



OceanTools

OceanLED

Subsea LED lighting

OceanLED variable intensity subsea LED lights are designed to operate either as a stand-alone light or digitally controlled as part of the OceanTools SmartNET network.



Overview

OceanLED lights are available as either cool white (5500K) visible light with a 2200 lumen output or 850nm Infra Red with 7W typical radiant flux. Both variants offer a wide beam angle, making them suitable for a range of underwater diving or ROV tasks.

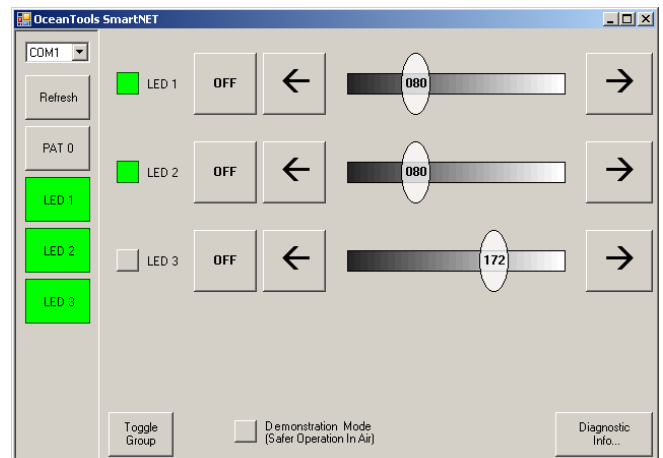
The internal LED array produces a very high light output with minimal power consumption. The use of LEDs means the lamp has no delicate filaments, and the array is protected by a thermal switch. Intensity is controlled via RS485 commands or analogue voltage input as standard, but fixed intensity lamps can be supplied if required.

Up to 16 **OceanLED** lights can be connected together via RS485 and powered from a single suitable source. Intensity of all connected lamps is individually controllable using the OceanTools SmartNET Windows user-interface, which can also control the **PT330** range of pan & tilts and camera zoom, focus, iris and white balance on **OceanCAM-SD** cameras.

The **OceanLED** has an acrylic domed window and a choice of hard anodised aluminium, stainless steel or titanium housing for 2000m, 3000m or 4000m depth ratings respectively.

Key Features

- 2000m to 4000m depth rating
- No delicate filament
- Low power consumption
- Wide beam angle
- Multiple units can be daisy chained
- Operating life > 50,000 hours



Specifications

	OceanLED –VI	OceanLED-IR
Light output type	5500K ± 500K (Colour temperature)	850nm (IR wavelength)
Maximum output	2200 lumen (Luminous flux)	7W (Radiant flux)
Beam angle	125°	110°
Window / lens	Acrylic domed	
Serial interface	RS485	
Input voltage	24VDC	
Maximum current	1A @ 24VDC	
Length (excl connector)	98mm	
Diameter	90mm	
Depth rating	2000m or 3000m or 4000m	
Weight in air	760g (material dependent)	
Weight in water	340g	
Operating life	> 50,000 hours	

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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