

INSTRUCTION SHEET: NaviLED 2 Nautical Mile Horizontal Surface Mount Port and Starboard Lamps for: **2LT 980 620-xxx**

Hella marine LED Navigation lamps offer many advantages over incandescent lighting including significantly reduced consumption, reduced heat and a high resistance to shock, vibration and moisture for long service life in the harsh marine environment. NaviLED® Navigation Lamps are 'Precision Optical Instruments', tested and type approved to comply with international maritime regulations.

Product specifications:

Housing Description	UV resistant lens, High impact shroud
Light Source	LED
Installation	Pre-wired with 500mm of marine cable
Operating Voltage	Multivolt 9-33V DC
Voltage Protection	Spike protected to 500V Reverse Polarity protected to -700V
Power Consumption	Port 1W, Starboard 1W
Degree of Protection	IP67 - Completely sealed



Electromagnetic Compatibility (EMC): This LED lamp is an electronic device. The electrical circuits contain components that suppress possible interference, both emission as well as susceptibility, to the limits prescribed by international regulations.

Protection against damage due to voltage spikes: This lamp is protected against reverse polarity connection and negative voltage spikes of up to 700 volts.

Wiring and protection: LED modules are polarity conscious. Reverse polarity will not damage this product but will inhibit its function. Hella marine recommends wire connections be soldered, and heat shrink tubing applied to seal the joint. Lamp must be protected by a fuse rated at 3 amperes maximum. **Note:** do not attempt to open - no serviceable parts inside.

Cable colour	Connect to
Black	Negative (-ve)
Red	Positive (+ve)

2 Nautical Mile NaviLED® International Approvals

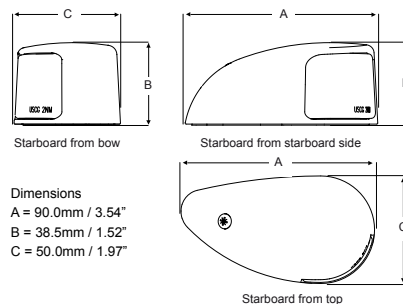
This Hella marine 2 Nautical Mile NaviLED® Navigation Lamp is tested and type approved for Powerboats and Sailboats to comply with international maritime regulations.

Approval Type	ABYC and NMMA
Length (LOA)	Powerboats and Sailboats up to 20 meters in length.

Additional Approval	IMO COL REG/USCG 33 CFR 183.810 2NM
Length (LOA)	Powerboats and Sailboats up to 50 meters in length.

Approval Type	RINA
Length (LOA)	Powerboats and Sailboats up to 20 meters in length.

Dimensions



Designed and Manufactured in New Zealand



Positioning of Port and Starboard Lamps

Installation angle

Align the mounting holes of the base plate parallel to the vessels centre line. (see Fig.1)
Direction arrow points straight ahead.

Position on a vessel

Mounted in the same athwartships position and at the same height above the water line, but at least 1 metre lower than the masthead lamp. Lamps should mark the effective beam of the vessel; if this is not possible, the distance between the side lamps should not be less than 85% of the maximum beam of the vessel.

When the lamps are operating, the light should not be obstructed or concealed by superstructures, bow rails or other objects.

Installation Steps

Step 1 - Mount the Base Plate

1.0 Install the Base Plate so the line between the mounting holes is parallel with the vessels centre line. (see Fig.1)

Direction arrow on base plate must point straight ahead when installed.

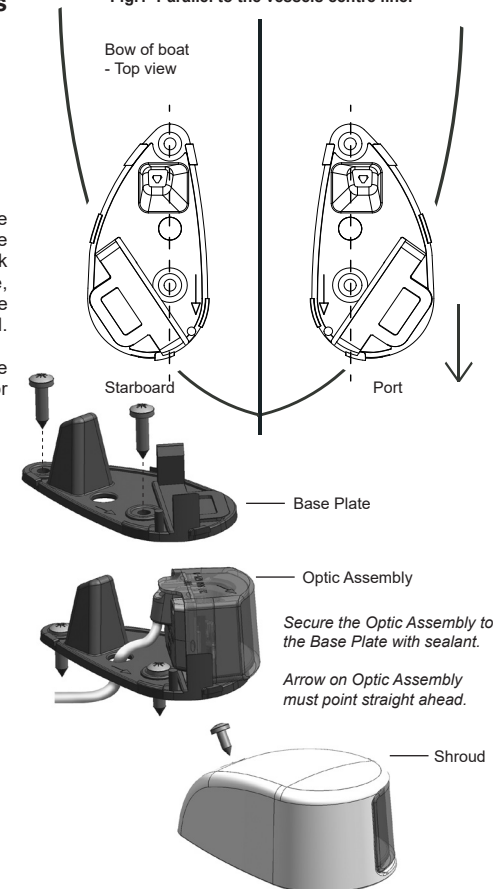
Step 2 - Mount the Optic Assembly

2.1 Clip the Optic Assembly into place. Secure with sealant.
2.2 Pass the power cable through the hole in the centre of base plate. Seal the cable entry hole.

Step 3 - Attach the Shroud

2.1 Push cover into place over light engine, secure with supplied stainless steel screw. Do not over-tighten.
2.2 Connect power

Fig.1 Parallel to the vessels centre line.



Warranty

Congratulations! The product you have selected comes from HELLA – one of the world's leading manufacturers of lighting products. The product comes with a 5 year warranty from end user purchase covering faults in materials, components or workmanship.

In the unlikely event that you should experience a confirmed warranty related problem with your purchase, HELLA will, at its discretion, either repair, replace or refund the purchase price of the product. Warranty services may be obtained by returning the product within the warranty period to the HELLA dealer where the product was originally purchased. This warranty is in addition to and does not preclude any other rights or remedies available to the consumer under any local legislation related to the provision of goods or services.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

This warranty does not cover:

1. Claim/s as a result of normal wear and tear or of any modifications and / or alterations to the product in any shape or form.
2. Claim/s as a result of non-compliance of the assembly, service and operating instructions and/or any unfit or improper use.
3. Any expenses incurred in the process of making the claim.

Note: For lamps sold in Australia, warranty services are provided by Hella Australia Pty Ltd., 4 Hargrave Place, Mentone, Victoria, 3194 Australia. Customer Service 1800 061 729 email: custservice@hella.com https://www.hella.com/hella-au/assets/media_global/IAM_Statement_of_Warranty.pdf

For general comments about Hella marine products please email techfeedback@hellamarine.com