

IM11 – 156



LED Underwater Lamp

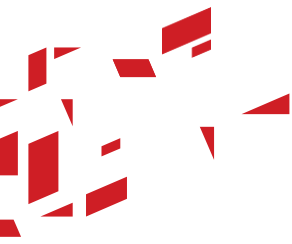
- 2460 Lumen Output
- 70° Beam Coverage
- 4500msw Depth Rating

The IM11-156 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 2460 Lumens.

The IM11-156 is the perfect tool for the demanding requirements of underwater video tasks where accurate colour replication is essential.

The IM11-156 LED lamp has a dimmable feature and a 70° beam angle. The IM11-156 utilises a robust 4500msw hard anodised aluminium alloy housing.



- Diver and ROV Illumination

IM11-156

Technical Specifications

Electrical	
Lighting	LED lamp
Total Luminous Output	2460 Lumens (typical)
Beam Angle	70° in water 73° in air
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: 123mm (excl. connector)
Weight	In air: 1.4 Kg In water: 0.9 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