

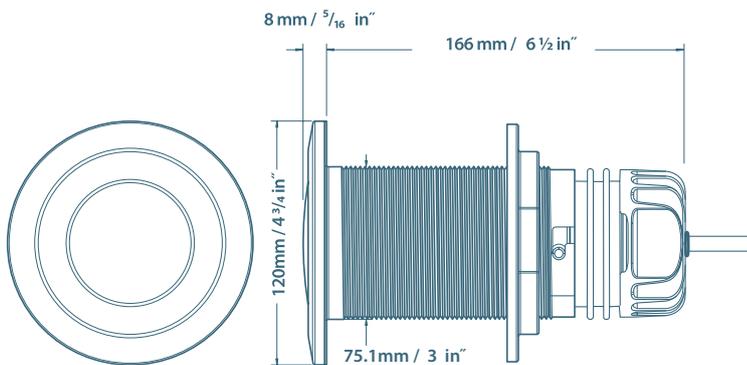


**AQUALUMA**  
LED LIGHTING

# GEN 4 - 12 SERIES

**COMMAND THE NIGHT:  
THE 12 SERIES LIGHTS UP THE WATER LIKE NEVER BEFORE**

The 12 Series is a larger Thru-Hull option, delivering impressive power and performance. Built with a corrosion-proof, injection-moulded, patented polymer housing, it is internally driven and fully maintainable. Now available in Ultra Blue, Brilliant White, and the vibrant new Cyan, the 12 Series is ideal for boats ranging from 12 metres (40 feet) to 30 metres (100 feet). As part of the Thru-Hull range, it comes with Aqualuma's 10-year housing warranty and a 3-year warranty on internals.



## 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 2.0 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





## COLOUR OPTIONS

### BLUE

- Colour temperature: 470nm
- Fixture Lumens : 570 lm
- Fixture Lumens Lowlight Conditions : 9,990 lm

### CYAN

- Colour temperature: 503nm
- Fixture Lumens : 625 lm
- Fixture Lumens Lowlight Conditions : 10,989 lm

### WHITE

- Colour temperature: 9000 to 10000 degrees Kelvin
- Fixture Lumens : 1,525 lm
- Fixture Lumens Lowlight Conditions: 3,608 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.

