



# OceanTools

## L5 Subsea Lights

### Highly versatile subsea LED lamps

24VDC and 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 lamp utilises the very latest in LED technology and optics to give unrivalled performance and generate a market leading efficiency of more than 140 lumens per Watt, resulting in an output of up to 10,000 lumens.

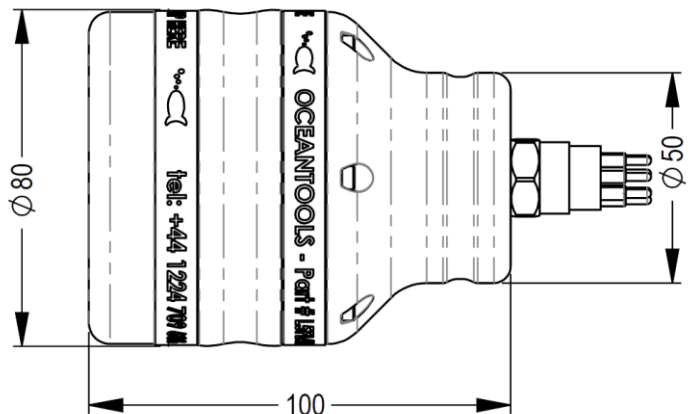
**L5** lamps are available in both flood and spot versions, and form part of a range of subsea lamps designed by OceanTools based on client requirements. The lamp housings are available in two depth ratings – 4000m aluminium and 8000m titanium – with provision for a mounting bracket or clamp.

### 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

- 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 Flood	L5 Spot	L5-AC Flood
<b>Environmental</b>			
Depth rating	4000 or 8000 metres		
Operating temperature	-10°C to +40°C		
Storage temperature	-30°C to +70°C		
<b>Electrical</b>			
Input voltage	24VDC (12–32VDC)		120VAC (110–130VAC)
Maximum current	3.2A @ 24VDC *	1.6A @ 24VDC	0.42A @ 120VAC
Dimming	RS232, RS485 or 0-5/10VDC		Triac Control
<b>Optical</b>			
Light output	Up to 10,000 lumens *	Up to 5,000 lumens	Up to 5,000 lumens
Lumen maintenance	> 50,000 hours		
Efficiency (typical)	> 140 lumens/Watt		
Illuminance at 1m	3740 lux *	5940 lux	1860 lux
Colour temperature	6500 Kelvin (5700 or 3700 Kelvin optional)		
Colour accuracy	80 CRI (all colour temperatures)		
Beam angle	Flood 110°	Spot 60° (45° or 35° optional)	Flood 110°
<b>Mechanical</b>			
Housing	Anodised Aluminium (4000m) or Titanium (8000m)		
Window	Sapphire Glass		
External diameter	80mm		
External length	100mm		
Weight in air	0.9kg (4000m) or 1.3kg (8000m)		
Weight in water	0.5kg (4000m) or 0.8kg (8000m)		
Connector	SEACON MCBHMP SS or Glenair G5507-1506 (others on request)		
* 8000m rated L5 Flood current limited to 2.0A, hence up to 6,500 lumens and 2420 lux			

Product datasheets, GA drawings, case studies and other supporting documents are available to download from [data.oceantools.co.uk](http://data.oceantools.co.uk)  
 All specifications are subject to change without notice. E&OE.

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