

Hella 002984345

Hella 002984345 Starboard Navigation Light Instruction Manual

Model: 002984345

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Hella 002984345 Starboard Navigation Light. Please read these instructions carefully before use and retain them for future reference.

2. SAFETY INFORMATION

- Always disconnect power before installing, servicing, or cleaning the light.
- Ensure all electrical connections are secure and properly insulated to prevent short circuits and corrosion.
- Verify that the power supply voltage (12V DC) matches the light's requirements.
- Do not modify the light in any way, as this may compromise its performance and safety.
- This light is designed for marine use and is waterproof. However, avoid submerging it unless specifically rated for such use.

3. PRODUCT OVERVIEW

The Hella 2984 Series Starboard Navigation Light (Model 002984345) is a 12V DC light designed for marine vessels. It is internationally approved, non-magnetic, and saltwater resistant. The light features a UV and impact-resistant plastic housing that snaps to the base without screws, simplifying installation. Its design incorporates a vertically hanging bulb and contacts in the upper area to prevent corrosion, ensuring reliability and longevity in harsh marine environments. This light provides a minimum visible distance of 2 nautical miles, meeting navigation requirements.



This image displays the Hella 002984345 Starboard Navigation Light. It features a black housing with a green outer lens, designed for marine vessel starboard (right side) identification.

4. SETUP AND INSTALLATION

4.1 Mounting

- The light is designed for vertical surface mounting.
- It can be used for permanent installation on a vessel's structure or hoisted up masts.
- Ensure the mounting location provides an unobstructed view of the light for its intended arc of visibility (112.5 degrees from dead ahead to 22.5 degrees abaft the beam on the starboard side).
- Use appropriate fasteners for the mounting surface to ensure a secure attachment. The housing snaps to the base, eliminating the need for external screws for assembly.

4.2 Electrical Connection

- The light operates on a 12V DC power supply.
- Connect the positive (+) wire from the vessel's 12V DC system to the positive terminal of the light.
- Connect the negative (-) wire (ground) from the vessel's system to the negative terminal of the light.
- Ensure all connections are watertight and protected from the marine environment.

- It is recommended to install an appropriately rated fuse in the positive supply line to protect the circuit.

5. OPERATING INSTRUCTIONS

The Hella 002984345 Starboard Navigation Light is designed for continuous operation when required for navigation. Once properly installed and wired to your vessel's 12V DC electrical system, the light will illuminate when power is supplied through the vessel's navigation light switch. Ensure the light is switched on during periods of restricted visibility or at night, as required by maritime regulations, to indicate the starboard side of your vessel.

6. MAINTENANCE

6.1 Cleaning

- Regularly clean the outer lens with fresh water and a soft cloth to remove salt spray, dirt, and other debris.
- Avoid using abrasive cleaners or solvents, as these can damage the lens material.

6.2 Bulb Replacement

- The light features a bayonet lock for easy bulb changes.
- To replace the bulb, carefully unclip the housing from the base.
- Twist the old bulb counter-clockwise to remove it from the bayonet socket.
- Insert the new bulb, aligning the pins with the socket slots, and twist clockwise to secure it.
- Ensure the replacement bulb is of the correct type and wattage (e.g., 12V, 25W incandescent, if applicable, or equivalent LED).
- Reattach the housing to the base, ensuring it snaps securely into place.

6.3 Corrosion Prevention

The light is designed with contacts in the upper area to prevent corrosion. Periodically inspect electrical connections for any signs of corrosion and clean as necessary using appropriate marine-grade contact cleaner.

7. TROUBLESHOOTING

- **Light does not illuminate:**
 - Check the vessel's navigation light switch and circuit breaker/fuse.
 - Verify that the 12V DC power supply is reaching the light.
 - Inspect the bulb for damage or a broken filament; replace if necessary.
 - Check all electrical connections for looseness or corrosion.
- **Light is dim or flickers:**
 - Check for a low voltage supply from the vessel's battery.
 - Inspect for corroded or loose electrical connections.
 - Ensure the bulb is fully seated in its socket.

8. SPECIFICATIONS

Feature	Specification
Model Number	002984345
Brand	Hella
Voltage	12V DC
Wattage	25 watts (typical for incandescent)
Visible Distance	2 Nautical Miles (NM)
Light Type	Starboard Navigation Light (Green)
Housing Material	UV and Impact Resistant Plastic
Lens Material	Acrylic, Polycarbonate
Color	Black Housing, Green Lens
Mounting	Vertical Surface Mount
Special Features	Waterproof, Non-magnetic, Saltwater Resistant
Dimensions (L x W x H)	Approximately 8 x 6 x 4 inches
Item Weight	Approximately 12.4 ounces

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Hella Marine website or contact your authorized Hella Marine dealer. Keep your purchase receipt as proof of purchase for any warranty claims. For further assistance, you may visit the Hella Store online:[Hella Store](#)