

LED Multi-Sealite®

- Virtually zero maintenance with 50,000 hour LED lifespan.
- Over five times more efficient than comparable halogen lamps.
- Super rugged, highly vibration and shock resistant.
- Thermal monitoring allows operation in air or water.
- White, blue and green LEDs available.
- 6000m depth rated.



DEEPSEA
POWER & LIGHT®

LED Multi-SeaLite®

SPEC REV A 11/23/10

The revolutionary LED Multi-SeaLite® from DeepSea Power & Light will change the way you look at underwater lighting. Gone are the days of down-time caused by lamp changes. LED Multi-SeaLites® have a 50,000 hour lifespan, and are incredibly shock and vibration resistant. The LED Multi-SeaLite's® high color temperature white LEDs, variety of monochromatic colored LEDs, and state of the art reflectors give you the ability to put light where you need it and reduce wasted light that is often experienced as back-scatter. DeepSea's proprietary driver circuitry and high efficiency LEDs combine to create a fixture that produces over five times more light per watt than comparable halogen lamps. To top it all off, you can easily convert your current suite of Midwater or Deep Multi-SeaLites® to LED Multi-SeaLites®, using the same bodies, mounts, and connectors that you keep in your spares kit.

MECHANICAL			
Body Material	Hard Anodized Aluminum (6061)		
Window Material	Acrylic		
Mounts	High Strength Plastic Mounting Collar (standard) Stainless Steel Yoke Mounting Bracket (optional) Helmet Mounting Bracket (optional)		
Air Weight	896g (31.6oz)		
Water Weight	420g (14.8 oz)		
Implodible Volume	57cc (3.5 ci)		
ENVIRONMENTAL			
Depth Rating	6,000m (20,000ft)		
Test Pressure	10,000 psi		
Crush Depth*	9,700m (31,000ft)		
Min/Max Operation Temp.	-10°C to 40°C (14° to 104°F)		
OPTICAL			
Colors	White	Blue	Green
Lumens in the Water**	2400 lumens	TBD	TBD
Color Temp	5500°K	n/a	n/a
Dominant Wavelength***	n/a	475nm	525nm
Beam Pattern****	Medium: 30°		
ELECTRICAL			
Input Voltage	85 - 135v AC (100 - 180v DC) 185 - 265v AC(200 - 300vDC) 10-32v DC (0-5vdc analog dimming)		
Current Draw	550ma @ 120v AC		
True Power	44w		
Power Factor	0.66		
Dimming	0%-100% via 0v-5v control loop on LV option only		
LED Lifespan	50,000 hours		

*Crush depth is based on one sample only.

**True amount of light leaving the fixture, as measured with a calibrated integrating sphere. (calibration traceable to NIST)

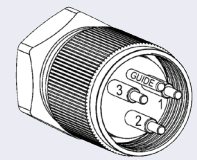
***Dominant wavelength of monochromatic light.

****Beam angle measured to full width half power.



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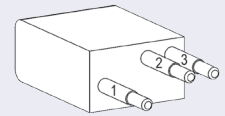


BH3MP

(1=Hot, 2=Neutral, 3=Ground to shell)

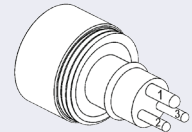
BH5MP

Used in LV dimming option only
(1=Pos, 2=Neg, 3=Ground to shell,
4=Not used, 5=Pos 0-5vdc control)
(Note: 0-5vdc control ground to pin 2)



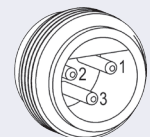
LPBH3MP

(1=Hot, 2=Neutral, 3=Ground to shell)



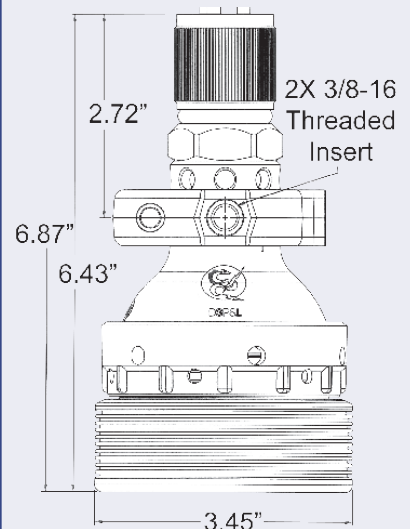
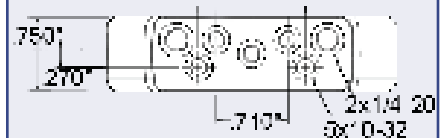
XSG3BCL

(1=Ground to shell, 2=Neutral, 3=Hot)



1503

(1=Hot, 2=Neutral, 3=Ground to shell)



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