

LED-N-SERIES

Underwater LED Light



underwater **vision** specialists

Features

- 2,100 or 3,200 Lumens
- 24Vdc
- 80° Wide Angle Beam of Light
- 6,000 Metre Rated Aluminium Housing



Description

The Bowtech Products LED-N-SERIES underwater LED lights are available with 2,100 or 3,200 lumen outputs and various colour temperature options. These lights feature the latest LED technology and are now a real alternative to incandescent lamps.

Due to Bowtech Products' continued history of innovation, these lights feature the latest and best underwater LED lighting technology available.

The 6,000 metre rated housing, is made from hard anodised aluminium, titanium or stainless steel, offering proven corrosion resistance.

The 80° diagonal wide beam angle light produced, is ideal for colour video inspection of viewing tasks.

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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Revision: 0

Specification – LED-N-SERIES

ELECTRICAL

Input Power Requirement: 24Vdc, 1000mA (2100 lumen model), 1600mA (3200 lumen model)

OPTICAL

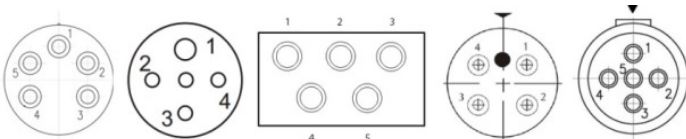
Window/Lens: Glass (Quartz)
 Typical Luminous Flux: 2,100 or 3,200 Lumens
 Typical Illuminance @ 1m: 735 lx (2,100 lumen model), 1,280 lx (3,200 lumen model)
 Dimming: 0-5Vdc, 0-10Vdc, Bipolar, RS-485
 Typical Colour Temperature: 6600 Kelvin (options available)
 Lumen Maintenance (70%): 50,000 hrs

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
 Optional Housing Materials: Titanium, Stainless Steel

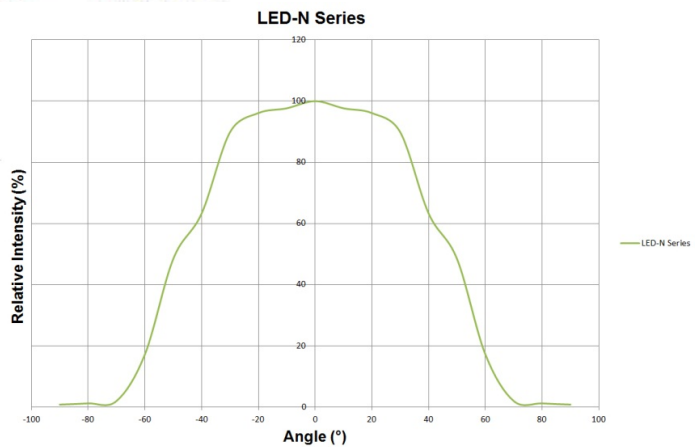
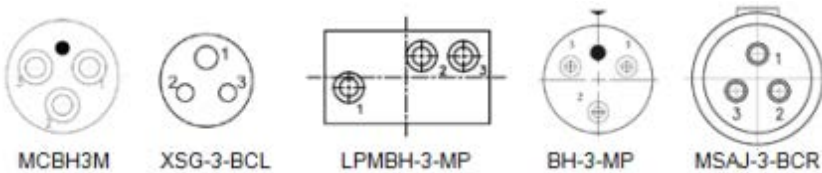
MECHANICAL

Models: LED-N-2100, LED-N-3200
 Length: 105.0mm (4.1in) Excluding Connector
 Diameter: 82.2mm (3.2in) Front-end, 38.1mm (1.5in) Body
 Weights in Air: Aluminium 0.765kg (1.69lbs)
 Weights in Water: Aluminium 0.545kg (1.20lbs)
 Thermostat Cut-off: Thermal Limiting Circuit
 Typical Beam Angle: 80° to 50% Power Points
 Standard Connector: MCBH3M
 Optional Connectors: A Wide Range of Connectors



MCBH5M XSG-5BCL LPMBH-5-MP BH-5-MP MSAJ-5-BCR (connector face patterns not to scale)

For use with RS-485 control option:



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