

LUXUS High Power LED



The LUXUS High Power LED is an ultra bright LED light designed for tasks or environments that demand extra lighting. The LED has an output of 4500 lumen and is available with different reflectors. It is ideal for ROV and underwater inspection applications.

It is a wet and dry light and can also be used in the splash zone. The electronics have an automatically resetting thermal protection switch to protect the LED and LED driver from high temperatures.

The LUXUS High Power LED can be dimmed with a reference voltage of 0 to 10 VDC or with an analogue resistor and can be powered with a wide AC range from 90 to 250 V, and is available in a DC version. The light is delivered with SubConn® or alternative customer specified connectors.

The housing is made from sandblasted titanium and has a depth rating of 4,000 metres.

Features and benefits

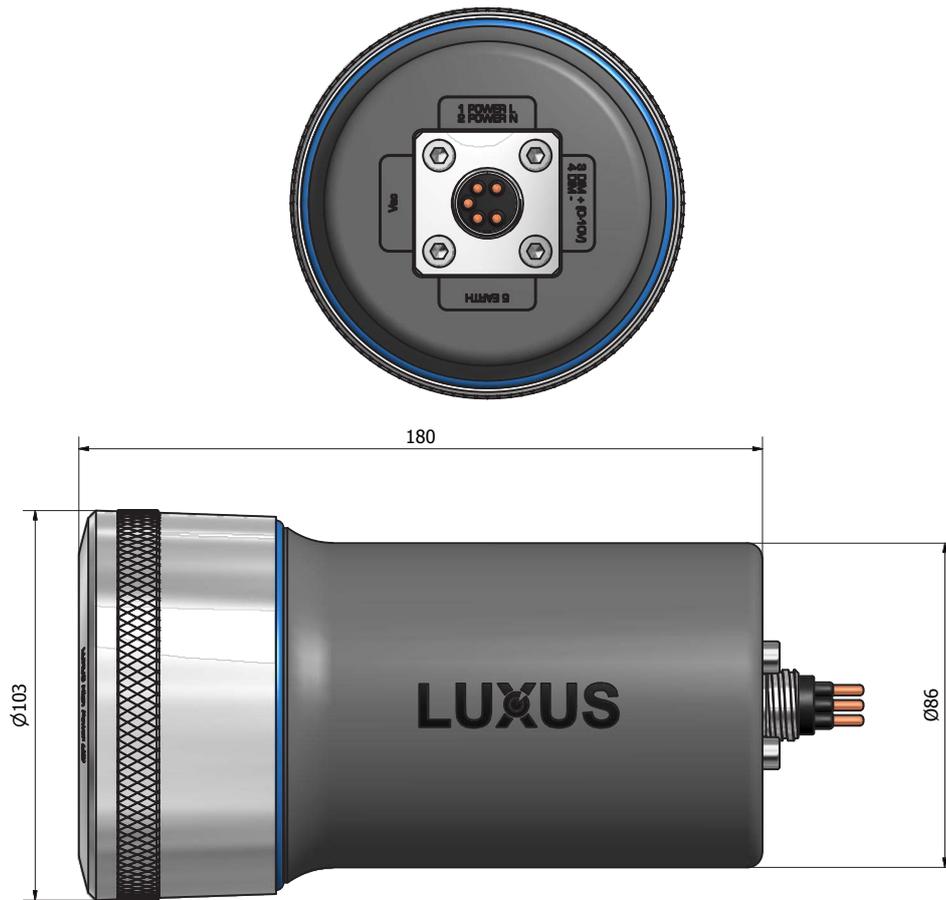
- Very high output
- Wet and dry
- 4,000 m depth rating
- Thermal protection

Applications

- General underwater inspection
- ROV systems
- Trencher systems
- Crawler systems
- Tow and drop camera systems
- Benthic sledge systems
- Underwater observatory systems

Options

- A range of different reflectors
- Alternative connectors
- Custom wiring
- LUXUS universal mounting bracket



Specifications

Electrical

Power supply:	24 - 32 VDC 90 - 250 VAC / 50 - 60 Hz
Power consumption:	50 W
Dimming:	0 - 10 VDC or potentiometer
Standard wiring:	1 Power + (DC) 2 Power Gnd (DC) 3 Dimming (10 VDC)
	1 Power (AC) 2 Power (AC) 3 Dimming (+10 VDC) 4 Dimming (Gnd) 5 Earth

Mechanical

Material:	Titanium
Standard connector:	SubConn® FCR1503M Ti (DC power supply) SubConn® FCR1505M Ti (AC power supply)

Other connectors:	On request
Dimensions:	See drawing (mm)
Weight:	2,500 g in air 1,325 g in water
Window/Lens:	Borosilicate glass
Thermal protection:	Yes, auto resetting

Optical

Beam angle air:	48° or 28°
Beam angle water:	36° or 21°
Output::	4,500 lumen
Typical colour temperature:	>5,600 °K

Environmental

Depth rating:	4,000 m
Test pressure:	600 bar
Storage temperature:	-30 to +70 °C
Operating temperature:	-15 to +50 °C