18W Underwater LED Light to 30 Meters
Aluminum Housing - 4' Marine Grade Cable - 958 Lumens
Instruction Manual

Do not attempt operation until you are familiar with all warnings, precautions, and procedures outlined within this instruction sheet. Read carefully before operating. Retain these instructions for future reference.

- ORIENTATION IS VERY IMPORTANT! Lights should be mounted with the logo in an upright position
- Lights must be operated on an appropriately fused or circuit breaker protected circuit.
- Lights are not recommended for mounting on running surfaces (e.g., the bottom surface of a hull)
- For best performance, lights should be mounted below the waterline

INSTALLATION

MOUNTING

Mounting surfaces should be flat, clean, dry, and free of any existing hardware or holes. Before mounting ensure that the light will not interfere with the operation of engines, trim tabs, rudders, etc. Ideal mounting locations include transoms, the side and back surfaces of engine brackets, and the undersides of dive platforms. For maximum performance, lights should be mounted 6” to 16” below the waterline. Installation at depths greater than 36” is not recommended.



DEUTSCH CONNECTOR

NOTE! Extreme care must be taken when driving screws to prevent screw heads from shearing. The diameter of the pilot hole required for the mounting screws will depend largely on the composition and thickness of the mounting surface.

Size pilot holes so that only moderate torque is needed to drive the screw into the mounting surface. Typically this hole size will be slightly smaller than the outside diameter of the widest threads. Test the size of the mounting hole prior to installation. Carefully turn screws to avoid breaking them. If screw is too tight, back out and re-size screw hole. When drilling fiberglass, slightly countersinking the hole using a 3--fluke countersink bit will reduce gelcoat chipping. Thoroughly coat the back surface of the light with a marine-grade sealant designed for below-waterline applications. Dab additional sealant on the holes in the mounting surface, forcing some sealant into the holes. Extreme care should be taken to properly seal the through-hull (wire) hole to prevent water intrusion. Press the light firmly into place to bed it in the sealant. Tighten the mounting screws evenly. Sealant should be forced from all sides as the light is tightened down.

Thread the wire strain relief from inside the boat along the power wire. Press it firmly into the wirehole to properly seal and prevent water intrusion. Allow the sealant to cure thoroughly per the manufacturer’s instructions prior to returning the vessel to the water.

Note: Any time a hole is bored into a vessel’s hull (for example mounting screws for transducers, dive platforms, through-hull fittings, etc.), the possibility of water intrusion into the hull or completely into the vessel exists. Water intrusion may result in significant structural damage to a vessel or the vessel sinking. Considerable care should be taken to ensure that the through-hull hole is thoroughly sealed on both sides of the hull. Additionally, the back (inside) surface where the wire exits the through-hull hole should be carefully sealed using the wire strain relief.

Under Voltage Behavior

If the voltage at the device is less than 10V when the device is on, the device will gradually dim to minimum brightness. Factors which may result in under voltage conditions include insufficient wire gauge, bad battery cell, bad connection at switch, connectors, fuse and/or circuit breaker. Larson Electronics, LLC. assumes no responsibility whatsoever for any damage, loss, or injury that may result from the incorrect installation of this product, including but not limited to the vessel sinking, structural damage due to water intrusion, electrical malfunction, etc.

Due to the high lumen output of the LEDEUL6 light, sufficiently rated wiring and electrical components must be used to minimize voltage drop to the lights. When connecting multiple lights to a common switch this becomes even more critical. THE TYPICAL RECOMMENDATION IS TO SELECT WIRING SYSTEM COMPONENTS TO ENSURE THAT VOLTAGE DROP FROM POWER SOURCE TO THE LIGHTS DOES NOT EXCEED 3%.