



OceanTools

L5 BlackLight

Subsea leak detection LED lamps

DC powered blacklight replacement flood lamps for subsea leak detection with up to 5,000 lumen output, supporting a range of control options.



The OceanTools **L5 BlackLight** subsea leak detection lamps utilise the very latest in LED technology to give unrivalled performance to generate up to 5,000 lumens at 520–530nm (green) for Rhodamine illumination, or up to 2,000 lumens at 470–480nm (blue) for Fluorescein illumination.

The lamp housings are available in two depth ratings – 4000m aluminium and 8000m titanium – with provision for a mounting bracket or clamp.

Key Product Features

- Operating life > 50,000 hours
- Flicker free control options including RS232, RS485, Ethernet and Analogue
- Field serviceable including in-field replacement of LED board
- 24 LED flood configuration
- Rhodamine or Fluorescein dye illumination
- Provision for mounting bracket or clamp

Key Product Benefits

- 30 month standard OceanTools warranty
- Low lifetime cost of ownership
- Highly versatile and multi-functional
- Ease of system integration



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Specifications

	L5 Rhodamine	L5 Fluorescein
Environmental		
Depth rating	4000 or 8000 metres	
Operating temperature	-10°C to +40°C	
Storage temperature	-30°C to +70°C	
Electrical		
Input voltage	24VDC (12–32VDC)	
Maximum current	2.5A @ 24VDC	
Dimming	RS232, RS485, 0-5/10VDC or Ethernet	
Optical		
Excitation wavelength	520–530nm	470–480nm
Light output	Up to 5,000 lumens	Up to 2,000 lumens
Beam angle	Flood 110°	
Mechanical		
Housing	Anodised Aluminium (4000m) or Titanium (8000m)	
Window	Sapphire Glass	
External diameter	80mm	
External length	100mm	
Weight in air *	0.9kg	
Weight in water *	0.5kg	
Connector	SEACON MCBHMP SS or Glenair G5507-1506 (others on request)	
* 4000m rated version		

Related Products

D3 and D5 DyeLighter systems include specially developed optics to focus, filter and diffuse the dye illumination light for improved performance over a typical blacklight.

Product datasheets, GA drawings, case studies and other supporting documents are available to download from data.oceantools.co.uk

All specifications are subject to change without notice. E&OE.

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