

OceanTools

L5 Subsea Light

Highly versatile subsea LED lamp

24VDC or 120VAC flood and spot lamps with up to 10,000 lumen output, supporting a range of control options.



24VDC L5 Flood (4000m Aluminium)



120VAC L5-AC Flood (4000m Aluminium)

The OceanTools **L5** subsea light utilises high intensity LED technology with a luminous efficacy of more than 120 lumens per Watt to generate an output of up to 10,000 lumens. The **L5-AC** supports an AC power supply and Triac dimming.

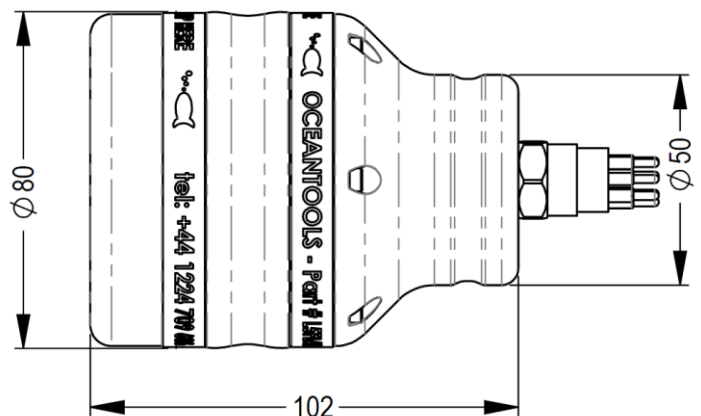
L5 lamps are available in both flood and spot versions, and form part of a range of subsea lamps designed by OceanTools based on client requirements. The lamp housings are available in two depth ratings – 4000m aluminium and 8000m titanium – with provision for a mounting bracket or clamp.

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)
- 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
Electrical	Input voltage	24VDC (12–28VDC)		120VAC (110–130VAC)
	Maximum current	3.2A @ 24VDC *	1.6A @ 24VDC	0.5A @ 120VAC
	Dimming control	RS232, RS485 or 0-5/10VDC		Triac Control
Optical	Light output	Up to 10,000 lumens *	Up to 5,000 lumens	Up to 4,000 lumens
	Lumen maintenance	> 50,000 hours		
	Luminous efficacy	> 120 lumens/Watt		80 lumens/Watt
	Beam angle in air	110° (FWHM)	60° (FWHM)	120–140°
	Beam angle in water	75° (FWHM)	44° (FWHM)	~85°
	Colour temperature	6500 Kelvin		6000–6400 Kelvin
	Colour accuracy	70 CRI		
Environmental & Mechanical	Depth rating	4000 or 8000 metres		
	Operating temperature	-10°C to +40°C		
	Housing material	Anodised Aluminium (4000m) or Titanium (8000m)		
	Window material	Sapphire Glass		
	Maximum diameter	80mm		
	Length excl connector	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)		
	Standard connector	Subconn MCBH5MSS (others on request)		
* 8000m rated L5 Flood current limited to approx 1.6A, hence up to 5,000 lumens				

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

Version 20 (15.12.2025)

