

B Light

Subsea Multipurpose 24Vdc Mini LED Floodlight

The Teledyne Bowtech 4,000m rated B Light is a multipurpose 24Vdc, subsea mini LED floodlight, ideal for use on smaller platforms such as observation class ROVs that require a small bright, low-power 1,500 lumens light.

Housed in hard anodised aluminium, the B Light has a diameter of 31mm and a length of 54mm with a fixed 6m bare ended cable and comes with thermal protection to help prevent the light from overheating.

The B Light comes complete with external ON / OFF power switching and 'Remote active dimming control' which is operated via the Teledyne Bowtech browser (supplied on a USB stick) through an RS-485 interface.

The multipurpose low power B Light is versatile, robust, and ideal where space is of a premium. It can even be fitted to manipulator arms for better visibility during very detailed close-up work.



Applications: Small ROV

PRODUCT FEATURES AND BENEFITS

- Miniature low-power 24Vdc, LED light
- Remote active dimming control
- Thermal limiting protection feature
- High-quality durable anodised aluminium 4000m rated housing
- For smaller subsea vehicles where space is a premium
- Ideal for a range of subsea operations including manipulator arms



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B Light

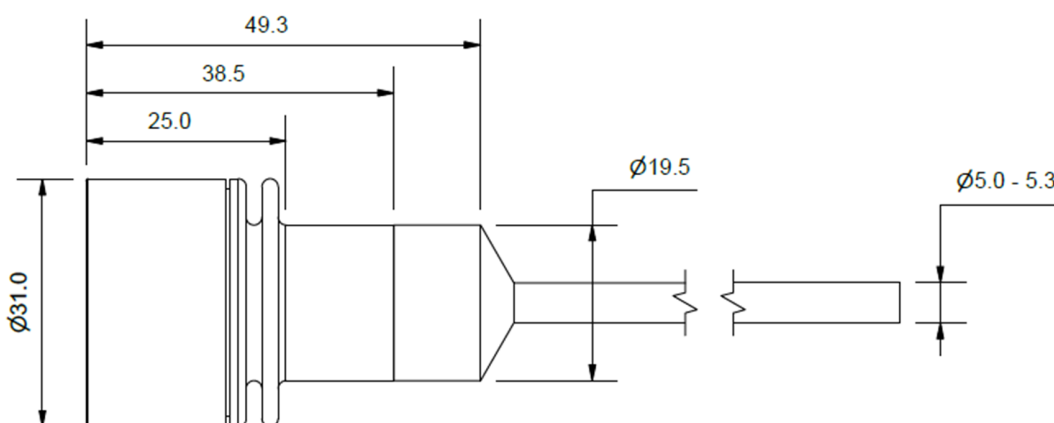
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TECHNICAL SPECIFICATIONS

Electrical	Voltage	24Vdc (24 to 28Vdc)
	Current at nominal voltage	0.6A
	Power	14W
	Connector	6m open ended tail
	Control method	RS-485 serial input interface
Optical	Luminous flux options	1,500 lumens
	Typical illuminance @ 1m	500lx
	Lumen maintenance (70%)	>36,000 hours
	Colour temperature	5,700K
	Beam angle	80°
Mechanical	Housing / window	Aluminium-6082 T6 (hard anodised) / optical acrylic
	Dimensions	Ø31mm (LED Housing), Ø19.5mm (body) x 49.3mm length (exc. Cable)
	Weight in air / in water	0.050kg / 0.035kg
Environmental	Depth rating	4000m
	Storage temperature	-30°C to +70°C
	Operating temperature	-10°C to +20°C
	Shock	3 axis (operating), 30g peak, 6ms half sine pulse
	Vibration	3 axis (operating), 10g, 20 to 150Hz
	EMC emissions & immunity	BS EN 55015:2013+A1:2015, except clause 4.4.2 BS EN 61547:2009, except clause 5.3
	RoHS	Directive 2011/65/EU

Product Dimensions (for reference only)



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