

## Applications

- Diver and ROV Illumination

# OE11-152 / SeaLED 152



## LED Underwater Lamp

- 1,700 Lumen Output
- 98° Beam Coverage
- 6000msw Depth Rating

The SeaLED 152 is a compact and rugged underwater LED lamp, designed specifically for diver and ROV deployment applications.

The lamp is fitted with a high-density LED array, producing a broad and even beam of warm white light with a minimum measured illumination of 1000 Lux at 1 metre. The SeaLED152 is the perfect tool for the demanding requirements of underwater video tasks where accurate colour replication is essential.

The SeaLED 152 lamp has a dimmable feature and a wide (98°) beam angle. The SeaLED152 utilises a robust 6000msw titanium alloy housing.

- Diver and ROV Illumination

## OE11-152 / Sealed 152

### Technical Specifications

<b>Electrical</b>	
Lighting	LED lamp
Total Luminous Output	1,700 Lumens (typical)
Illuminance @ 1 metre	1000 Lux (minimum)
Beam Angle	98° in water (half power points) 99° in air (half power points)
Colour Temperature	6500K (various colour temperatures available on request)
LED Life	>50,000 hours if adequately cooled
Power Input	18 to 30 VDC, 24.5W nominal (24 VDC – 24.5W, 1.02A)
Inrush Current	250mA
Dimming	0-10 VDC, PWM dimming
<b>Mechanical</b>	
Dimensions	Diameter: 46.2mm (at widest point), Length: 140mm (excl. connector)
Weight	In air: 0.42kg In water: 0.25kg
Shipping Weight	0.7kg
Housing Material	Titanium Alloy 6AL/4V to ASTM B 348 Grade 5
Connector	Subcon MCBH3M connector (other connector options are available)
Optional connectors :- LPBH3M, BH4M XSG-3-BCL-HP	Pin 1: 0V Pin 2: +18 to 36VDC Pin3: 0-10V dimming control
<b>Environmental</b>	
Operating Depth	6000 msw
Temperature	Operating: -5°C to 40°C (In Water) Storage: -20°C to 60°C
Shock	30G peak acceleration, 25ms half sine duration, on all three axes
Vibration	10G, from 20 to 150HZ on all three axes
Electro-Magnetic Compatibility	BS EN 61000-6-3 2007 Emission and BS EN 61000-6-1 2007 Immunity

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