

SeaLite® Sphere

3150, 5150, 6150



Patents Pending

FEATURES

Up to 11000 Lumens with 85 Degree Flood Beam

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

Field-Serviceable Connector Volume

Capable of Operating in Water or Air

Intelligent Flicker-Free Dimming

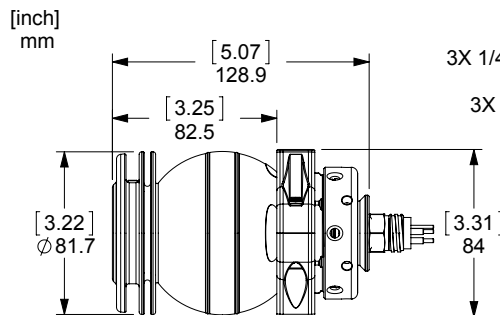
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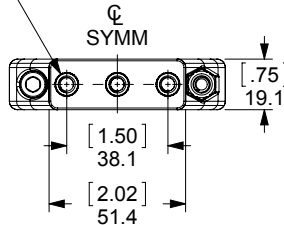
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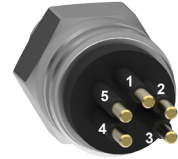
SeaLite® Sphere 3150, 5150, 6150



3X 1/4-20 UNC
OR
3X M6 x 1



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



MCBH5MP
(Low Voltage DC)
1 = DC+
2 = DC-
3 = Chassis
4 = Not Used
5 = 0-5 V DC Control
(0-5V DC Control referenced to Pin 2)

**Other connector options
are available upon request.*

SLS-3150

SLS-5150

SLS-6150

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
Dimming	0-5V Control Loop (Standard) Variable Voltage (Optional)		AC Phase Control Dimmer & Variable Voltage (Variac)

Optical Specifications

Lumens in Water (Flood Lights)	5000 Lumens typical	9000 Lumens typical	11000 Lumens typical
True Lumens/Watt	122 lm/w	112 lm/w	73 lm/w
True Lumens/Weight in Water	20 lm/g	36 lm/g	33 lm/g
Color	Day Light White (Other options available)		
Color Temp	Standard: 5000K - 6500K (Other options available)		
Beam Pattern in Water (FWHP)	Flood: 85°		
Color Rendering Index (CRI)	68 (Standard White LED's)		

Mechanical Specifications

Body Material	Hard Anodized 6013-T8 Aluminum (Standard) Titanium 6Al4V (Optional)	
Window Material	Sapphire	
Mounts	High Strength Mounting Collar with Titanium inserts (1/4"-20 or 6mm Thread Sizes)	
Weight in Air	714 g [1.57 lbs] for standard Al housing	835g [1.84 lbs] for standard Al housing
Weight in Water	248g [0.55 lbs] for standard Al housing	335g [0.74 lbs] for standard Al housing
Impodable Volume	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] (Aluminum)		
Operation Temp	-10°C - 40°C [14°F - 104° F]		