

# LED-S-SERIES

10,000 Lumen Underwater LED Flood Light



underwater **vision** specialists

## Features

- 10,000\* Lumens
- Hard Anodised Aluminium
- Up to 80° Beam Angle in water
- 6,000 Metre Operating Depth



## Description

The Bowtech Products LED-S-SERIES is a high powered underwater LED light, with a 10,000\* lumen output. The light features our latest LED technology.

Rated to operate at 6,000 metres ocean depth, the lights are manufactured with anodised aluminium, offering proven corrosion resistance.

The 80° wide beam angle light produced, is ideal for illuminating large areas for HD viewing tasks. Narrower beam angles are available.

## Benefits of LED Lighting

No Fragile Filaments

Rugged Construction

Highly Shock and Vibration Resistant

Average Lifetime Greater than 50,000 hours

Enormous "In-service" Cost Saving Over Incandescent Bulbs

Available in Various Colour Temperatures



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Last updated 5<sup>th</sup> November 2014  
Revision: 7

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## Specification – LED-S-SERIES

### ELECTRICAL

Voltage: AC: 100V to 130V  
DC: 130V to 150V

Apparent Power 110Vac – 210VA  
120Vac – 231VA  
130Vac – 254VA

### OPTICAL

Window/Lens: Acrylic  
Typical Luminous Flux: Variable up to 10,000\* Lumens  
Dimming Control: RS-485 (multi-drop option available with termination resistor),  
Analogue Input 0-5V or 0-10V, analogue Input 0-20mA or 4-20mA  
Typical Colour Temperature: 6,500 Kelvin (5,600 or 3,400 option)

### ENVIRONMENTAL

Operating Depth: 6,000m (19,685ft)  
Storage Temperature: -30 to +70°C  
Operating Temperature: -10 to +35°C  
Housing Material: Hard Anodized 6082-T6 Aluminium (Sacrificial anode option available)

### MECHANICAL

Weights in Air (Aluminium housing): Rear Connector option 1.177kg\*  
Weights in Water (Aluminium housing): Rear Connector option 537g\*\*  
Thermostat Cut-off: Thermal Limiting Circuit  
Available Beam Angle: Minimum 20° – Maximum 80° in water  
Depth: Rear Connector option 51.72mm\*  
Width: 102.0mm  
Height: 112.0mm  
Standard Connector: MCBH3M or MCBH5M  
Connector Position: Rear, Side or Base \*

\*Lumen output can be restricted to accommodate lower power input, please contact Bowtech

\*\*Dimension of lamp will be increased to fit connector on base or side of lamp, weight will increase accordingly

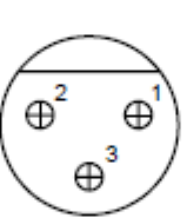
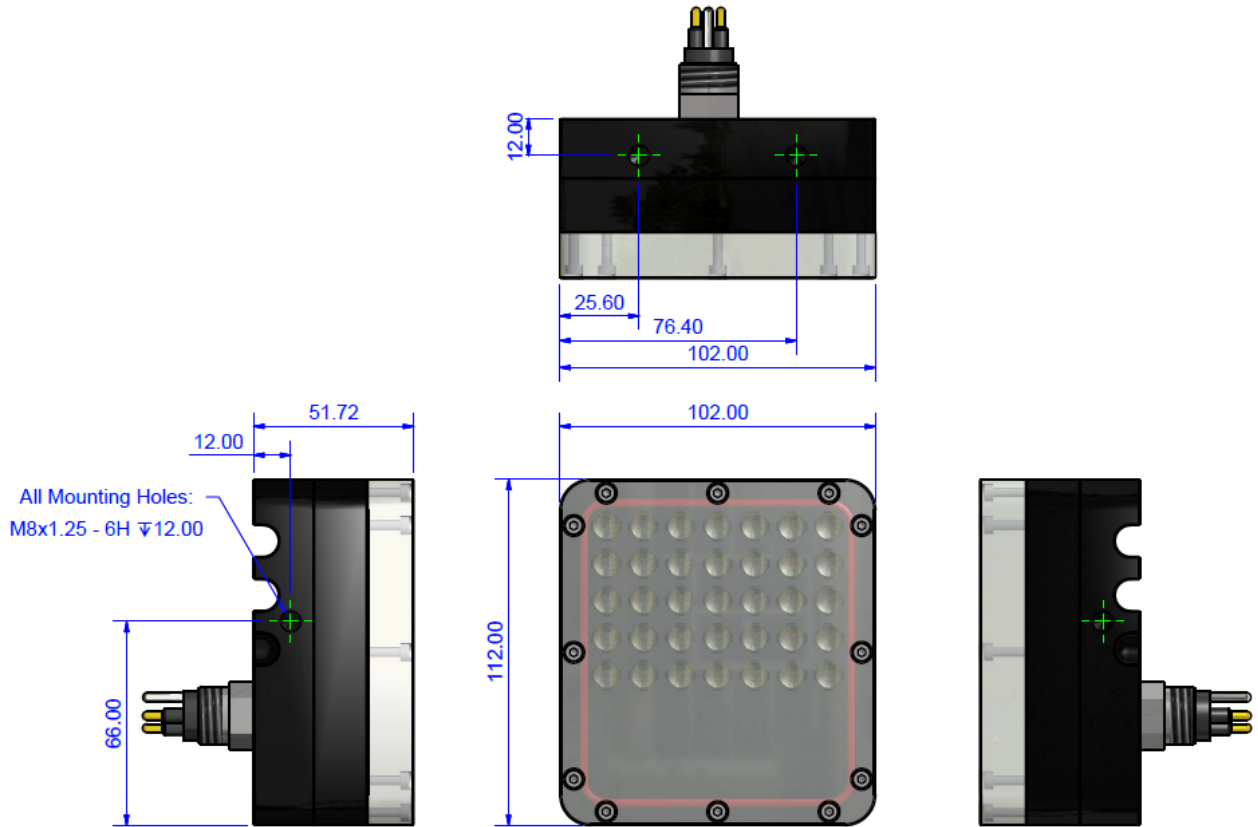


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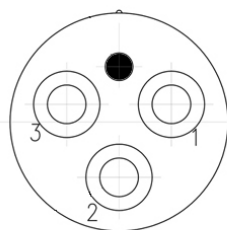
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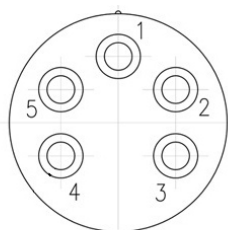
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5506-1503



MCBH3M



MCBH5M

(connector face patterns not to scale)



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