



underwater lights limited
The art of superyacht lighting

celebrating **30** years

a picture speaks a thousand words ...





underwater lights limited
MY A 119 meter / 390.4 ft LOA, Blohm + Voss

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M/Y Madsummer, 79 meter / 147 ft LOA, Lürssen Yachts





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M/Y Quantum Blue, 104 meter / 341.21 ft LOA, Lurssen Yachts



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M/Y Aviva, 98.4 meter / 322.1 ft LOA, Abeking & Rasmussen



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S/Y Shogun, 37 meter / 122 ft LOA, Holland Jachtbouw



30 Years

We are now into our thirtieth year and maintaining our position as the number one choice for underwater lighting by owners, designers, and shipyards around the world - amongst a crowded and competitive market place - means that we are celebrating a milestone.

We believe what has kept us strong, first and foremost, is that we are a small, efficiently run family business and we've been able to maintain our UK manufacturing base while keeping the design firmly within our control.

Our founder, Peter, started his career in 1966 as a marine engineer in the merchant navy. After passing the Certificate of Competency - First Class Engineer (steam/motorship) he moved to land based positions working as a surveyor for Lloyds Register of Shipping, The Salvage Association, Noble Denton, Commercial Marine Superintendent and finally as an independent marine consultant. His experience, brought an unique insight into the world of naval architecture and marine engineering which positioned us from the start as the industry benchmark.

Mutual Respect

We have resisted the urge to expand beyond our means by not stretching our capabilities or our client's patience. Instead, our business model was, and still is, built on keeping our overheads low, our product first-rate, and refusing to cut corners. The first ever Superyacht was fitted with our underwater lights in 1991 and every single light is still working perfectly to this day. We feel this is testament to the design and build quality that has kept us at the pinnacle of marine lighting design for the past almost three decades.

Our lights have been specified and installed on hundreds of Superyachts around the world and over the years the product range has continually developed and evolved into custom bespoke lighting for exterior and interior on projects. The light design on the award winning Blohm & Voss - M/Y Palladium was carried out by Peter Urquhart.

We have been resistant to the haste of trendy new technology, preferring to take the cautious approach and fully prove function and solidarity in our own test tanks rather than in a customer's hull.



Safe Pair OF Hands

We are one of the few fully approved lighting companies in the industry across several platforms including Lloyds, ABS and GL. We own and operate our own CNC machines with full LRS workshop approval which means we have a reduced reliance on external manufacturing partners, keeping design and quality within our control allowing us to offer an unrivalled accelerated turnaround production time.

As a private family business, we have not put ourselves at risk over the past thirty years in the pursuit of quick profit, ensuring we have never put our client's projects at risk, which is why we are trusted and respected by the best shipyards and designers in the industry.



underwater lights limited
M/Y ICON, 62.5 meter / 203 ft LOA, ICON Yachts

Family Business



Peter Urquhart

Working as an independent surveyor back in the late 1980's I was asked to design an underwater light by an owners rep on a new build. Little did I know, then, that lighting was going to become my life. I worked closely with the shipyard and Lloyds as I designed and built the Original Bulleyt underwater lighting system and to this day - thirty years on – the lights still work perfectly.

The industry has changed a lot since then; we held the entire market for over a decade until around 2005 when LED products started to become available. LED technology at that time was in it's infancy and a lot more R&D was required before we would start producing an LED underwater light.

For my designs and business, I tend to be cautious but my intention is to always make the best product using the most reliable HQI and LED lights sources. I see various design elements of my lights in many competitor's products and I'm proud that I'm the one they want to copy.

I enjoy living and working in the UK with Klare and the team and prefer designing and building lights rather than being the dull face at the boat shows. I am proud to have begun underwater lighting for the marine industry and to have been part of the development of the superyacht industry over the past forty plus years.



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M/Y Kismet, 68 meter / 223 ft LOA, Lürssen Yachts

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M/Y Serque, 40 meter / 133 ft LOA, Broward



Family Business



Klare Urquhart

I grew up with my father designing and producing underwater lights in a shed at the bottom of our garden. Like any independent daughter, I managed to defy the family business for a few years, working up to partner level in a company within a sister industry, gaining valuable experience, joining the family business in 2001 as we began expanding. I bring a level of cohesiveness to the sales and marketing that as a true inventor, my father, wasn't focused on. In applying the attention to detail in preparing quotes and working closely with shipyards, designers, and engineers from all around the world, our tight little team operates like clockwork.

I think we stand for what makes a traditional British company 'great' which is strong industrial design and workmanship with a down to earth work ethic.

In my spare time you will find me out walking the dog or riding my horses. The next few years ahead look to be some of the most exciting yet for us, as new world-class projects and opportunities present themselves and our relationships continue to mature with our long term customers. Looking forward to the next thirty years...



What We Do

We have always provided free design consultation for any sized project be it a Searay or any of the Megayacht builders around the world. We have lit the majority of the Superyachts built over the past thirty years which helps us eliminate the guess work and provide the required light plan to suit the Owners wish.

We manufacture and assemble the lights in our own workshop and use local sub-contractors for specialty work such as anodising and polishing. This gives us tight control on quality and production lead times. We keep in stock at all times no less than twenty components of every light to accommodate rush orders, typically for refits and last minute additions, cutting regular lead times from twelve weeks to less than one.

Setting The Standard

Peter has worked closely with classification societies to establish an understanding of their strict type approval requirements for underwater lighting. Rules and manufacturing processes are constantly being changed and updated and knowing why these changes are made has been a huge benefit, allowing yards and owners teams to specify and install the products, confident in the knowledge all of the relevant approvals and paper work are in place.





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M/Y Diamonds Are Forever, 61 meter / 197 ft LOA, Benetti



Products For New Builds

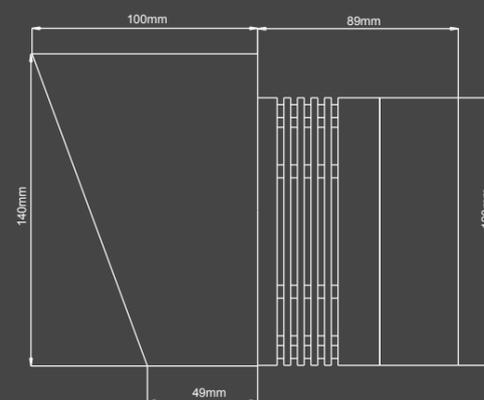
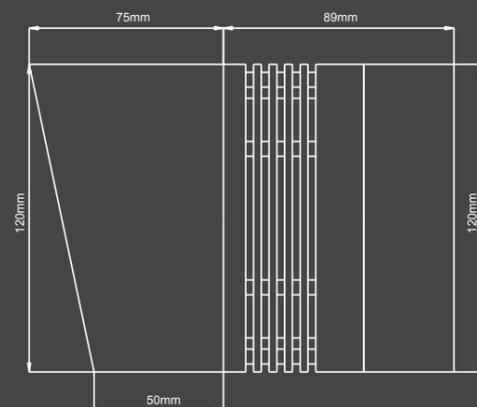
A full range of lighting products for installation below the waterline for all varieties of new and existing boats without lights, from sailing vessels to the largest Superyacht. Available in metal halide and the latest LED alternatives offering standard White, Royal Blue and RGB+W colour options. All the QT LED range of lights use our unique high efficiency light collecting lens. The lenses are manufactured from toughened borosilicate glass for high impact protection.

QTS 75



A LED 'weldin' light with universal adjustment for welding into aluminium and steel hulls creating an industry leading **25,000 lumens of light output** in Cool White, Royal Blue and full colour RGB+W suitable for boats greater than 20 meters / 70 ft with a recommended distance between lights of 1.5 meters / 5 ft (transom) to 5 meters / 16 ft (port and star-board) for the best illumination. The boat must be hauled out for installation and maintenance of the light is carried out from inside the hull and therefore dry docking is not necessary. There are two types of inserts available, machined in order for them to be welded flush to the hull plating at the appropriate positons.

- Lamp type: Flat LED chip
- Lamp life: 40,000 hours @ 35°C
- Colour temp: 6,500K Cool White, Royal Blue and RGB+W
- Voltage/amps: Supply 110vac @ 1.4 Amps
230vac @ 0.7 Amp
- Driver Output: HP4-96vDC @1.4 Amps - 144w
White: 55vdc @ 2.8 Amps
RGB+W & Blue: 4 channels @ 700mA
- Hole cut-out: To suit the selected insert
- Glass lens: Wide beam, borosilicate glass
- Classification: Lloyds / ABS / GL approved
Pressure tested IP X8 TO 80 bar
DALI (HP4) and DMX (RGBW)
- Control Option: DALI (HP4) and DMX (RGBW)
- Material: 316L stainless steel
5083 aluminium
- Light output: Up to 25,000 lumens

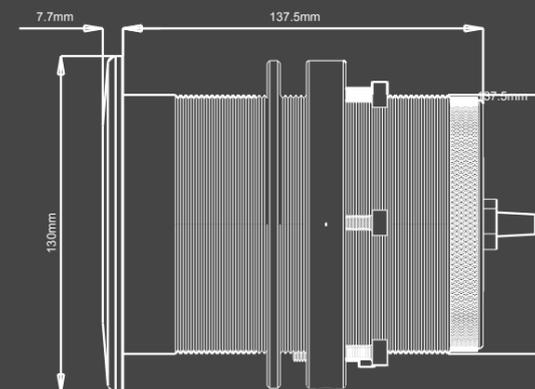


A LED 'through-hull' light with universal adjustment suitable for GRP / Fibreglass and timber hulls creating an industry leading **25,000 lumens of light output** in Cool White. RGB+W and Royal Blue are also standard options. Suitable for boats greater than 20 meters / 70 ft with a recommended distance between lights of 1.5 meters / 5 ft (transom) to 5 meters / 16 ft (port and star-board) for the best illumination. The boat must be hauled out for installation and maintenance of the light is carried out from inside the hull and therefore dry docking is not necessary. Fitted with a toughened, flat lens the light has a beam angle of 140 degrees.

QTS 130



- Lamp type: Flat LED chip
- Lamp life: 40,000 hours @ 35°C
- Colour temp: 6,500K Cool White, Royal Blue and RGBW
- Voltage/amps: Supply 110vac @ 1.4 Amps,
230vac @ 0.7 Amp
- Driver Output: HP4-96vDC @1.4 Amps - 144w
White: 55vdc @ 2.8 Amps
Blue / RGB+W: 36vdc @ 4 channels @ 700mA
- Hole cut-out: 101mm / 4"
- Glass lens: Wide beam, borosilicate glass
- Classification: Lloyds / ABS approved
Pressure tested IP X8 TO 15 bar
- Control Option: DALI (HP4) and DMX (RGBW)
- Material: Nickel Plated Aluminium bronze
Armor Coated 5083 aluminium
- Light output: Up to 25,000 lumens



QTS 100



“the simplest solution is almost always the best.”

The new QTS model has taken over 30 years of experience to develop and is arguably the most versatile and complete underwater light ever made for the marine industry in the simplest format possible. One housing now accommodates a variety of light power outputs, Color Options, Input Powers. Suitable for any boat from 20m up to the largest 100m+ superyachts.

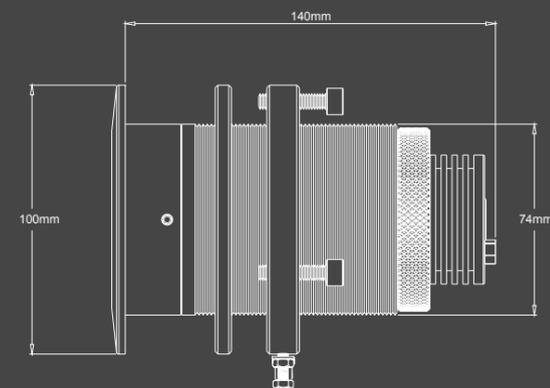
Made from Titanium the light can now be used on metal hulls (subject to attending classification surveyors approval) as well as composite/fiberglass saving yards and installers hours/days on installation and potential warranty concerns through galvanic corrosion.

Fitted with a toughened, flat lens the beam angle is an ultra wide 140 degrees perfect for running down the side of a yacht as well as along the stern. Available in low and high power up to 14,000 lumens on DC power in blue or white, dual color or RGBW and 25,000 in white or RGB+W on AC power. Naturally the entire range is Lloyds Type approved.



Lamp type:	Flat LED chip
Lamp life:	40,000 hours @ 35°C
Colour temp:	6,500K Cool White, Royal Blue and RGB+W
Voltage/amps:	White DC 10,000 lumens 12-24VDC White DC 14,000 lumens 24VDC White AC 25,000 lumens 110-240 vAc RGBW DC Supply 24VDC @ 6.1Amps Dual DC Supply 12-24VDC @ 4.8-2.4 Amps RGBW AC Supply 110-240 vAc @ 1.3-0.7Amps
Hole cut-out:	74mm / 2 7/8"
Glass lens:	Wide beam, High Impact borosilicate glass
Classification:	Lloyds approved Pressure tested IP X8 to 20 Bar
Material:	Titanium Armor Coated 5083 aluminium
Light output:	Up to 25,000 lumens

QTS



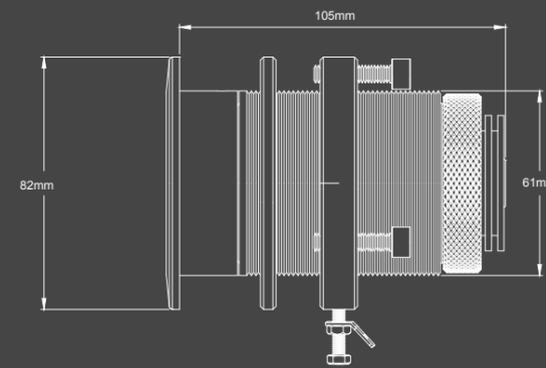
A LED 'through-hull' light suitable for GRP / Fibreglass / Carbon Fiber and timber hulls creating 7,000 lumens of light output for the 40w version and 3,500 lumens for the 20w version available in Cool White or Royal Blue. Suitable for boats up to 20 meters / 60 ft with a recommended distance between lights of 1 meter / 3 ft (transom) to 3 meters / 10 ft (port and starboard) for the best illumination. The boat must be hauled out for installation and maintenance of the light is carried out from inside the hull. The light has a flat glass lens for a wide 120 degree beam angle.

QT 80 Ti



Lamp type:	Flat LED chip
Lamp life:	40,000 hours @ 35°C
Colour temp:	6,500K Cool White and Royal Blue
Voltage/amps:	11-28vdc @ 4.2 - 1.8 amps
Hole cut-out:	61mm / 2 1/2"

Glass lens:	Growth resistant flat borosilicate lens
Classification:	Lloyds / ABS approved Pressure tested IP X8 to 15 Bar
Material:	Titanium Armor Coated 5083 aluminium
Light output:	Standard 7,000 and 3,500 lumens





Products For Retro Fit

We are capable of upgrading or refurbishing all of our underwater lights to the very latest in LED and metal halide technology. Without the need to haul the vessel, modify approval certification or make any hull modifications. Most lights can be quickly and cleanly changed over which a number of high profile yachts in 2015 have done successfully using the yachts engineering staff.

The QTS LED 75 Retro underwater light which is an insert designed to be fitted onto an existing Metal Halide underwater light, previously supplied from ourselves, allowing an easy upgrade to LED without changing the hull fitting or hauling the boat. The QTS 75 adjustable retro is designed for boats with the **Original Bulleyt and UL Ti MATE 70/75 SA** ranges from Underwater Lights Limited. Installation requires no modification to class approvals and refitting these fixtures can take as little as one hour to totally transform the yachts existing underwater lighting setup. Available in a 25,000 lumen Cool White LED, Royal Blue and RGB+W colour change.



QTS 75 Retro



White Blue RGB+W

Lamp type: Flat LED chip
 Lamp life: 40,000 hours @ 35°C
 Colour temp: 6,500K Cool White, Royal Blue and RGB+W
 Voltage/amps: Supply 110-240vac @ 1.4 - 0.6 Amps
 Driver Output: White: 96vdc @ 1.4 Amps
 RGB+W & Blue: 36vdc @ 4 Amps

Glass lens: High Impact borosilicate glass
 Classification: Lloyds / ABS approved
 Pressure tested IP X8 TO 80 Bar
 Material: 5083 aluminium
 316 Stainless Steel
 Light output: Maximum 25,000 lumens

Existing Fixture: Bulleyt, UL Ti MATE 70 / 75

QT 130 Retro

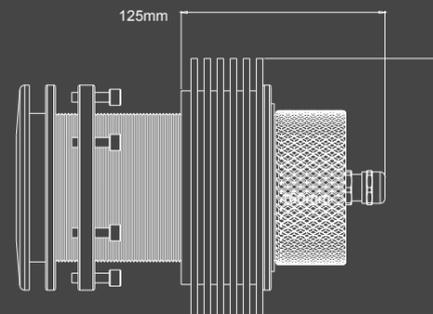


The Qt LED 130 Retro underwater light is an insert designed to be fitted into existing Metal Halide fixtures from ourselves. The **Large Screwed Bulleyt** and the **UL Ti MATE 130** model can easily be upgraded to LED without changing the hull fitting or hauling the boat. Installation requires no modification to class approvals and refitting these fixtures can take as little as one hour to totally transform the yachts existing underwater lighting setup. Available in a 25,000 lumen Cool White, Royal Blue and RGB+W colour change.

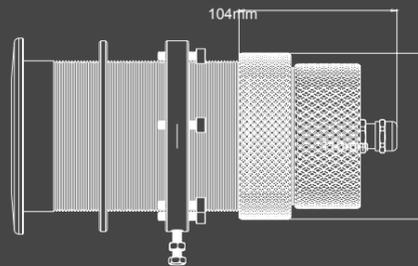


White Blue RGB+W

Large Screwed Bulleyt



UL Ti MATE 130



- Lamp type: Flat LED chip
- Lamp life: 40,000 hours @35°C
- Colour temp: 6,500K Cool White, Blue and RGB+W
- Voltage/amps: Supply 110-240vac @ 1.4 - 0.7 Amps
- Driver Output: HP4 - 150W
White: 55vdc @ 2.8 Amps
RGB+W & Blue: 36vdc @ 4 channels at 700 mA
- Existing Fixture: Large Screwed Bulleyt,
UL Ti MATE 130 Fixed and SA
- Glass lens: Wide beam, borosilicate glass
- Classification: Lloyds / ABS approved
Pressure tested IP X8 TO 8 Bar.
- Material: Aluminium and 316 Stainless Steel
- Light output: Maximum 25,000 lumens

QT LED 80 Retro

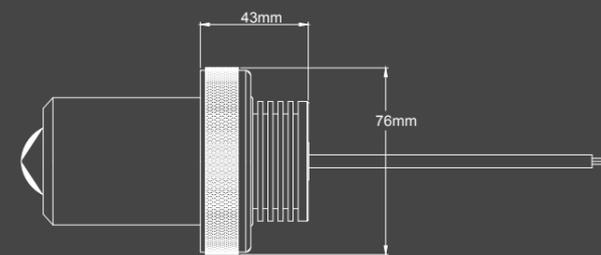


The Qt LED 80-40 Retro underwater light is an insert designed to be fitted into existing Xenon, Halogen and UL Ti MATE 80 fixtures from ourselves. The **Small screwed Bulleyt, type A or B** and all **UL Ti MATE 80** models can easily be upgraded to LED without changing the hull fitting or hauling the boat. Installation requires no modification to class approvals and refitting these fixtures can take as little as one hour to totally transform the yachts existing underwater lighting setup. Available in a 6,000 lumen Cool White and Royal Blue.



White Blue

QTLED 80-40 RETRO



- Lamp type: Flat LED chip
- Lamp life: 20,000 hours @ 35°C
- Colour temp: 6,500K Cool White, Royal Blue
- Voltage/amps: 11-28vdc @ 4 - 1.8 Amps
- Existing Fixture: Small Screwed Bulleyt, UL Ti MATE 80
- Glass lens: Narrow beam, borosilicate glass
- Classification: Lloyds / ABS approved
Pressure tested IP X8 TO 8 Bar.
- Material: 5083 aluminium
- Light output: Standard 6,000 lumens



Products For Onboard

As a natural progression our technology evolved to be used for lighting above the waterline and we now have an extensive range of products for exterior and interior applications. Built to the same exacting standard as the underwater lighting ranges giving unrivalled longevity and functionality in some of the harshest environments on-board a yacht. Exterior light plan by Peter Urquhart. Contact us for more information.

Bespoke Lighting

We are often asked to assist in the design of bespoke lighting for both land and sea applications. We draw from our successful design and material experience within our core range of products to find unique solutions.

Our custom lights have been used around the world in award winning Superyachts such as the 2010 Blohm & Voss new build M/Y Palladium and on M/Y Serque based in Fort Lauderdale, Florida.

We have also continued our supply of products and lighting design into listed historical buildings around Europe and private estates.

Good lighting is an art form and we believe we are amongst the very best lighting artisans.

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M/Y Eclipse @ marchantandgonta.com

M/Y Madsummer @ Klaus Jordan

S/Y Shogun @ Ed Holt

M/Y Solandge @ Jim Reycroft

M/Y Palladium @ Michael Maynard

M/Y Serque @ Marc Paris

M/Y Kismet @ Klaus Jordan

M/Y Tizzle @ Buggy Gedlek

S/Y Maltese Falcon @ George Gill

M/Y Diamonds are Forever @ Buggy Gedlek

M/Y Worthless Crew @ Charlie Clarke

M/Y Northern Star @ Klaus Jordan

M/Y A @ Josip Baresic

M/Y Quantum Blue @ Josip Baresic

M/Y Aviva @ Josip Baresic

underwater lights limited

Bespoke interior lighting designed by Peter Urquhart and Michael Leach Design

the original since 1991

