

OceanTools

L5 Subsea Light

Highly versatile subsea LED lamp

24VDC or 120VAC flood and spot lamps with up to 12,000 lumen output, supporting a range of control options.



24VDC L5 Flood (4000m Aluminium)



120VAC L5-AC Flood (4000m Aluminium)

The OceanTools **L5** subsea lamp utilises the very latest in LED technology and optics to give unrivalled performance and generate a market leading efficiency of more than 220 lumens per Watt, resulting in an output of up to 12,000 lumens.

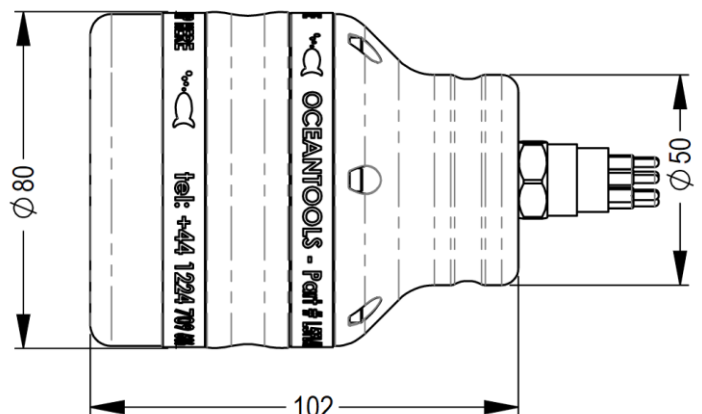
L5 lamps are available in both flood and spot versions, and form part of a range of subsea lamps designed by OceanTools based on client requirements. The lamp housings are available in two depth ratings – 4000m aluminium and 8000m titanium – with provision for a mounting bracket or clamp.

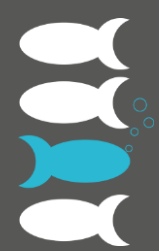
Key Product Features

- 24VDC lamps with flicker-free RS232, RS485 or Analogue control options
- 120VAC lamps operate from leading and trailing edge Triac dimmer cards
- Field serviceable including in-field replacement of LED board
- 24 LED flood or focused 12 LED spot versions (24VDC only)
- Multiple colour temperature options
- Operating life > 50,000 hours
- Provision for mounting bracket or clamp

Key Product Benefits

- Low lifetime cost of ownership
- Highly versatile and multi-functional
- Ease of system integration





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Specifications

	L5 Flood	L5 Spot	L5-AC Flood
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)		120VAC (110–130VAC)
Maximum current	3.2A @ 24VDC *	1.6A @ 24VDC	0.5A @ 120VAC
Dimming	RS232, RS485 or 0-5/10VDC		Triac Control
Optical			
Light output	Up to 12,000 lumens *	Up to 5,000 lumens	Up to 4,000 lumens
Lumen maintenance	> 50,000 hours		
Efficiency (typical)	> 220 lumens/Watt		80 lumens/Watt
Beam angle	110°	60°	120–140°
Colour temperature	6500 Kelvin (5700 or 3700 Kelvin optional)		6000–6400 Kelvin
Mechanical			
Housing	Anodised Aluminium (4000m) or Titanium (8000m)		
Window	Sapphire Glass		
External diameter	80mm		
External length	102mm (4000m) or 106mm (8000m)		
Weight in air	0.9kg (4000m) or 1.3kg (8000m)		
Weight in water	0.5kg (4000m) or 0.8kg (8000m)		
Connector	Subconn MCBH5M or Glenair G5507-1506 (others on request)		
* 8000m rated L5 Flood current limited to approx 1.6A, hence up to 6,000 lumens			

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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