

DEESEA
Power & Light®



Sealite® Sphere

3000, 5000, 5000HV, 6000

Highest Lumen per Weight and Lumen per Watt value in our LED Lineup.



Patents Pending

FEATURES

Easy Direct Replacement of a Halogen Light

6000 m (Standard) and 11000 m (Optional) Depth Rated

Available in Different Colors and Color Temperatures

Virtually Zero Maintenance

Constant Current Drivers for Flicker-Free Operation

Operates In or Out of Water

Fully Dimmable

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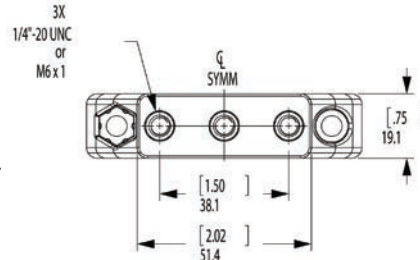
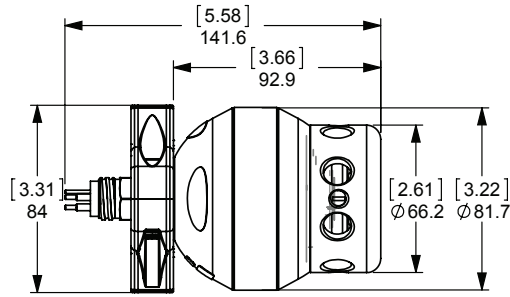
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Sealite® Sphere 3000, 5000, 5000HV, 6000

[inch]
mm



MCBH3MP
(High Voltage AC/DC)
1 = Hot (DC +)
2 = Neutral (DC -)
3 = Chassis



MCBH5MP
(Low Voltage DC)
1 = Positive
2 = Negative
3 = Chassis
4 = Not Used
5 = 0-5 V DC Control
(0-5Vdc Control ground to Pin 2)

*Other connectors and pin-out options are available upon request.

	SLS-3000	SLS-5000	SLS-6000	SLS-5000 HV
Electrical Specifications				
Input*	10-36V DC 1.7A @ 24V DC 41 W	20-36V DC 3.3A @ 24V DC 80W	110-140V AC 120-150V DC 1.5A @ 120V AC Nominal (140V AC Max), 150W Max 1.0A @ 135V DC Nominal (150V DC Max), 150W Max	215 - 275V AC 275 - 375V DC 0.62A @ 220V AC Nominal (275V AC Max), 130W Max 0.32A @ 280V DC Nominal (375V DC Max), 130W Max
Dimming	0-5V Control Loop (Standard) Variable Voltage (Optional)		AC Phase Control Dimmer & Variable Voltage (Variac)	
Optical Specifications				
Lumens in Water (Flood Lights)	3000 Lumens typical	5000 Lumens typical	6000 Lumens typical	5000 Lumens typical
True Lumens/Watt	73 lm/w	62.5 lm/w	40 lm/w	35 lm/w
True Lumens/Weight in Water	13.6 lm/g	22.7 lm/g	21.4 lm/g	17.9 lm/g
Color	White 6K mix; other color options available			
Color Temp	Standard: 6000K (White 6K) Optional: 9000K (White LED's)			
Beam Pattern in Water (FWHP)	Flood: 75°/Medium: 38°			
Color Rendering Index (CRI)	77 (Standard White LED's)			
Mechanical Specifications				
Body Material	Hard Anodized 6013-T8 Aluminum (Standard) Beryllium Copper (Optional)			
Window Material	Sapphire			
Mounts	High Strength Mounting Collar with Titanium inserts (1/4"-20 or 6mm Thread Sizes)			
Weight in Air	654g (1.44 lbs) for standard Al housing		710g (1.56 lbs) for standard Al housing	
Weight in Salt Water	220g (0.49 lbs) for standard Al housing		280g (0.62 lbs) for standard Al housing	
Impodible Volume	160 cm ³ (9.76 in ³)		125 cm ³ (7.63 in ³)	
Environmental Specifications				
Depth Rating	6,000m (20,000ft)			
Test Pressure	8,700 psi			
Crush Depth	8,964 m (29,578 ft)			
Operation Temp	-10°C - 40°C (14°F - 104°F)			

*DeepSea Power and Light offers a Universal SeaLite Sphere option with an input range of 90-250 VAC (50/60Hz) and 80-350 VDC. Please contact DeepSea for additional details.