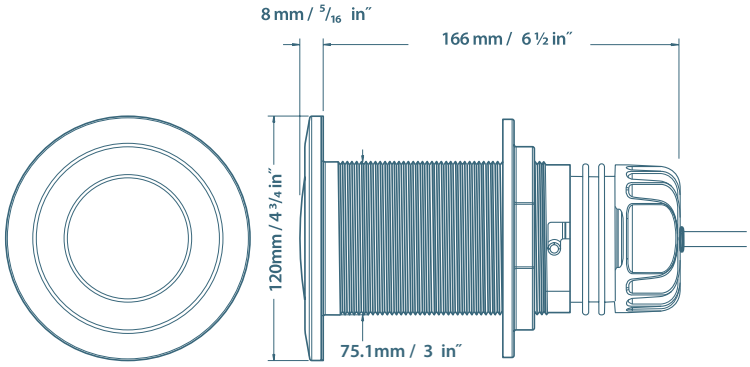
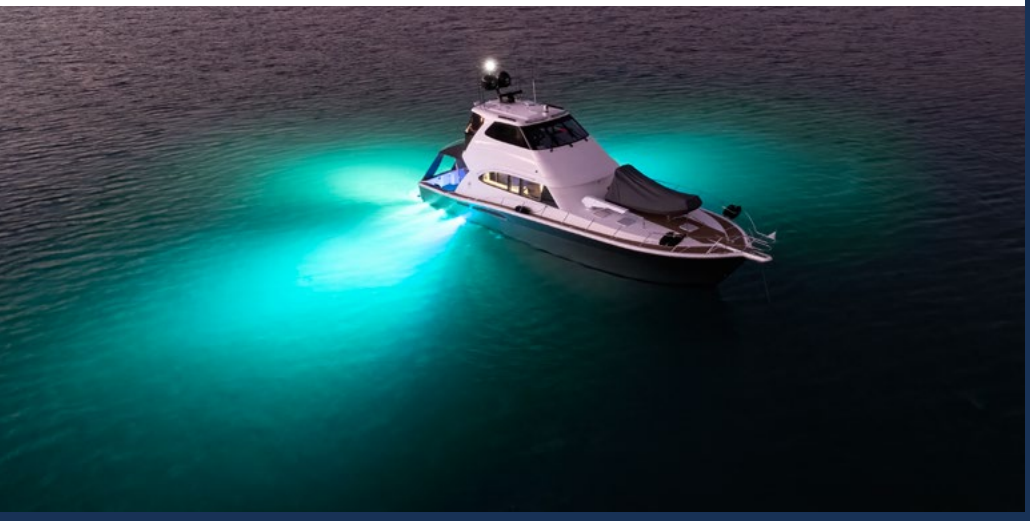
AQUALUMA®
LED LIGHTING

GEN 4 - 18 SERIES

REDEFINING UNDERWATER LIGHTING FOR SUPERYACHTS
THE 18 SERIES SHINES BRIGHTER.

Designed for large vessels and superyachts, the 18 Series delivers exceptional light output, now available in Cyan, Ultra Blue, and Brilliant White. Encased in our patented, corrosion-proof polymer housing, it's built for durability in harsh marine environments. Easily serviceable and upgradable from inside the vessel, the 18 Series also offers a seamless upgrade path for existing 6 and 12 Series users—all without the need for haul-out.





TECHNICAL SPECIFICATIONS

GEN 4 LED TECHNOLOGY:
Advanced lighting performance.

WARRANTY:
3 years on internals, 10 years on housing.

HOUSING:
Patented, high-tech, chemically resistant polymer.

SERVICEABILITY:
Fully serviceable and upgradeable from inside the vessel.

VOLTAGE:
Compatible with 12 or 24 Volt DC systems.

CURRENT DRAW:
Less than 2.6 amps @ 12V or 1.3 amps @ 24V.

INSTALLATION:
Easy, low-cost 2-wire installation with no bonding to anodes required.

COMPLIANCE:
Meets global EMI standards.

BEAM:
Delivers a deep-penetrating and wide flat beam of light.

LENS:
No seals to deteriorate or leak.

CABLING:
Includes 3.7 metres (12 feet) of tinned marine-grade cable.

FITTING:
75mm (3") thru-hull fitting.

COLOUR OPTIONS

BLUE CYAN WHITE

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COLOUR OPTIONS

BLUE

- Colour temperature: 470nm
- Fixture Lumens : 835 lm
- Fixture Lumens Lowlight Conditions : 14,100 lm

CYAN

- Colour temperature: 503nm
- Fixture Lumens : 918 lm
- Fixture Lumens Lowlight Conditions : 15,510 lm

WHITE

- Colour temperature: 9000 to 10000 degrees Kelvin
- Fixture Lumens : 2,150 lm
- Fixture Lumens Lowlight Conditions: 4,920 lm

The colour of underwater LED lights not only influences the aesthetic of your vessel but also interacts with the natural properties of light and human vision:

- **Blue:** With a peak wavelength near 470 nm, blue light aligns closely with the human eye's spectral sensitivity in water, especially under photopic (daylight) conditions. This allows it to penetrate furthest in clear saltwater, maximizing visibility and creating a crisp, oceanic ambiance.
- **Cyan:** Positioned between blue and green on the light spectrum (around 503 nm), cyan benefits from both aesthetic appeal and optimal underwater performance. Its wavelength closely matches the human eye's scotopic (low-light) sensitivity, making it an excellent choice for striking visuals in both clear and slightly murky water conditions.
- **White:** White light provides broad-spectrum illumination, but its shorter wavelengths, closer to blue, contribute most to underwater penetration. The balance of colors in white makes it versatile for both freshwater and general use.

By understanding the principles of spectral sensitivity, Aqualuma's colour options are designed to enhance both the functionality and the visual impact of your vessel's lighting, offering tailored solutions for various water environments.