

# QtLED 130 HP3

cute on size big on light

**Hull Material**  
GRP and WOOD

**Boat Size**  
20 meter +

**Lumens**  
Max 20,000

**Kelvin**  
6,500

**Beam Angle**  
90 degrees

\*The QT-130 LED underwater light features the smallest and brightest LED fixture on the market for composite and wooden hulls.

\*Never feel trapped by this fixture the LED projector can be easily removed for servicing and upgrades without the hassle of hauling your boat.

\*With a maximum 20,000 lumens of cool white light power and its' 90 degree beam angle provides a perfect spread of light. Available in BLUE

\*The QT-130 LED is recommended for GRP and wooden hull yachts of 20 meter+.

\*Distance between lights can vary from 1.5 (transom) to 5 meters (port & starboard) apart for the best illumination.

\*With complete Lloyd's Register Approval and ABS Design Appraisal on all components, the QT-130 has been installed on some of the largest and most prestigious Superyachts in the world.

\*The QT-130 is a completely customisable underwater lighting solution for larger yachts. We offer a bespoke design service tailored for each individual hull.

**Maintenance**  
Inside the hull

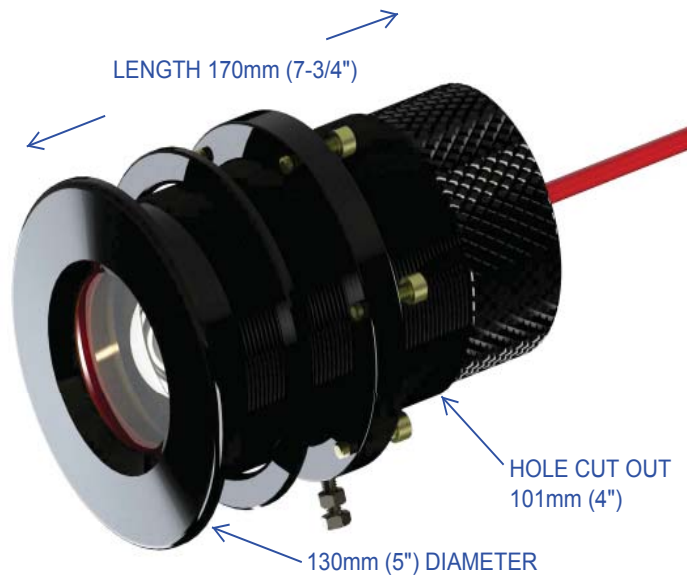
**Control Option**  
On / Off Switched

**Driver**  
Remote

**Growth Resistant Lens**  
Borosilicate Glass

**Power**  
110 - 240 VAC

**Hull material**  
Composite (GRP)  
Wood



**IPX8**  
Underwater  
**RATED**



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# QT-130

## Thru-Hull - LED serviced from inside

### Mounting

Hull Material	GRP / Fiberglass
Boat size	20meters+ (65ft)
Spacing	1.5meters (5ft)for Transom. 5meters (14ft) for P & S
Beam Angle	90°
Installation Angles	Flush

### Technical

Lumens	20,000
Kelvin	6,500
Typical LED Life Expectancy	40,000 hrs
Min-Max Operating Voltage	110 - 240V AC
Current / Amp draw	1.4 - 0.7 amps
Driver Type	External
Driver Output	2.8 amps @ 55v
Control Options	On / Off Switch
Bonding	Locking Ring

### Physical

Length of fixture	170mm (6.70")
Diameter of fixture	130mm (5.11")
Profile (height) of fixture	7.6mm (0.3")
Removal Space Required	170mm (6.70")
Total weight	6kg (13 lbs)
Driver Dimensions (L x W x H)	8.7" x 4.7" x 3.5" (220 x 120 x 90mm)
Cable Length	10 feet - 3 meters'
Hole Cut-out	4" (101mm)
Material	Armor Coated AB2 Bronze
Growth Resistant Lens	Borosilicate Glass
Maximum Hull Thickness	95mm (3.75")

### Color

White

### Part Number

QT-130-HP3W



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 Manufacturer of the Original underwater lights™ Brand  
 Marine Lighting Products Since 1991

# QtLED 130



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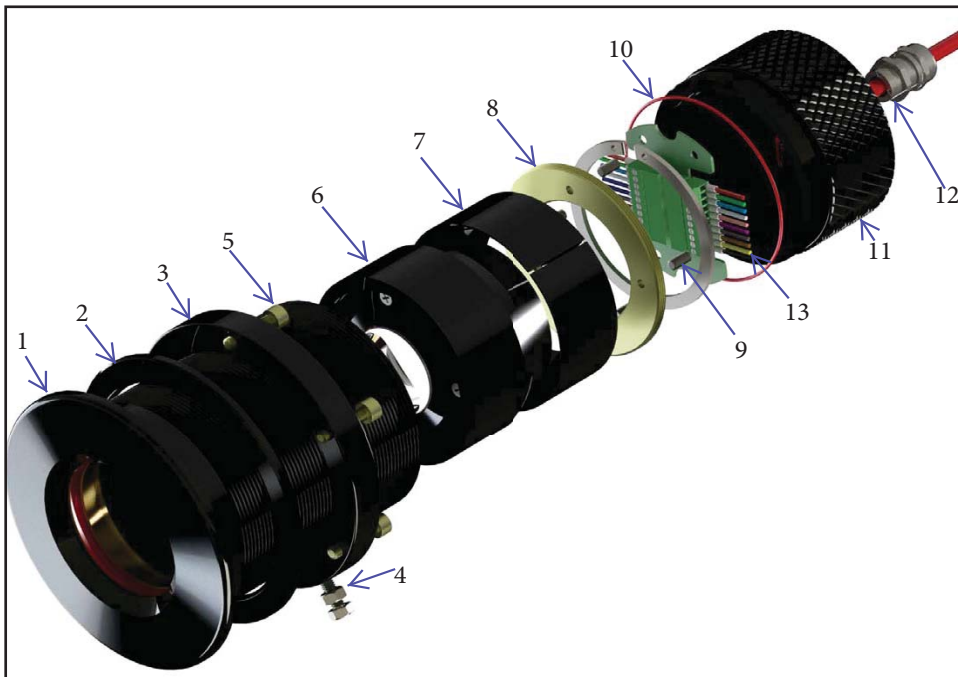
**\*DESCRIPTION** - This is a flush submersible marine light which uses a Qt-130 (1) screwed body for installation into composite and wooden hulls. Maintenance of the led light is carried out from inside the hull.

\*The Body (1) is common for the HP3 (20,000lm) and the RGB+W leds.

**\* FITTING THE BODY**- Qualified/Approved personnel must be used to carry out installation. Cut and prepare a 4 inch / 101mm clearance hole for the body (1). Coat the flange of the body and the area around the hole with 3M 4200FC or Sikaflex291 sealant then slide the body into the hole. From the inside fit the compensating ring (2) and screw the securing ring (3) up "hand tight". Adjust the screws (5) so the compensating ring is flush to the hull and check the sealant has flowed completely around the body flange(1). Do "NOT" over tighten the screws as this will squeeze the sealant from the surface. Allow the sealant to solidify and remove surplus. Finally tighten the adjustment bolts to 4Nm / 3ft.lbs Note for cored hulls - After cutting, the exposed surfaces of the hole must be finished to form a solid surface through it, thus protecting the internal core of the hull. Maximum hull thickness should not exceed 3.75 inches - 95mm. After completing the installation procedure it is highly recommended to coat the exposed body with antifouling and bond all lights to the anodes or a cathodic protection system if fitted by using the earth screw (4).

**\*REPLACEMENT OF LED**- The underwater light is supplied fully assembled. For removal of the LED follow the instructions - Free the cable by unscrewing the gland nut (12). Unscrew the cover (11) and ensure the cable does not rotate. Remove the LED green plug and place the cover to one side. Slacken the clamp screws (9) and unscrew the clamp ring (8) and place to one side. Slide the rear heat sink ring (7) out and place to one side. In the centre of the heat sink ring (2) screw in a M6 bar or bolt and slide the front heat sink (6) out. Thoroughly clean all parts removed and the internal surfaces and lens. The replacement front heat sink ring (6), rear heat sink (7), clamp ring (8) and cover (11) thread must be lightly coated with silicone grease. All is now ready to fit the LED by reversing the extraction procedure. Slide the front heat sink (6) into the barrel so that it lands on the lens retaining ring. Slide the rear heat sink (7) and screw the clamp ring (8) up. Lightly screw the clamp ring screws (9) up so that the rear heat sink presses on the front heat sink ring (6) and expands itself into the barrel. Plug the LED into the PCB socket. Ensure all the plug cables are tidy before screwing the cover (11) up tight. Ensure the supply cable does not rotate and finally tighten the gland nut (12).

**\*DRIVER INSTALLATION INSTRUCTION** - The driver must be located at least 60 cm above tank top with good ventilation and the maximum ambient temperature should not exceed 40C. The underwater lights is fitted with three meters of cable and a IP 68 plug that fits into the driver enclosure socket.



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For sales telephone numbers visit [www.qtled.com](http://www.qtled.com)

THE QT-LED RANGE IS DESIGNED AND MANUFACTURED BY UNDERWATER LIGHTS LTD IN THE U.K.

QT LED - 130



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