

# 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 27<sup>th</sup> August 2014  
Revision: 3

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## Specification – LED-S-SERIES

### ELECTRICAL

Voltage:	AC: 100V to 120V DC: 130V to 150V 150W max
Power Factor	0.68 (110Vac)

### 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 +40°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:	171.0mm
Standard Connector:	MCBH3M or MCBH5M
Connector Position:	Rear, Side or Base *

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



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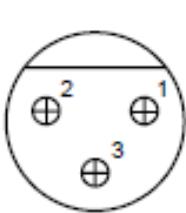
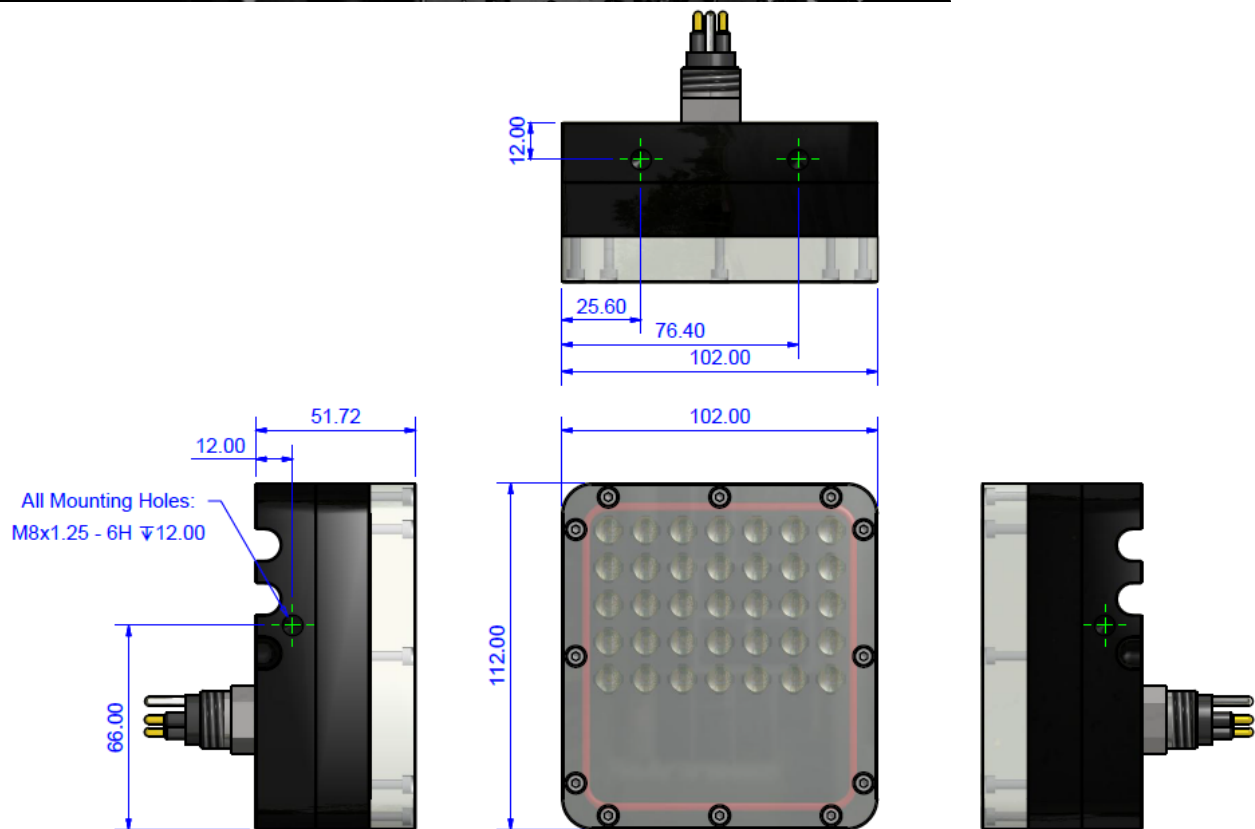
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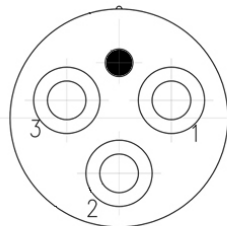
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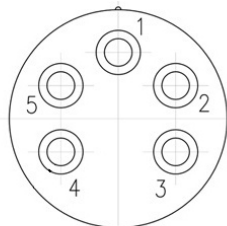
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5506-1503



MCBH3M



MCBH5M

(connector face patterns not to scale)



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