

# NARVA

## NAVIGATA L.E.D LIGHT BAR

### Product Instructions

P/No. 72274W



### IMPORTANT SAFETY INFORMATION

Please read these instructions carefully before installation.

This product is intended for use as an auxiliary light and should be mounted to a boat facing forward. Applications outside this scope may void the product warranty.

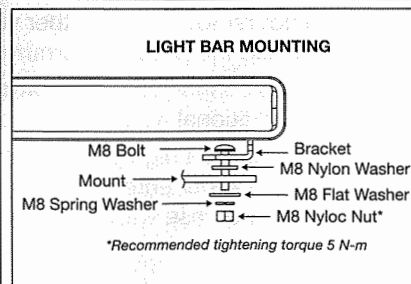
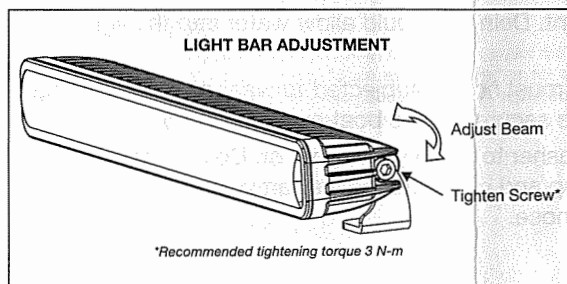
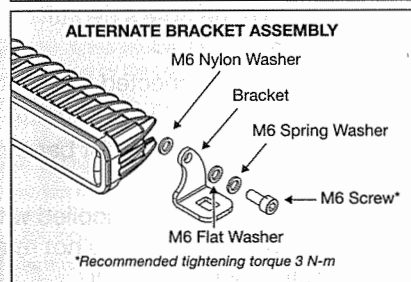
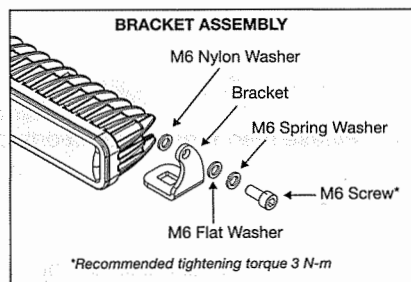
- Ensure the light bar is mounted securely to a solid surface on the boat.
- Remove the boat's negative battery cable before commencing any electrical wiring.
- Any wires connected to the positive terminal of the boat's battery should be fused within 300mm of the terminal.
- Always power the light bar through a suitable relay and not directly through a switch.
- The light bars are supplied with a waterproof connector and lead. It is recommended you do not remove the connector as this could damage the sealing of the light bar.
- Do not remove the breather vent. Doing so could allow water into the light bar and void the product warranty.
- Cables connected to the lamp must not be subjected to wear or other damage. Any additional wiring should be secured to the boat every 300mm.
- Avoid using a high pressure washer to clean your light bar. Doing so could result in water entering the lamp and may void the warranty. Wash with soapy water and rinse with a garden hose.

## FEATURES

- Advanced optic drive technology captures and focuses more light from the L.E.D.s
- Virtually unbreakable polycarbonate lens
- 9–32V Multi-voltage input suits 12 and 24V boats
- 18 x 5W high power L.E.D.s, ultra-low current draw
- 5700°K colour temperature reduces eye fatigue at night
- Pre-wired weatherproof connector
- One piece diecast aluminium housing – better heat dissipation and ingress protection
- Stainless steel brackets and mounting hardware (SUS 316)
- Fully sealed and submersible IP68 & IP69K ingress protection

## ASSEMBLY AND MOUNTING

- 1 Bracket Assembly** – Fix the mounting brackets to the lamp using the supplied hardware and following the assembly order shown in Fig. 1 or Fig. 2. Loosely tighten the M6 screws.
- 2 Light Bar Mounting** – Install the M8 bolts into the brackets then secure the light bar to a solid surface on the boat. Use the supplied hardware and assembly order as shown in Fig. 3. Tighten M8 nuts to approximately 5 N-m.
- 3 Light Bar Adjustment** – After electrical wiring is complete, turn on the light bar and adjust the beam angle. Tighten the M6 screws to approximately 3 N-m.



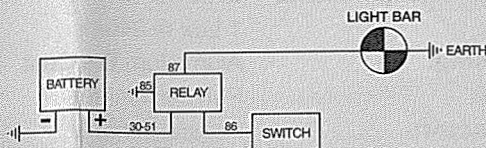
## LAMP WIRING

- BLACK WIRE** Earth – Connect this wire to the chassis earth or negative (-) battery terminal.
- RED WIRE** Positive – Connect this wire to the positive (+) output of a relay. Relay pin 87 or 87a.

### RELAY CONNECTIONS

PIN 30	Power In
PIN 85	Earth
PIN 86	Switch
PIN 87	Power Out
PIN 87a	Power Out

### WIRING DIAGRAM



## WIRING STEPS

Note: You can install the light bar using a plug and play harness such as Narva part number 74401. Alternatively, follow the steps below:

- 1 Disconnect the boat's negative battery cable before commencing any electrical wiring.
- 2 Mount a suitable relay in the boat's away from direct heat and water.
- 3 Install a wire from the positive battery terminal to pin 30 of the relay. This wire should contain a fuse within 300mm of the battery.
- 4 Install an earth wire from relay pin 85 to the chassis or negative battery terminal. Ensure a good earth connection with the chassis.
- 5 Install a wire from the boat to pin 86 of the relay. Note, a switch should be installed in this wire to disable the light bar if necessary.
- 6 Install a wire from pin 87 of the relay to the red wire (+) of the light bar.
- 7 Connect the light bars black wire (-) to the vehicle chassis or negative terminal of the battery.
- 8 Reconnect the boat's negative battery cable to the battery.
- 9 Test the light bar. Check the switch is to the 'ON' position. The light bar should illuminate.

## PARTS AVAILABLE

<b>74401</b>	12V Driving Light and Light Bar Harness
<b>72293</b>	50.8mm Explora Clamp Bracket, Single Row Kit (2)
<b>72294</b>	63.5mm Explora Clamp Bracket, Single Row Kit (2)
<b>72295</b>	76.2mm Explora Clamp Bracket, Single Row Kit (2)

## TECHNICAL SPECIFICATIONS

<b>Raw Lumens:</b>	9000
<b>Effective Lumens:</b>	3589
<b>Input Voltage:</b>	9-32V
<b>Wattage:</b>	90W
<b>Current draw:</b>	4A at 12V, 2A at 24V
<b>L.E.Ds:</b>	18 x 5W
<b>Colour Temperature:</b>	5700°K
<b>Lux:</b>	1 Lux @ 345m
<b>Housing:</b>	Aluminium Die Cast
<b>Lens:</b>	Polycarbonate
<b>Reflector:</b>	Polycarbonate
<b>Hardware:</b>	SUS 316 Stainless Steel
<b>Protection:</b>	Reverse Polarity Protection
<b>EMC:</b>	ECE R10
<b>IP Rating:</b>	IP68 & IP69K
<b>Operating Temperature:</b>	-30°C to +60°C
<b>Weight:</b>	1.1kg
<b>Heat Management:</b>	Active Thermal Management System (ATMS)

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**Recommended Fuse:** 10A

### WARRANTY STATEMENT

#### Applicable only to product sold in Australia

Brown & Watson International Pty Ltd of 1500 Ferntree Gully Road, Knoxfield, Vic., telephone (03) 9730 6000, fax (03) 9730 6050, warrants that all products described in its current catalogue (save and except for all bulbs and lenses whether made of glass or some other substance) will under normal use and service be free of failures in material and workmanship for a period of one (1) year (unless this period has been extended as indicated elsewhere) from the date of the original purchase by the consumer as marked on the invoice. This warranty does not cover ordinary wear and tear, abuse, alteration of products or damage caused by the consumer.

To make a warranty claim the consumer must deliver the product at their cost to the original place of purchase or to any other place which may be nominated by either BWI or the retailer from where the product was bought in order that a warranty assessment may be performed. The consumer must also deliver the original invoice evidencing the date and place of purchase together with an explanation in writing as to the nature of the claim.

In the event that the claim is determined to be for a minor failure of the product then BWI reserves the right to repair or replace it at its discretion. In the event that a major failure is determined the consumer will be entitled to a replacement or a refund as well as compensation for any other reasonably foreseeable loss or damage.

This warranty is in addition to any other rights or remedies that the consumer may have under State or Federal legislation.

#### IMPORTANT NOTE

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 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.

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