



LED SeaLite®



UP TO 10,000
LUMENS



BEAM ANGLE
OPTIONS



COLOR
OPTIONS



FLICKER
FREE



INTELLIGENT THERMAL
MANAGEMENT



PHASE
DIMMING

Our Flagship Lighting Product

A robust industry workhorse configurable for any application

The LED SeaLite meets the demands for the market challenges of today. This subsea light emits up to 10,000 lumens and is available in multiple LED, beam pattern, input voltage, and depth configurations. The standard sapphire port has a 6,000 m or 11,000 m depth rating and the optional acrylic port has a 4,000 m depth rating. The LED SeaLite includes a mounting bracket with titanium inserts.

The LSL-1000 and LSL-2000 models have a wide range of accepted voltage inputs as well as a low inrush current. Both digital and analog dimming interfaces support flicker-free dimming. This light comes standard with intelligent thermal protections that always put out the maximum light for the current operating temperature.

The LSL-2025 adds Multiray® technology to incorporate two sets of LED sources in a single fixture.

Monochromatic LED options and a range of white temperatures are available. Contact us to discuss your specific lighting needs.

Specifications subject to change without notice



For further information, email
sales@deepsea.com



Specifications

LSL-	1000	2000	2025 Multiray	2075 SeaStrobe ¹
Optical Specifications				
Typical Lumen Output (Flood)	10,000		Contact Sales for sample configuration specifications	10,000
Efficacy	63 lm/w ²	94 lm/w ²		100 lm/w
Lux at 1 m	Wide ³ : 2,300 lx Flood: 5,600 lx Spot: 14,000 lx			TBD
Color	Daylight White 5000 K ~ 6500 K Warm White 2600 K ~ 3700 K			Daylight White 5000 K ~ 6500 K Warm White 2600 K ~ 3700 K
CRI	Daylight White: 70 Warm White: 80			Daylight White: 70 Warm White: 80
Beam Angle (HPFW)	Wide ³ : 115° Flood: 75° Spot: 35°		Wide ³ : 115° Flood: 75° Spot: 40°	Wide ³ : 115° Flood: 75° Spot: 35°
Environmental Specifications				
LSL-	1000	2000	2025 Multiray	2075 SeaStrobe
Max Depth	4,000 m Acrylic Port 6,000 m or 11,000 m Sapphire Port			
Thermal Protection	Intelligent Thermal Rollback			
Operating Temp	-10°C to 40°C [14°F to 104°F] ⁴			
Storage Temp	-40°C to 100°C [-40°F to 212°F			
Mechanical Specifications				
LSL-	1000	2000	2025 Multiray	2075 SeaStrobe
Housing	Hard Anodized 6013 Aluminum, Titanium			
Port	Standard: Sapphire, Optional: Acrylic			
Outer Diameter	63.0 mm [2.48 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		
Electrical Specifications				
Voltage	90~140 VAC 50/60 Hz 110~160 VD	10~48 VDC ²		
Power	160W @ 120 VAC 60 Hz	106W @ 24 VDC		
Dimming	RS232 ⁶ , RS485 ⁶ , Phase/Triac	RS232 ⁶ RS485 ⁶ , 0~5V, 0~10V, 4~20mA		RS232 ⁶ , RS485 ⁶ , Pulse Sync
Standard Connector ⁷	SubConn MCBH3M SS (Phase/Triac), MCBH6 SS (RS232/RS485)	SubConn MCBH5M SS		SubConn MCBH6 SS

¹ Min pulse width: 1.3 ms | Max pulse width: ∞ | Min pulse period: 250 ms | Max pulse period: ∞

² 100% output available above 20 VDC. 50% output from 10~20 VDC due to input current limits.

³ Wide beam angle only available on Acrylic port 4,000 m depth rating.

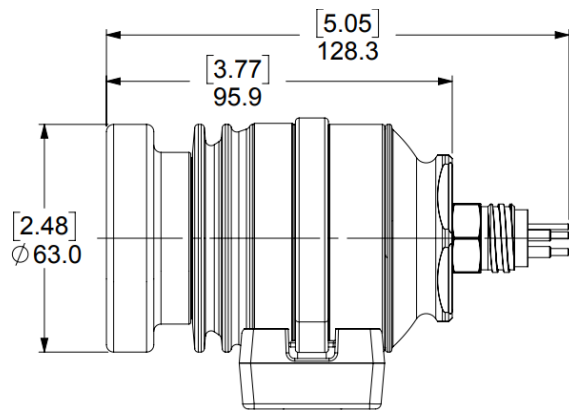
⁴ For 120 VAC versions, thermal rollback may reduce light output in water temperatures exceeding 25° C [77° F]. See Operator's Manual for additional information.

⁵ Nominal values are measured with MCBHMP connector and aluminum housing.

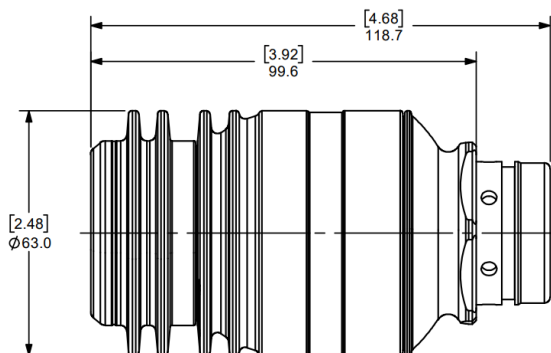
⁶ For RS232 and RS485, see Operator's Manual.

⁷ Ensure that ampacity ratings for interconnect system are suitable for your operating conditions. See Manual for more information.

Flood/Wide Acrylic Titanium



Spot Beam Acrylic/Sapphire Port



Brackets

