NAVILED®

Hella marine

Vision and Innovation

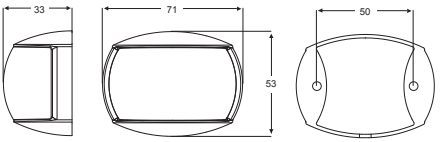
NaviLED® 2 Nautical Mile Port, Starboard, Stern Lamps

Introduction

Hella marine LED Navigation Lamps offer many advantages over conventional bulb lamps.
Significantly reduced power consumption, ultra long life and high tolerance to shock and vibration make Hella marine LED lamps the ideal choice for the harsh marine environment.

Hella marine NaviLED® Navigation Lamps are 'Precision Optical Instruments', tested and type approved to comply with international maritime regulations.

Housing Description	UV resistant lens, High impact shroud
Light source	LED
Installation	Pre-wired with 120mm of marine cable
Operating Voltage	Multivolt™ 8-28V DC
Voltage Protection	Spike protected to 500V
	Reverse Polarity protected to -700V
Power Consumption	Port and Starboard < 2W combined, Stern < 2W.
Protective System	IP 67



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 in EN 60945.

CE

Protection against damage due to voltage spikes

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

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	USCG / IMO COL REG
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.

Please refer to www.hellamarine.com to view the RINA certificates.

Warranty Statement

Congratulations! The product you have selected comes from Hella marine - one of the world's leading manufacturers marine lighting products.
Hella marine branded products are covered by a warranty against manufacturing or material defects. (For further details please check the terms of trade with your Hella marine agent).
The lamp module is sealed and does not have any serviceable parts inside; opening the module will invalidate warranty.
In the unlikely event that you should experience a problem with your purchase, please contact your Hella marine agent where you purchased the product.

For general comments products please contact us on E-mail at techfeedback@hellamarine.com

NEW ZEALAND MADE

959 150-01 V02

NAVILED®

Hella marine HELLA®

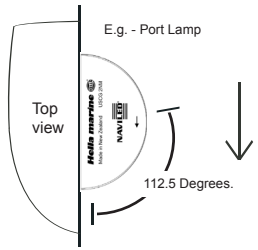
Vision and Innovation

Positioning of Port and Starboard Lamps

Installation angle.
Parallel to the vessels centre line (see Fig.1) and so the rear surface of the mounting shrouds are vertical (see Fig.2). Direction arrows point right ahead.

Position on a vessel.
Mounted in the same thwartships position and at the same height above the water line and mark the effective beam of the vessel.
.

Fig.1 Parallel to the vessels centre line.



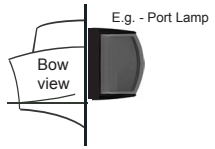
Positioning of Stern Lamps

Installation angle.
At right angles to the vessels centre line and so the rear surface of the mounting shrouds are vertical. Direction arrow points right astern.

Position on a vessel.
As close as practical to the stern of the vessel.

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

Fig.2 Vertical to the vessels centre line.



Wiring Colour Coding

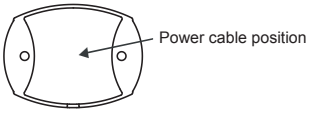
LED modules are polarity conscious.
Reverse polarity will not damage this product but will inhibit its function.
Hella marine recommends wire connections be soldered, and heat shrink tubing applied to seal the joint.

Colour	Connect to	Power
Black	Negative (-ve)	
Red	Signal (+ve)	Port and Starboard <2W each
Grey	Signal (+ve)	Stern <2W each.

Wiring
- Supply Voltage 8-28V (DC only)

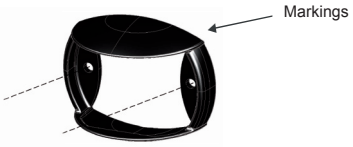
NB: Lamp must be protected by a fuse rated at 5 amperes maximum.

Installation Steps



Step 1

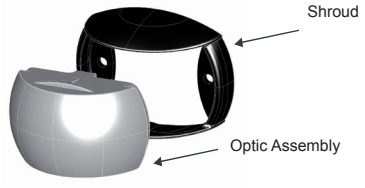
Make provision for the power cable.



Step 2 - Mount the Shroud

2.1 Shroud must be installed with markings on the TOP horizontal surface.

2.2 Arrow must point right ahead for Port and Starboard lamps and right astern for Stern lamps.



Step 3 - Insert the Optic Assembly

Note - Arrow on top of Shroud and Arrow on top of Optic Assembly must point right ahead for Port and Starboard lamps and right astern for Stern lamps.

3.1 Connect power

3.2 Feed power cable

3.3 Push optic assembly into Shroud

www.hellamarine.com