

OE11 - 150



LED Underwater Lamp

- 2,460 Lumen Output
- 80° Beam Coverage
- 4500msw Depth Rating

The OE11-150 is a compact and rugged underwater LED lamp, designed specifically for diver and ROV deployment applications.

The lamp is fitted with an array of twelve high power LEDs producing a broad even beam of white light with a luminous output of 2,460 lumens and a minimum measured illumination of 800 Lux at 1 metre.

The OE11-150 is the perfect tool for the demanding requirements of underwater video tasks where accurate colour replication is essential.

The OE11-150 LED lamp has a dimmable feature and a wide (80°) beam angle. The OE11-150 utilises a robust 4500msw hard anodised aluminium alloy housing.



- Diver and ROV Illumination

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Technical Specifications

Electrical	
Lighting	LED lamp
Total Luminous Output	2,460 Lumens (typical)
Illuminance @ 1 metre	800 Lux (minimum)
Beam Angle	80° in water (half power points) 82° in air (half power points)
Colour Temperature	6500K nominal (various colour temperatures available on request)
LED Life	>50,000 hours if adequately cooled
Power Input	18 to 30 VDC, 54W nominal (18 VDC – 57.6W, 3.2A) (30 VDC – 50.1W, 1.67A)
Inrush Current	6A
Mechanical	
Dimensions	Diameter: 95mm (main body), Length: 114mm (excl. connector)
Weight	In air: 1.1 Kg In water: 0.6 Kg
Shipping Weight	2 Kg
Housing Material	HE 30T6 marine grade aluminum to BS1470
External Finish	Hard anodised, black finish
Connector	Seacon LPBH3M connector (other connector options are available) Pin 1: 0V Pin 2: +18 to 30VDC Pin3: 0-5V dimming control
Environmental	
Operating Depth	4500 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