

# LED-V-SERIES

## 20,000 Lumen Underwater LED Flood Light



underwater **vision** specialists

### Features

- 20,000 Lumens
- Hard Anodised Aluminium
- Up to 80° Beam Angle in water
- 6,000 Metre Operating Depth



### Description

The Bowtech Products LED-V-SERIES is a high powered underwater LED light, with a 20,000 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 63° 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



© Bowtech Products Ltd 2014 All rights reserved.  
Bowtech Products Ltd reserves the right to change the  
above specifications without notice.

T +44 1224 772345  
F +44 1224 772900

sales@bowtech.co.uk  
[www.bowtech.co.uk](http://www.bowtech.co.uk)

Last updated 27<sup>th</sup> August 2014  
Revision: 3

# LED-V-SERIES

## 20,000 Lumen Underwater LED Flood Light



underwater **vision** specialists

## Specification – LED-V-SERIES

### ELECTRICAL

Input Power:	AC: 100V to 120V or 210V to 250V DC: 130V to 150V or 260V to 300V 300W max
Power Factor:	0.72 (110Vac), 0.55 (230Vac)

### OPTICAL

Window/Lens:	Acrylic
Typical Luminous Flux:	Variable up to 20,000 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 and 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 1.8kg, Side/Base Connector 2.1kg
Weights in Water (Aluminium housing):	Rear Connector 1.1kg, Side/Base Connector 1.3kg
Thermostat Cut-off:	Thermal Limiting Circuit
Available Beam Angle:	Minimum 20° – Maximum 80° in water
Depth:	Rear Connector 51.7mm, Side/Base Connector 69.7mm
Width:	102.0mm
Height:	171.0mm
Standard Connector:	MCBH3M or MCBH5M
Connector Position:	Rear, Right Side or Base
Mounting Options:	M8x1.25 mounting holes on top and sides.



© Bowtech Products Ltd 2014 All rights reserved.  
Bowtech Products Ltd reserves the right to change the  
above specifications without notice.

T +44 1224 772345  
F +44 1224 772900

sales@bowtech.co.uk  
[www.bowtech.co.uk](http://www.bowtech.co.uk)

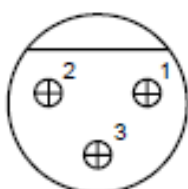
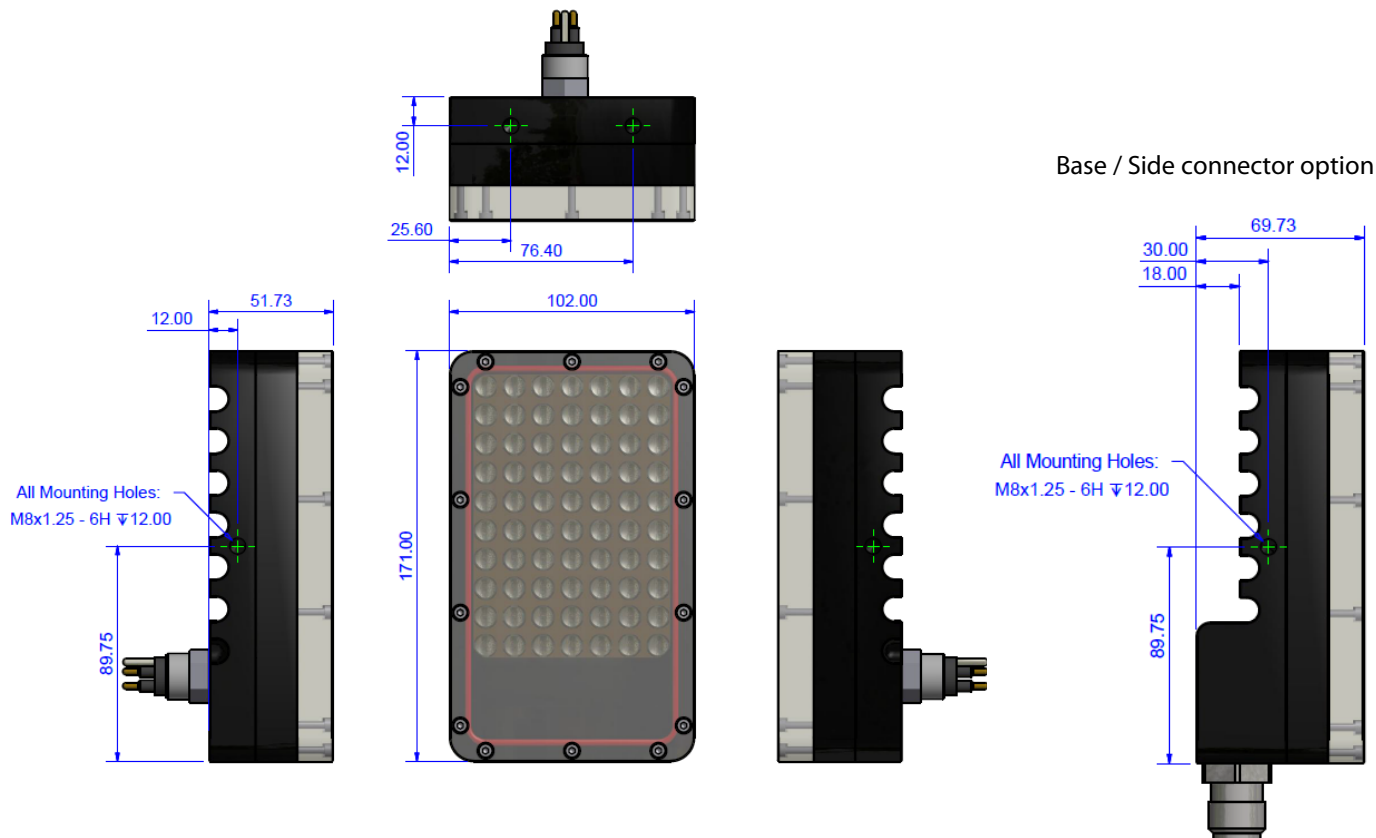
Last updated 27<sup>th</sup> August 2014  
Revision: 3

# LED-V-SERIES

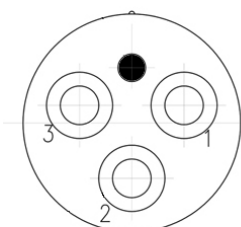
## 20,000 Lumen Underwater LED Flood Light



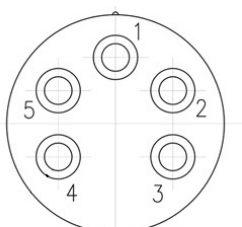
underwater **vision** specialists



5506-1503



MCBH3M



MCBH5M

(connector face patterns not to scale)



© Bowtech Products Ltd 2014 All rights reserved.  
Bowtech Products Ltd reserves the right to change the  
above specifications without notice.

T +44 1224 772345  
F +44 1224 772900

sales@bowtech.co.uk  
[www.bowtech.co.uk](http://www.bowtech.co.uk)

Last updated 27<sup>th</sup> August 2014  
Revision: 3