LED SeaLite®

Patents Pending

FEATURES

Wide, Flood, Spot, or Switchable Dual Beam Configurations

Up to 10,000 Lumens

4,000 m, 6,000 m, and 11,000 m Depth Rated Options

Flicker-Free Digital and Analog Dimming Interfaces

Customer Serviceable

SeaSense™ Protocol

LED SeaLite®

	LSL-1000	LSL-2000	LSL-2025
Optical Specifications			
Typical Lumen Output (Flood)	10,000		
Efficacy	63 lm/w[1]	94 lm/w[1]	See www.deepsea.com/multiray for sample configuration specifications.
Lux at 1 m	Wide[2]: 2,300 lx Flood: 5,600 lx Spot: 14,000 lx		
Color	Day Light White 5000 K ~ 6500 K Warm White 2600 K ~ 3700 K Contact Sales for Color Options		
CRI	Day Light White: 70 Warm White: 80		
Beam Angle (HPFW)	Wide[2]: 115° Flood: 75° Spot: 35°		Wide[2]: 115° Flood: 75° Spot: 40°
Environmental Specifications			
Depth Rating	4,000 m Acrylic Port 6,000 m or 11,000 m Sapphire Port		
Thermal Protection	Intelligent Thermal Rollback		
Operational Temperature	-10°C to 40°C [14°F to 104°F][3]		
Storage Temperature	-40°C to 100°C [-40°F to 212°F]		
Electrical Specifications			
Voltage	90~140 VAC 50/60 Hz 110~160 VDC	10~48 VDC[1]	
Power	160W @ 120 VAC 60 Hz	106W @ 24 VDC	
Dimming	RS232[4], RS485[4], Phase/Triac	RS232[4], RS485[4], 0~5V, 0~10V, 4~20mA	
Mechanical Specifications			
Housing	Hard Anodized 6013 Aluminum Titanium		
Port	Standard: Sapphire Optional: Acrylic		
Outer Diameter	63.0 mm [2.48 in]		
Overall Length (Without Connector)	Acrylic Flood/Wide: 95.9 mm [3.77 in] Sapphire Flood: 93.3 mm [3.67 in] Acrylic/Sapphire Spot: 99.6 mm [3.92 in]		
Weight in Air[5]	Sapphire Flood: 490 g Sapphire Spot: 510 g	Sapphire Flood: 450 g Sapphire Spot: 470 g	
Weight in Water[5]	Sapphire Flood: 240 g Sapphire Spot: 260 g	Sapphire Flood: 200 g Sapphire Spot: 220 g	
Connector[6]			
Default	SEACON MCBHMP SS Please contact sales for more options.		

[1] 100% output available above 20 VDC. 50% output from 10~20 VDC due to input current limits.
[2] Wide beam angle only available on Acrylic port 4,000 m depth rating.
[3] For 120 VAC versions, thermal rollback may reduce light output in water temperatures exceeding 25° C [77° F]. See Manual for additional information.
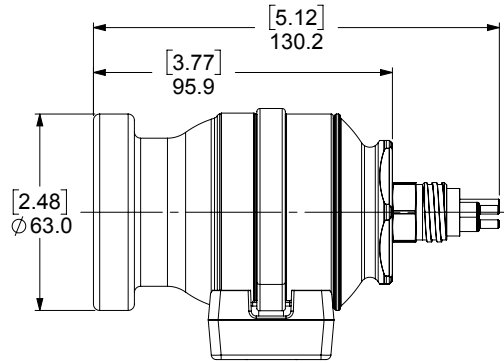[4] For RS232 and RS485, see Manual.
[5] Nominal values are measured with MCBHMP connector and aluminum housing.
[6] Ensure that ampacity ratings for interconnect system are suitable for your operating conditions. See Manual for more information.
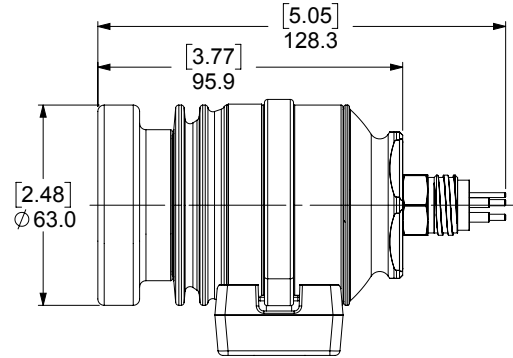
DEEPSEA Power & Light®

LED SeaLite®

Dimensions

Flood Beam Acrylic Port

FLOOD/WIDE ACRYLIC ALUMINUM

mm [inch]

[5.12] 130.2
[3.77] 95.9
[2.48] Ø 63.0

FLOOD/WIDE ACRYLIC TITANIUM

mm [inch]

[5.05] 128.3
[3.77] 95.9
[2.48] Ø 63.0

Flood Beam Sapphire Port
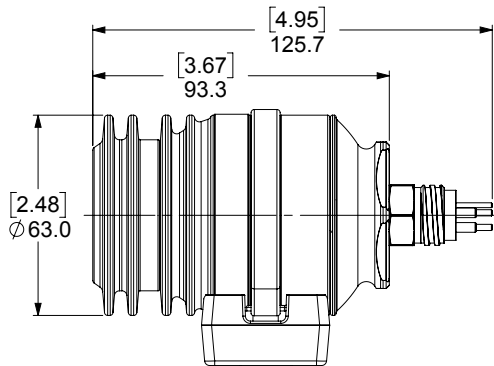
FLOOD SAPPHIRE

mm [inch]

[4.95] 125.7
[3.67] 93.3
[2.48] Ø 63.0

Spot Beam
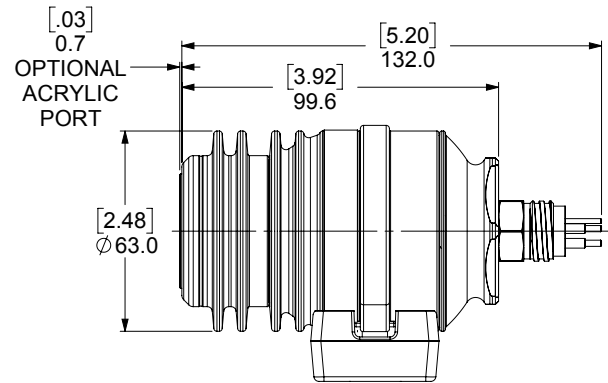
SPOT ACRYLIC/SAPPHIRE

mm [inch]

[.03] 0.7 OPTIONAL ACRYLIC PORT
[5.20] 132.0
[3.92] 99.6
[2.48] Ø 63.0

Bracket

SADDLE BRACKET

[3.10] 78.7
[2.48] Ø 63.0
[1.35] 34.2
[1.59] 40.3
[1.00] 25.4
[1.00] 25.4
[1.69] 42.9
4X 1/4-20 OR 4X M6X1.0

COLLAR BRACKET

[2.48] Ø 63.0
[3.31] 84.0
[3.01] 76.5
[2.02] 51.4 MOUNT SURFACE
6X 1/4-20 OR 6X M6X1.0
[.75] 19.1
[1.50] 38.1
[3.20] 81.3

mm [inch]

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