

# SeaLite® Sphere

**3150, 5150, 6150, 6550**



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**

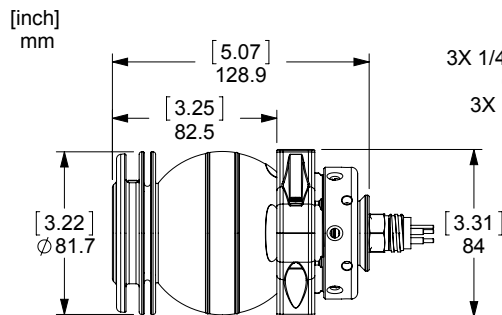
T: (858) 576-1261  
F: (858) 576-0219

4033 Ruffin Road  
San Diego, CA  
92123- 1817 USA

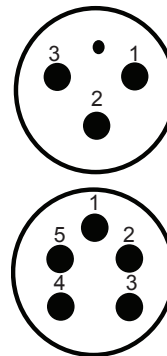
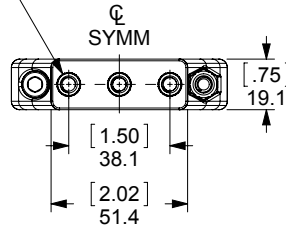
[www.deepsea.com](http://www.deepsea.com)  
[sales@deepsea.com](mailto:sales@deepsea.com)



# SeaLite® Sphere 3150, 5150, 6150, 6550



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                                                                  | SLS-6550                                              |
|-----------------------------------|--------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------|
| Electrical Specifications         |                                                                                      |                                    |                                                                           |                                                       |
| Input                             | 10~36V DC<br>1.7A@ 24V DC<br>41 W                                                    | 20~36V DC<br>3.3A @ 24V DC<br>80 W | 110~140VAC<br>120~150VDC<br>1.6A @ 120VAC typical<br>1.1A @135VDC typical | 90~250 VAC (50/60Hz)<br>80~350 VDC<br>90 W            |
| Dimming                           | 0~5V Control Loop (Standard)<br>Variable Voltage (Optional)                          |                                    | AC Phase Control<br>Dimmer & Variable<br>Voltage (Variac)                 | AC Phase Control<br>No Dimming while running<br>on DC |
| Optical Specifications            |                                                                                      |                                    |                                                                           |                                                       |
| Lumens in Water<br>(Flood Lights) | 5,000 Lumens typical                                                                 | 9,000 Lumens typical               | 11,000 Lumens typical                                                     | 8,700 Lumens typical                                  |
| True Lumens/Watt                  | 122 lm/w                                                                             | 112 lm/w                           | 73 lm/w                                                                   | 96 lm/w                                               |
| True Lumens/<br>Weight in Water   | 20 lm/g                                                                              | 36 lm/g                            | 33 lm/g                                                                   | 11 lm/g                                               |
| Color                             | Day Light White (Other options available)                                            |                                    |                                                                           |                                                       |
| Color Temp                        | Standard: 5000K ~ 6500K<br>(Other options available)                                 |                                    |                                                                           |                                                       |
| Beam Pattern in<br>Water (FWHP)   | Flood: 85°                                                                           |                                    |                                                                           |                                                       |
| Color Rendering<br>Index (CRI)    | 68 (Standard White LED's)                                                            |                                    |                                                                           |                                                       |
| Mechanical Specifications         |                                                                                      |                                    |                                                                           |                                                       |
| Body Material                     | Hard Anodized 6013 Aluminum (Standard)<br>Titanium 6Al4V (Optional)                  |                                    |                                                                           | Titanium 6Al4V                                        |
| Window Material                   | Sapphire                                                                             |                                    |                                                                           |                                                       |
| Mounts                            | High Strength Mounting Collar with Titanium inserts<br>(1/4"-20 or 6mm Thread Sizes) |                                    |                                                                           |                                                       |
| Weight in Air                     | 714 g [1.57 lbs] for standard Al housing                                             |                                    | 835 g [1.84 lbs] for<br>standard Al housing                               | 1195 g without bracket                                |
| Weight in Water                   | 248 g [0.55 lbs] for standard Al housing                                             |                                    | 335 g [0.74 lbs] for<br>standard Al housing                               | 793 g without bracket                                 |
| Environmental Specifications      |                                                                                      |                                    |                                                                           |                                                       |
| Depth Rating                      | Standard: 6,000 m [20,000 ft]<br>Optional: 11,000 m [36,090 ft]                      |                                    |                                                                           | 11,000 m [36,090 ft]                                  |
| Pressure Rating                   | 10,000 psi                                                                           |                                    |                                                                           | 16,000 psi                                            |
| Operation Temp                    | -10° C ~ 40° C [14° F ~ 104° F]                                                      |                                    |                                                                           |                                                       |