', '2 NM 112.5 STARBOARD SIDELIGHT', 'VESSEL SIZE 12m 50m 39-164', 'LED LIGHT NOM: 12VDC 24VDC', 'P.N 301-001', 'COLREG72 - EN14744 - UL1104', and 'USCG 2 NM'.

An arrow indicates the forward direction of the light.

4. INSTALLATION AND SETUP

4.1 Mounting

The Lopolight Starboard Sidelight is designed for vertical mounting. Choose a location on your vessel that provides an unobstructed view of the light's 112.5-degree arc from the bow to 112.5 degrees aft on the starboard side. Secure the light firmly using appropriate marine-grade fasteners (not included) through the designated mounting points. Ensure the light is oriented correctly with the arrow on the top surface pointing towards the bow of the vessel.

4.2 Electrical Connection

The light comes with a 6-meter cable. Connect the cable to your vessel's 10-32 Volts DC power supply. Observe correct polarity: the positive wire (typically red or marked with a stripe) connects to the positive terminal, and the negative wire (typically black) connects to the negative terminal. Use marine-grade connectors and ensure all connections are watertight and properly insulated to prevent corrosion and short circuits. It is recommended to install an inline fuse appropriate for the light's current draw (refer to specifications for current draw, typically very low for LEDs) to protect the circuit.

5. OPERATING INSTRUCTIONS

Operation of the Lopolight Starboard Sidelight is straightforward. Once properly installed and connected to a power source, the light will illuminate when power is supplied to the circuit. Control the light via your vessel's navigation light switch. Due to its low power consumption, the light can operate efficiently for extended periods.

6. MAINTENANCE

The Lopolight Starboard Sidelight requires minimal maintenance due to its robust and sealed design.

- **Cleaning:** Periodically clean the lens with fresh water and a soft cloth to remove salt spray, dirt, or marine growth. For stubborn grime, use a mild, non-abrasive soap. Avoid harsh chemicals or abrasive materials that could scratch the lens.
- **Inspection:** Regularly inspect the light and its cable for any signs of physical damage, corrosion, or loose connections. Ensure the mounting remains secure.
- **Sealed Unit:** The light is a completely sealed unit. Do not attempt to disassemble or repair it. Any unauthorized opening will void the warranty and may compromise its waterproof integrity.

7. TROUBLESHOOTING

If you encounter issues with your Lopolight, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Light not illuminating	No power supply; faulty wiring; incorrect voltage; blown fuse.	Check vessel's power supply; inspect all wiring connections; verify input voltage is 10-32VDC; check and replace fuse if necessary.
Light is dim or flickers	Low voltage; poor electrical connection; dirty lens.	Verify stable voltage supply; clean electrical contacts; clean the light's lens.
Light housing appears damaged	Physical impact.	Contact Lopolight support for assessment. Do not attempt to repair a damaged sealed unit.

8. SPECIFICATIONS

Attribute	Value
Brand	Lopolight
Model Number	301-001-6M
Light Color	Green (Starboard)
Intensity	5.4 cd
Vessel Size	Up to 50 meters (164 ft)
Mounting	Vertical

Attribute	Value
Number of LEDs	27
Input Voltage	10 to 32 Volts DC
Power Consumption	70-90% less than traditional lights
Waterproof Rating	IP 68+ (submersible)
Cable Length	6 meters
Certifications	COLREG72, EN14744, UL1104, USCG 2 NM
First Available Date	June 21, 2019

9. WARRANTY AND SUPPORT

Lopolight products are manufactured to the highest standards and come with a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Lopolight website.

For technical support, troubleshooting assistance, or warranty claims, please contact Lopolight customer service:

Website: www.lopolight.com (Please check the official website for the most current contact information.)

Email: Refer to website

Phone: Refer to website

Please retain your proof of purchase for warranty purposes.

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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

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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