

Important: Read all instructions prior to installation.

Underwater RGB LED Transom Light

Features

- *316L Marine Grade Stainless Steel
- *Over-Temp Protection
- *Polycarbonate Lens
- *Waterproof IP-68
- *5 Ft Power Wire (18AWG)

Specifications

180W RGB LED Underwater Boat Light	
Input Voltage	9 ~ 15 VDC
Current Draw	11.2A @ 13.5VDC
Total Power Consumption	151.2W @ 13.5VDC
Operating Temperature	-22°F ~ +122°F (-30°C~50°C)
LED Lifetime	50,000 Hours
LED Brand	5W CREE
Warranty	3 Years
Dimensions	6.87 in L (17.45cm), 3.15 in W (8cm) 0.67in H (1.7cm)
Weight	2.39 lb (1.08kg)



Parts Included

- Underwater Boat Light
1- (PL-UWL-180RGB)
2- M5 Machine screws
2- M5 Flat washers
2 - M5 Locking Nuts
2 - M5 Self Tapping screws
2- Neoprene washers
2- Neoprene "T" washers

Recommended Tools (not included)

- Drill and Drill Bits
- Lint Free Cloths
- #2 Phillips Screwdriver
- Masking Tape
- Heavy Grit Sandpaper
- Marine Sealant (ie:3M 5200)
- Isopropyl / Denatured Alcohol
- Pencil

Caution

LIGHTS MUST BE SUBMERGED TO AVOID OVERHEATING. OUT OF WATER USAGE WILL DECREASE LED LIFE AND CAUSE EARLY FAILURE. LIGHTS HAVE OVER TEMPERATURE PROTECTION (FOR TESTING PURPOSES ONLY) AND WILL SHUT OFF WHEN MAX TEMP (194°F / 90°C) IS REACHED. DO NOT OPERATE LIGHTS OUT OF WATER FOR MORE THAN 2 MINUTES FOR TESTING. LIGHTS WILL BE HOT IF OPERATED OUT OF WATER FOR EXTENDED PERIODS. INSTALLATION OF LIGHTS MUST BE DONE WHILE BOAT IS OUT OF WATER AND DRY. PLASHLIGHTS LLC. IS NOT RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE INCURRED DUE TO IMPROPER INSTALLATION.

Installation Instructions

IMPORTANT: Know your hull; the most common type is fiberglass. Wood, metal and carbon fiber are other less common hull types. For metal or carbon fiber hull, first be sure to mount an insulating material between metal or carbon fiber surfaces and lights to prevent galvanic corrosion. If the hull of your boat is metal or carbon fiber surface, you can use the plastic flat washers between hull and back of light. If uncertain about type of hull, please contact the boat manufacturer for assistance.

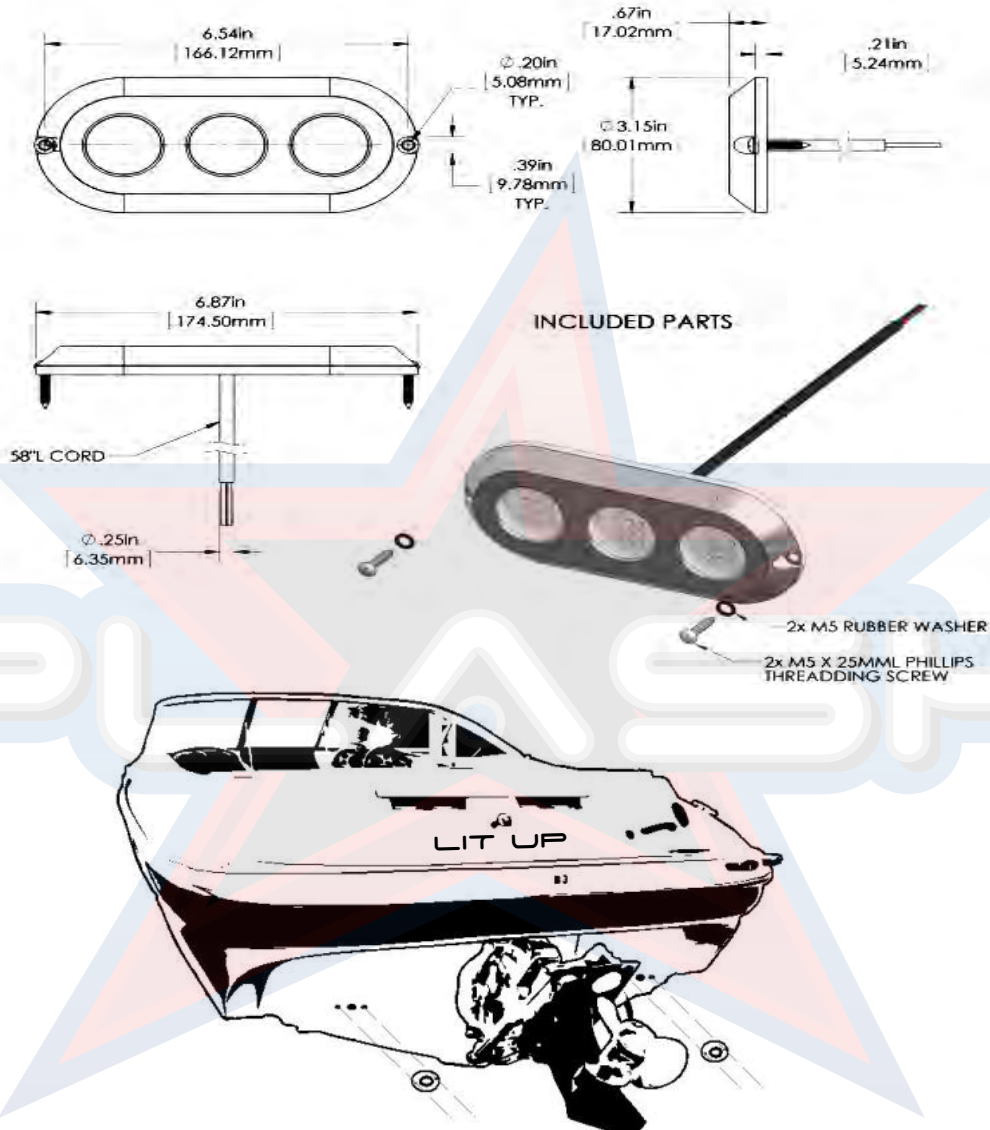
Installation Instructions (continued)

1. Determine desired mounting location on boat's transom. Be sure to check actual draft water level if operating LED lights at speed. (See Diagram on Other Side) Recommended mounting depth between 6-8" below waterline for best effect. Be sure that mounting location is free of any obstructions before drilling through hole. Mark center of desired location.
2. Drill 1/4" through hole in center of desired location and feed power wire through hole into boat. Hold light flush against transom, mark location for mounting screws, trace outline of light, then remove light. Drill pilot holes for mounting screws to prevent cracking in fiberglass hulls.
3. Tape of area around light. Use heavy grit sandpaper to roughen up the surface and to remove any debris from drilling. Clean area using alcohol and lint free cloth.
4. Apply uniform layer of marine sealant to back side of light, especially around mounting holes and wire connection. Also apply marine sealant to transom surface around pilot and through holes.
5. Feed power wire back through 1/4" hole into boat and press light against transom using uniform pressure. Install mounting screws with included neoprene washers and tighten light to transom.
6. Use sealant that has squeezed out from beneath light to create complete seal around outer edge of light. Remove any excess sealant.
7. Connect Black (positive) wire from Light to V+ on Controller (Sold Separately). Connect remaining negative wires from Light to Controller. Connect Red to R, Green to G and Blue to B.
8. Connect positive (RED) wire to positive battery terminal through fuse to switch (see diagram below). Connect negative (BLACK) wire to negative battery terminal. Marine grade heat shrink butt connectors and ring terminals are recommended.
9. Ensure light is securely attached to hull and that marine sealant has fully cured prior to putting boat in water. Lights may be tested briefly while out of water. Lights will overheat and shut down if operated out of water for more than testing.

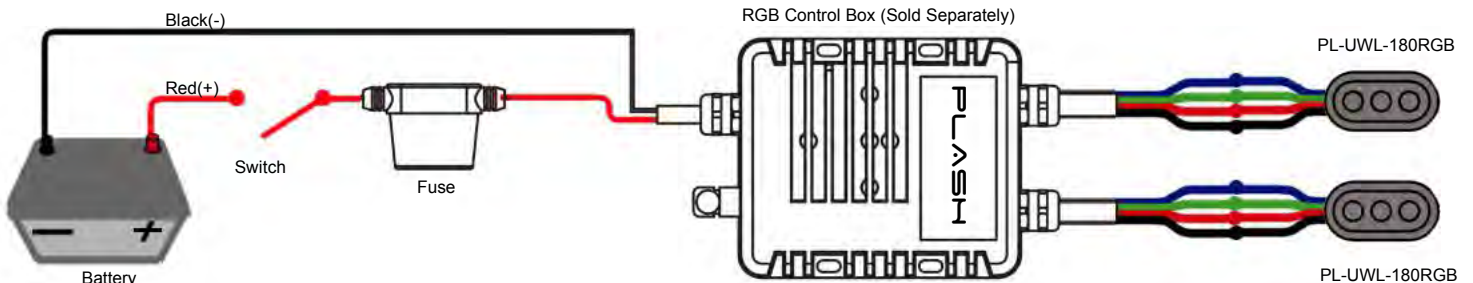
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Installation Instructions (continued)



Wiring Diagram



Bluetooth pairing steps:

Ensure that the controller box (Sold Separately) is powered on, open the phone and ensure that the Bluetooth is on. Open the PlashLights APP. Touch the Bluetooth tab, scan for devices and the APP will show near devices. Connect and the APP will connect to the Bluetooth controller. The lights can now be controlled.

Troubleshooting:

1. Check whether the device has powered. Verify that the phones Bluetooth is turned on. Please do not connect the Bluetooth controller to your Bluetooth setting.
2. Close the APP and restart if the connection is not successful. At the same time disconnect power the controller. Then turn on power and reopen the APP.
3. Keep your phone within 30ft of the controller. Avoid metal walls etc for best connectivity.