

Underwater Hull Light

Installation and Maintenance

Instructions Manual

This underwater light has been carefully designed to provide a versatile product of the highest quality, suitable for a wide range of underwater applications such as marine, industrial and domestic.

WARNING! Sections in this manual identify safe practice. It is of the utmost importance that this manual is carefully read and understood. Failure to do so may result in electric shock, injury, fire, or equipment damage. **PLEASE READ CAREFULLY** and, if in doubt, seek professional advice.

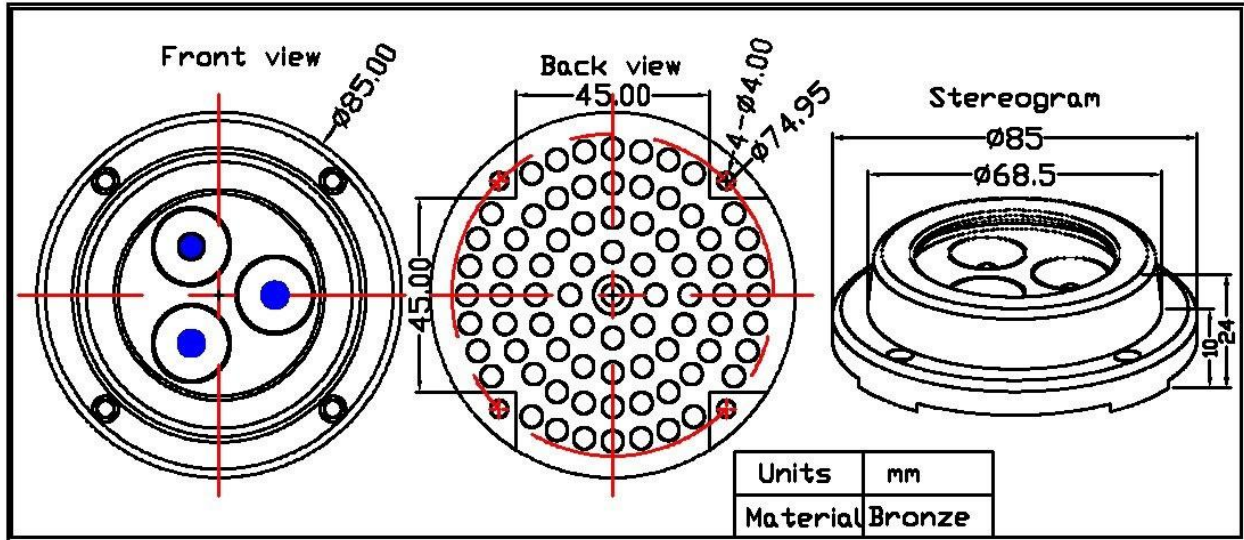
Features

- Light source: (3) 9-watt LED's
- Light source replacement: The unit features rear access allowing simple replacement of lamps without removing the fitting
- Thermal management: The housing has been carefully designed with internal air gap and special venting/convection to direct heat away from that part of the housing in contact with the boat hull or other mounting surface. The housing locking ring has also been designed as a heat sink to further dissipate heat effectively away from where it is not wanted.
- Light source housing: The lamp housing is manufactured from naval bronze machined to the highest standards.
- Seals: All the seals are made from high temperature silicone rubber for reliability.
- Lens: Our lens is made from BoroTrans sm for high temperatures and harsh environments.
- Installation: The fixture is supplied with user friendly fixing hardware provided. There is a leveling ring supplied to allow fitment where the inner surface may not be parallel to the outside surface.

Specifications (Fixture & Lamp Assembly)

- **Body:** Naval Bronze
- **Lens Bezel:** Naval Bronze

- **Lens:** 1/2" BoroTrans sm
- **Seals and Gaskets:** High temperature (200° C) silicone rubber
- **Lamp Cable:** High Temperature (200° C) silicone rubber insulated
- **Fixture Weight:** < 2 Lbs
- **Water Ingress Protection Rating:** IP66



Specifications ELECTRICAL

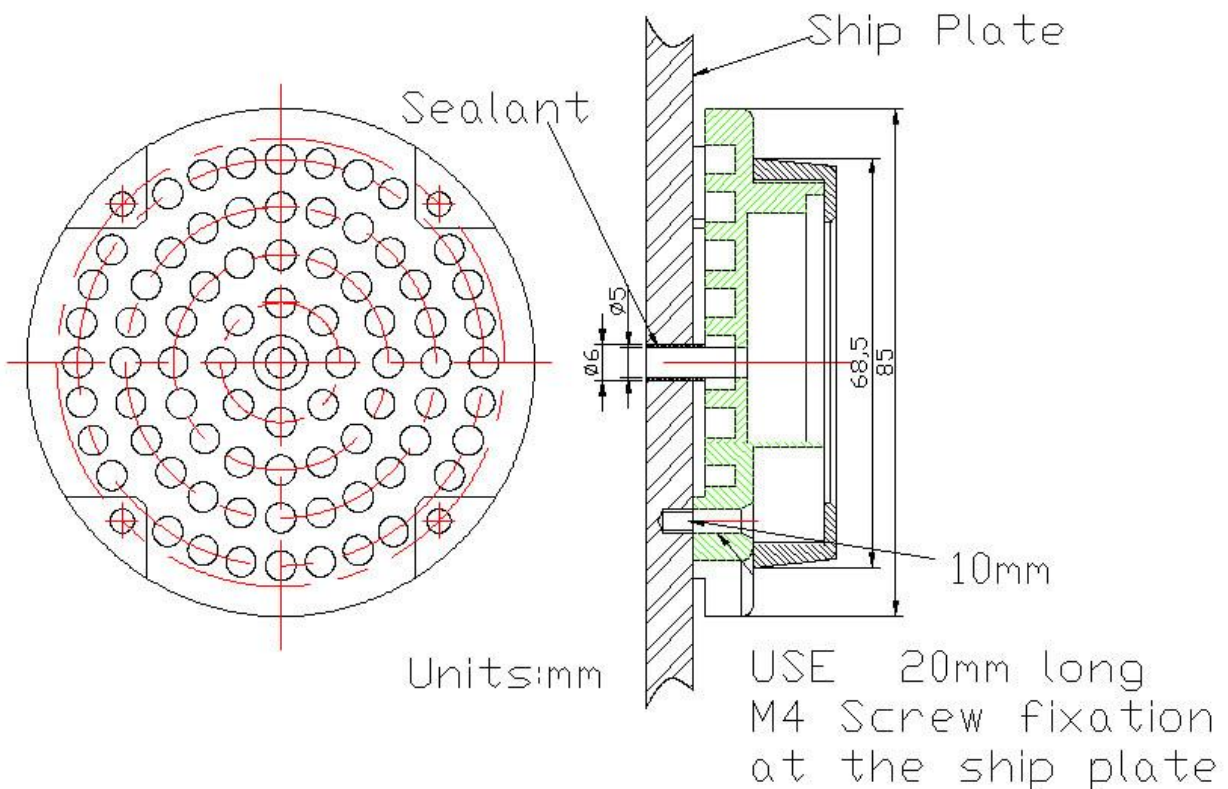
- **Input Voltage:** 12 Volt DC or 24 Volt DC
- **Mains Current Draw:** 9.25 amps
- **Power Factor:** 90%
- **Cable Entries:** Glanded

THE FOLLOWING INFORMATION IS IMPORTANT TO THE SAFE OPERATION OF THIS EQUIPMENT, ACCORDINGLY MUST BE OBSERVED AND ACTIONED AS NECESSARY.

- This Light should only be installed by suitably trained trades persons experienced in the fitting of through hull equipment and marine Mains Voltage AC electrical systems.
- It is important that the housing is electrically bonded to the vessels cathodic protection grounding system. Failure to solidly ground will result in corrosion, leading to serious damage or

loss of vessel, property and life. Regular checks/testing must be carried out to ensure the metal housing is electrically bonded to the vessels cathodic protection grid.

- If the housing shows signs of excessive corrosion (other than surface contamination) or physical damage, the vessel should be hauled so a complete assessment can be performed. Any signs of water ingress must be addressed immediately.
- As this equipment operates on mains voltages, it is of the utmost importance that all equipment is maintained in first rate working order at all times. Regular inspections should be carried out to ensure all wiring is in good condition, clear of wet areas and not exposed to mechanical interference.
- Any suspect equipment must be repaired or replace.
- The Lens and Bezel have been carefully designed with a smooth, flush surface to allow easy cleaning.
- Never operate the vessel with the lamp housing end cap removed.



Limited Warranty

BlingLights warrants these fixtures to be free of defects in parts and workmanship for 1-year from the date of shipment. This warranty does not apply to defects resulting from action of the user such as misuse, improper wiring, operation outside of specification, improper maintenance or repair or unauthorized modification. BlingLights specifically disclaims any implied warranties or merchantability or fitness for a specific purpose and will not be liable for any direct, indirect incidental or consequential damages.

Under no circumstances is BlingLights responsible for reimbursement of expenses related to vessel haul-outs, technician or yard personnel travel expenses, yacht storage, labor performed during removal and/or replacement of fixture, or expedited shipping costs for replacement parts. These are assumed liabilities of the customer and part of the terms of sale between BlingLights and its customer.

The warranty set forth above is inclusive and no other warranty, whether written or oral, is expressed or implied. If it should become necessary to return a fixture for service during or beyond the warranty period, call our customer service desk at **(201) 654-4176**.