

INSTRUCTION SHEET: DuraLED® 20, 36, 50 Marine Lamp

Hella marine LED lamps offer many advantages over conventional bulb lamps including significantly reduced power consumption, and a high tolerance to shock and vibration for an ultra long service life.

DuraLed® lamps represent that latest in class leading high efficacy LED lighting that is both ultra durable and ultra powerful for heavy duty marine interior and exterior applications.

Product specifications:

Housing Material:	UV and impact resistant plastic		
Lens Material:	UV resistant, enhanced impact acrylic		
Operating Voltage:	Multivolt™ 9-33V DC		
Cable:	Pre-wired with tinned marine cable		
Degree of Protection:	IP 67 - Completely sealed		
Approvals:	ISO 8846 (Ignition Protection)		
Light Source:	LED		
Light Output:	DuraLED® 20:	2JA 980 608-00x	280 Lumen / 5000K
	DuraLED® 36:	2JA 959 037-52x	370 Lumen / 5000K
	DuraLED® 50:	2JA 980 604-01x	720 Lumen / 5000K
	DuraLED® 50 White/Red:	2JA 980 604-06x	430 Lumen / 5000K
	DuraLED® 50 LP Spread:	2JA 980 629-00x	850 Lumen / 5000K
	DuraLED® 50 LP Wide Spread:	2JA 980 629-50x	850 Lumen / 5000K



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 international regulations.

Wiring Colour Coding

Colour	Connect to	Power Consumption
Black	Negative (-)	
Red	Positive (+)	20 LED White Light < 4 watts 36 LED White Light < 7 watts 50 LED White Light < 12 watts
Blue*	Positive (+)	20 LED Red Light < 4 watts

* for dual colour version only, combined with 30 white LED

Wiring and Electrical Protection

LED modules are polarity conscious. This lamp is protected against reverse polarity connection, 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.

Each lamp must be protected against short circuit by a fuse rated at 5 amperes maximum.

Note: Do not attempt to open, no serviceable part inside.

Designed and Manufactured in New Zealand



Installation Instructions

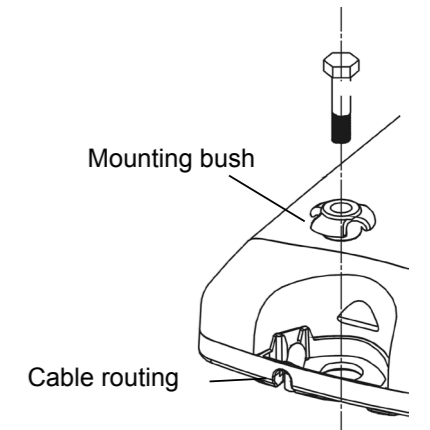
Screw Cap Removal

Carefully insert a small flat blade screwdriver between the cap and the lens and pull towards the lens, the cap will clip off.

To install the cap push in by hand until the top is flush with the lens.

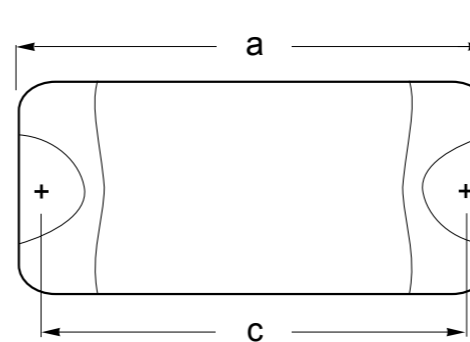
Surface Mounting

- Drill two holes up to 6.5mm Ø at either 148mm centres for 20 and 36 LED versions or 193mm for the 50 LED version.
- 6mm Ø screws or bolts are recommended to mount the lamp using the mounting bushes provided.
- Lamp should be mounted on a flat surface.
- If passing the cable through a hole, ensure there are no sharp edges to cut or chafe the cable.
- Alternatively, cable can be routed through the end of the base.
- Connect cable as per wiring colour coding chart.
- Clip the screw caps on securely until flush with the lamp surface



Note: Bolts not included

Note: When mounting lamp units side by side allow a gap of 5mm to ensure screw cap removal.



Dimensions

DuraLED® 20 & 36	DuraLED® 50 & 50LP
a = 177 mm / 6.97"	222 mm / 8.74"
b = 100 mm / 3.94"	96 mm / 3.78"
c = 148 mm / 5.83"	193 mm / 7.60"
d = 30 mm / 1.18"	31 mm / 1.22"
	25 mm / 0.98" (Low Profile)

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.