

INSTALLATION INSTRUCTIONS:

RGB+W HIGH LUMEN OUTPUT 316L STAINLESS STEEL 48-DIODE LED UNDERWATER BOAT TRANSOM LIGHT



SKU: TL48RGBW
P/N #1007669

Important: Read all instructions prior to installation.

Full Color Underwater LED Light

Features

Marine Grade 316L Stainless Steel
High Borosilicate Glass
5 Ft Power Wire
Internal Driver ,Wide Voltage DC9~32V
Intelligent Temperature Control System
48 Cree LED,RGBW full color
Waterproof IP68

Specifications

TL48RGBW LED UNDERWATER BOAT LIGHT	
Input Voltage	9 ~ 32 VDC
Current Draw	1.75 A @ 13.5VDC
Single Color Power Consumption	24W @ 13.5VDC
Operating Temperature	-22 F ~ 122 F (-30 C ~ 50 C)
Available Colors	RGBW
LED Lifetime	50,000 Hours
LED Brand	CREE
Warranty	3 Years
Dimensions	Diameter 3.8in (96mm), Depth 1.2in (31mm)
Weight	1.54lb (0.7kg)

Parts Included

Underwater Boat Light
1- (TL48RGBW)
3- M5 Machine screws
3- M5 Flat washers
3 - M5 Locking Nuts
3 - M5 Self Tapping screws
3- Neoprene washers

Recommended Tools (not included)

Drill and Drill Bits
#2 Phillips Screwdriver
Heavy Grit Sandpaper
Pencil (**Wax Pencil recommended for fiberglass**)
Isopropyl/Denatured
Alcohol Lint Free Cloths
Masking Tape
Marine Sealant

Modes

Mode 1, Cycle color: turn on light, light goes into full color fast cycle mode(15 seconds), then it will goes into a 3 minutes slow loop. During cycling, If you like the color at a certain moment, turn the switch off and on quickly (within 1 second), and will be locked in the color of your choice.

Mode 2, Stable color: turn on light, light goes into mode 1(Cycle color), then switch off and on within 2 seconds, light will goes into stable single color(mode 2). In mode 2, quick switch button(within 1 second) can switch different single color.

Mode 3, Strobe color: when the light is mode 2, flicker switch within 2 seconds, light goes into strobe color.

Note: OFF/ON switch in 1 second to chose color, OFF/ON switch in 2 seconds(over 1 second) to change the mode. OFF/ON switch over 5 seconds to reset the light.

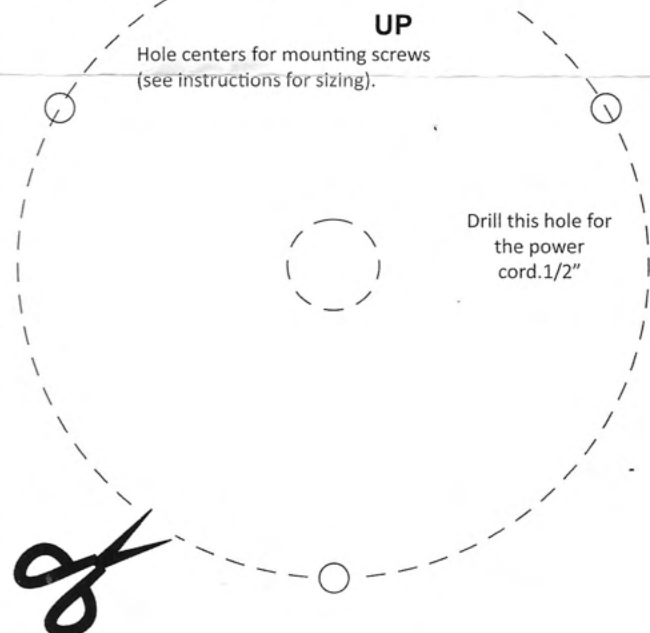


Installation Instructions

TIP: Know your hull; 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 uncertain about type of hull, please contact boat manufacturer for assistance.

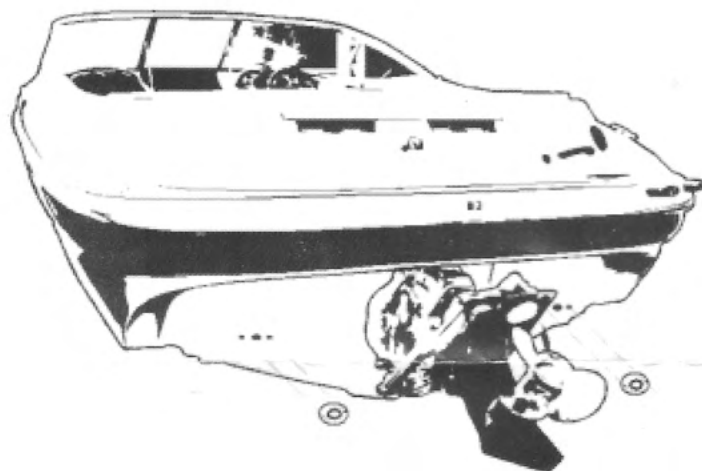
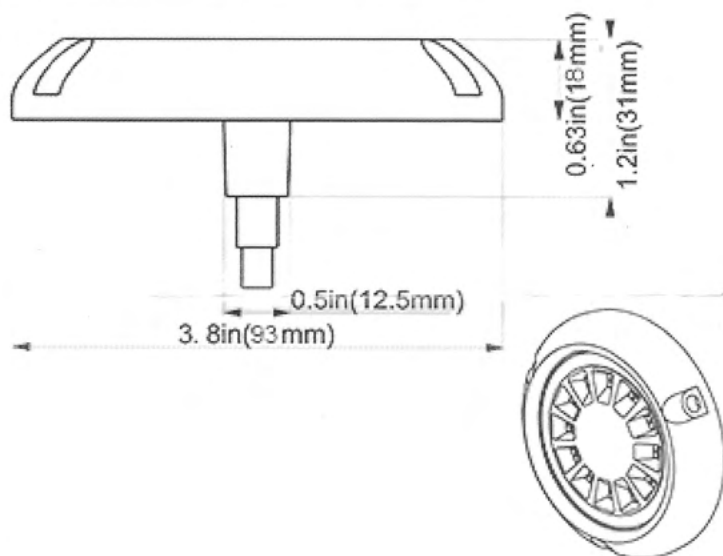
1. Determine desired mounting location on boat's transom.

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.



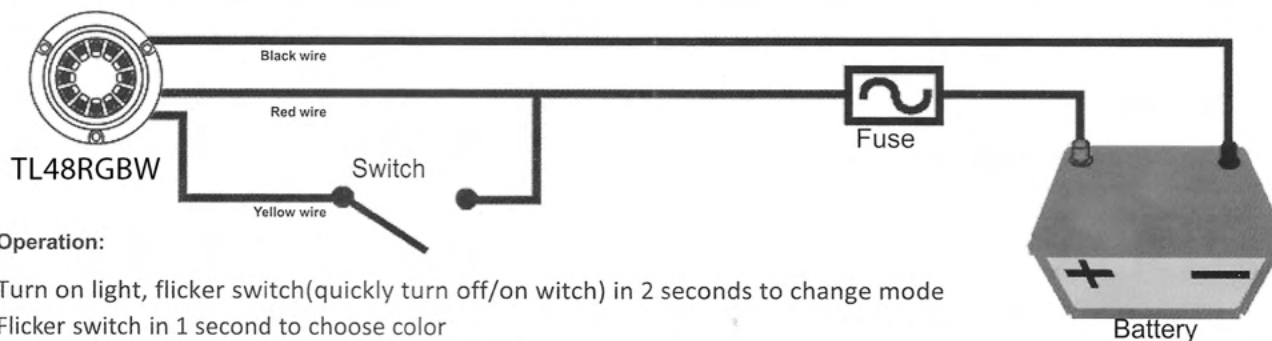
Underwater LED Boat Light

Installation Instructions (continued)



2. Drill 1/2" 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, then remove light. Drill pilot holes for mounting screws to prevent cracking in fiberglass hulls.
3. Use heavy grit sandpaper to rough 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 1/2" 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 positive wire to positive battery terminal through fuse to switch (see diagram below). Connect negative wire to negative battery terminal. Marine grade heat shrink butt connectors and ring terminals are recommended.
8. Ensure light is solidly 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.

Wiring Diagram



Operation:

Turn on light, flicker switch(quickly turn off/on witch) in 2 seconds to change mode
Flicker switch in 1 second to choose color
Flicker switch over 5 seconds , light color will be reset