

DEESEA
Power & Light®



SeaLite® Sphere

3100, 5100, 5500, 6100



Patents Pending

FEATURES

Easy Direct Replacement of a Halogen Light

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

Field-Serviceable Connector

Wider Range of Smooth Flicker-Free Dimming

**Improved Mounting Bracket with Titanium Inserts
Available in both Metric & Imperial Threads**

Operates In or Out of Water

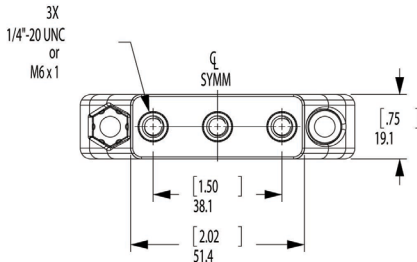
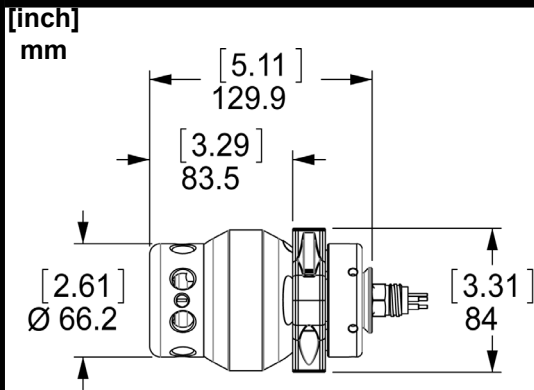
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SeaLite® Sphere 3100, 5100, 5500, 6100



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
(0-5V DC Control ground to Pin 2)

*Other connector options are available upon request.

	SLS-3100	SLS-5100	SLS-6100	SLS-5500
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Electrical Specifications				
Input*	10-36V DC 1.7A @ 24V DC 41 W	20-36V DC 3.3A @ 24V DC 80W	110-140VAC 120-150VDC 1.6A @ 120VAC typical 1.1A @ 135VDC typical	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 (Variat)	

Optical Specifications				
Lumens in Water (Flood Lights)	3700 Lumens typical	6200 Lumens typical	7500 Lumens typical	5000 Lumens typical
True Lumens/Watt	90 lm/w	77 lm/w	50 lm/w	35 lm/w
True Lumens/Weight in Water	16 lm/g	27 lm/g	24 lm/g	16 lm/g
Color	Day Light White (Other options available)			
Color Temp	Standard: 5000K - 6500K			
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	675 g (1.49 lbs) for standard AI housing		796g (1.75 lbs.) for standard AI housing	
Weight in Water	227g (0.50 lbs) for standard AI housing		314g (0.69 lbs.) for standard AI housing	
Impodable Volume	TBD	TBD	TBD	TBD

Environmental Specifications				
Depth Rating	Standard: 6,000m (20,000ft) Optional: 11,000m (36,090ft)			
Pressure Rating	10,000 psi			
Crush Depth	8,964m (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.