

LED lamp

oe11-150r



- Red light output
- Low fish impact
- Low maintenance compact design

Kongsberg Maritime's lamps have been designed to address the specific requirements of high quality video inspection and observation tasks under water and in harsh environments.

The OE11-150R is a compact and powerful LED inspection lamp which utilises the latest high brightness Lamp Emitting Diodes.

Incorporating red LEDs, the OE11-150R is suitable for fisheries research and aquaculture applications. The dimmable OE11-150R has a wide 68° beam and minimum measured illumination of 0.85W/m<sup>2</sup> @ 1m from 50W power.

The OE11-150R is depth rated to 4,500 metres and the low maintenance LEDs have >50,000 hours of life (if adequately cooled).

## Standard Features

### Electrical

|                                |  |
|--------------------------------|--|
| Lighting                       | LED Lamp   |
| Illumination at 1m             | 0.85W/m <sup>2</sup> (minimum)                                 |
| Beam                           | 68° in Water   |
| Wavelength                     | Red (617nm)  |
| LED Life                       | >50,000 hours if adequately cooled                             |
| Power Input                    | 18 to 30V, nominal 24V dc (50 Watts)                           |
| Electro-Magnetic Compatibility | BS EN 61000-6-3 2007 Emission<br>BS EN 61000-6-1 2007 Immunity |

### Environmental

|             |  |
|-------------|--|
| Water Depth | 4,500 metres   |
| Temperature | Operating -5°C to +40°C in Water<br>Storage -20°C to +60°C |
| Vibration   | 10g, 20-150Hz  |
| Shock       | 30g peak, 25mS half-sine pulse                             |

### Mechanical

|                      |  |
|----------------------|--|
| Diameter (Main Body) | 95mm   |
| Overall Length       | 114mm (excluding connector)  |
| Weight               | Air 1.1 Kg<br>Water 0.6 Kg   |
| Standard Housing     | Marine Grade Aluminium 6082-T6,<br>Anodized and dyed black to OPS2A    |
| Standard Connector   | LPBH 3M<br>Pin 1: 0V<br>Pin 2: +18-30V<br>Pin 3: 0-10V Dimming Control |


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