

QtLED 130 RETRO

*The **QT-130 Retro** LED underwater lights features inserts that can be fitted into existing metal halide underwater lights allowing an easy upgrade to LED without changing the hull fitting or hauling the boat.

*The **QT-130 Retro** LED is available in either the standard QT-130 HP or the QT-130 RGB+W configuration. The maximum lumen output is 25,000 and the 90 or 120 degree beam angle provides the perfect illumination.

*Installation requires no modification to class approvals and refitting these fixtures can take as little as one hour to totally transform an existing underwater lighting setup.

*The **QT-130 Retro** LED is designed for boats with the metal halide Original screwed Bulleyt, UL Ti MATE fixed and UL Ti MATE SA range from Underwater Lights Limited.

*The LED heat sinks can also be retro fitted into some of the OceanLED and Sea Vision underwater lights. Please inquire for details.



Maintenance
Inside the hull



Control Option
On/Off Switched



Driver
Remote



Growth Resistant Lens
Borosilicate Glass



Power
100-240vac



Installation
From inside the hull



AVAILABLE
YES



AVAILABLE
YES



AVAILABLE
yes

Hull Material
GRP/Wood



Boat Size
20 meter +



Lumens
Max 25,000



Kelvin
6,500K



Beam Angle
90/120 Degrees



IPX8
Underwater



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

Type-130 Retro, Issue 'A', Date-1-08-2017



QT-130 Retro

Retrofit Insert

	QT-130 DC	QT-130 HP3	QT-130 RGBW
Technical			
Lumens	8,000	25,000	Not Applicable
Kelvin	6,500	6,500	Not Applicable
Typical LED Life Expectancy	40,000 hrs	40,000 hrs	40,000 hrs
Min-Max Operating Voltage	22-28 VDC	110 - 240V AC	110 - 240V AC
Current / Amp draw	4.5 amps	1.4 - 0.7 amps	1.4 - 0.7 amps
Driver Type	Integral	External	External
Driver Output	3.0 amps	2.8 amps @ 55V	4 channel @ 36V
Control Options	On / Off Switch	On / Off Switched & DMX	DMX
Physical			
Removal Space Required	6.70" (170mm)	6.70" (170mm)	6.70" (170mm)
Total weight	13 lbs	13 lbs	13 lbs
Driver Dimensions (L x W x H)	N/A	10.2" x 6.3" x 3.5" (220 x 120 x 90mm)	10.24" x 6.3" x 3.5" (260 x 160 x 90mm)
Cable Length	10 feet - 3 meters'	10 feet - 3 meters'	10 feet - 3 meters



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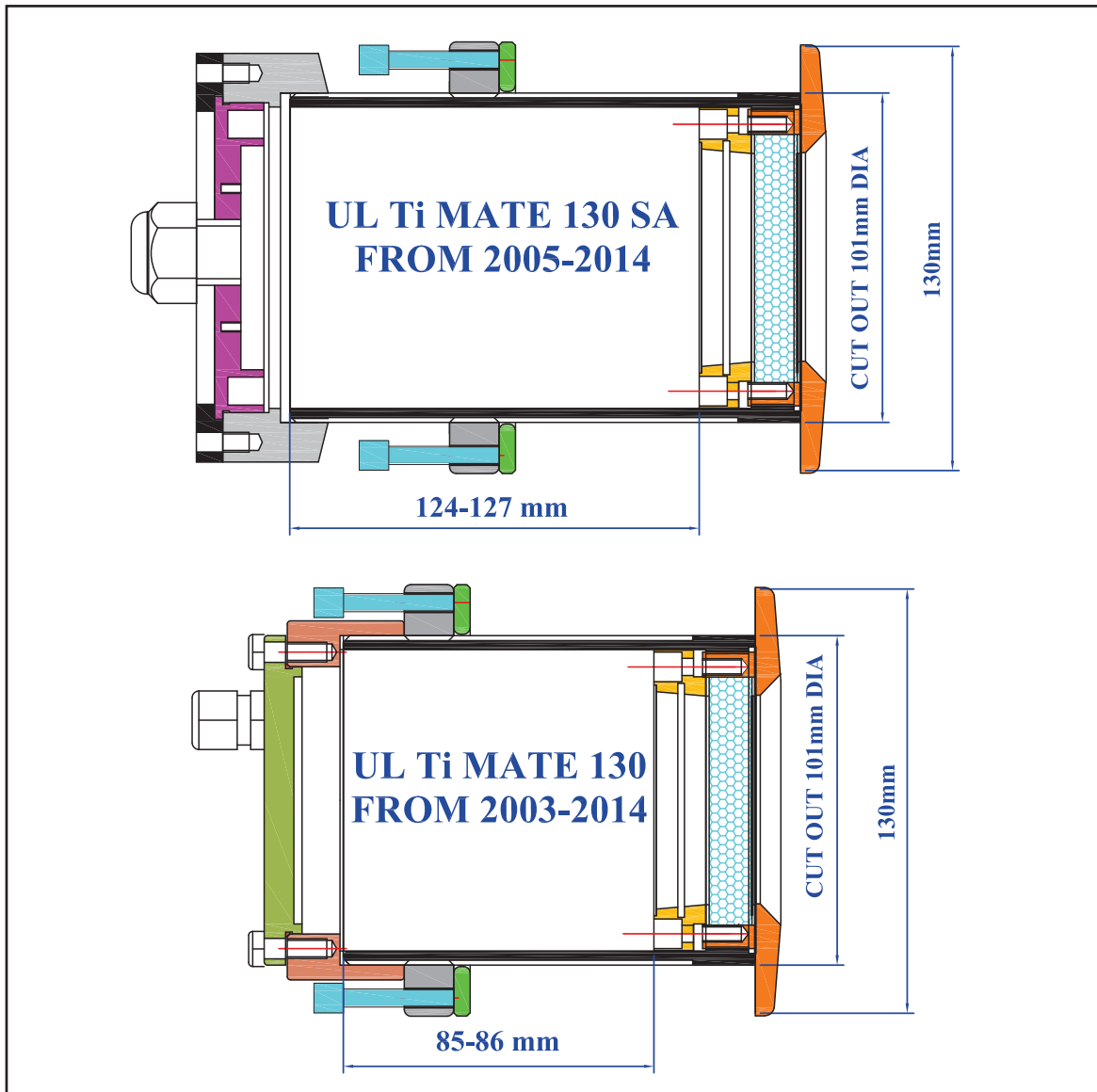
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QtLED 130 RETRO

CONVERSION FROM UL Ti MATE 130- TO QT-LED



QtLED 130 RETRO

INSTRUCTIONS FOR CONVERTING THE UL Ti MATE 130 (HQI) TO QT-130 HP3 (25,000 lm Cool White or RGB+W)

*The following procedure is achieved from inside the hull. The **“EXISTING 130 LIGHT”** parts indicated below should not be removed. All other parts must be carefully removed. Thoroughly clean the glass lens and the inside of the barrel.

***Check that the LED heat sink (1) and the rear heat sink (2) slide into the barrel and land on the glass retaining ring. Remove both items and check that the connecting ring (4) screws onto the barrel. With these parts successfully checked for fitting follow the assembly procedures below.**

***Assembly procedure-** Lightly coat the heat sink (1) and the rear heat sink (2) with a silicone grease and slide into the barrel. Lightly grease the gasket (3) and fit into the connecting ring (4). Lightly grease the thread on the connecting ring (4) and screw the connecting ring (4) onto the barrel so the gasket (3) and forms a good seal. The clamp ring (5) is then screwed into the connecting ring (4). The clamp screws (10) are lightly screwed up to compress the rear heat sink (2) This will expand the rear heat sink onto the barrel and press the heat sink (1) onto the lens retaining ring. Plug the LED into the PCB socket See further connecting instructions for this procedure.

The gasket (6) is lightly greased and fitted onto the connecting ring (4). The cover (7) is then secured onto the connecting ring (4). Ensure that no cables have been trapped and the cable gland (8) is tight.

***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 **standard** underwater light is fitted with three meters of cable and a IP 68 plug that fits into the driver enclosure socket.

