



LED SeaLite[®]



Patents Pending

FEATURES

Wide, Flood, Spot, or Switchable Dual Beam Configurations

Up to 9,000 Lumens

Switchable Dual Color Output Available

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

Flicker-Free Digital and Analog Dimming Interfaces

Customer Serviceable

SeaSense[™] Protocol

Two-Year Warranty

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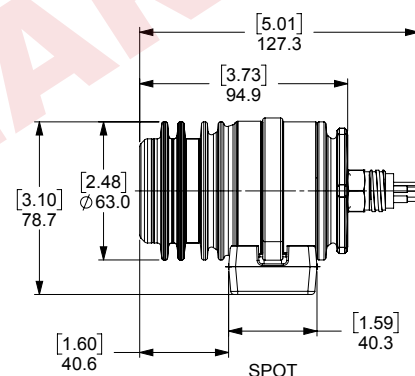
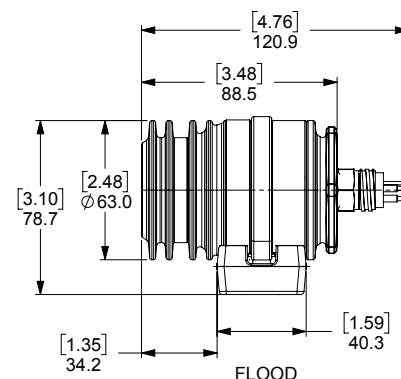
www.deepsea.com
sales@deepsea.com



LED SeaLite®

	LSL-1000	LSL-2000
Optical Specifications		
Typical Lumen Output (Flood)	9,000	
Efficacy	56 lm/w ¹	85 lm/w ¹
Lux	Wide ² : 2,300 lx Flood: 5,600 lx Spot: 14,000 lx	Wide ² : 2,300 lx Flood: 5,600 lx Spot: 14,000 lx Spot/Flood Dual Beam: 9,400 lx
Color	Day Light White 5000 K ~ 6500 K Warm White 2600 K ~ 3700 K Contact Sales for Color Options	Day Light White 5000 K ~ 6500 K Warm White 2600 K ~ 3700 K Selectable Dual Colors 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: 35° Spot/Flood Dual Beam: 40°/ 50°/ 75°
Environmental Specifications		
Depth Rating	6,000 m or 11,000 m Sapphire Port 4,000 m Acrylic Port	
Thermal Protection	Intelligent Thermal Rollback	
Operational Temperature	-10°C ~ 40°C [14°F ~ 104°F] ³	
Storage Temperature	-40°C ~ 100°C [-40°F ~ 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)	Flood: 88.5 mm [3.48] Spot: 94.9 mm [3.73 in]	
Weight in Air ⁵	Flood: 490 g Spot: 510 g	Flood: 450 g Spot: 470 g
Weight in Water ⁵	Flood: 240 g Spot: 260 g	Flood: 200 g Spot: 220 g
Connector ⁶		
Default	SEACON MCBHMP 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 3,000 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, aluminum housing, and sapphire port configuration.
⁶ Ensure that ampacity ratings for interconnect system are suitable for your operating conditions. See Manual for more information.



mm [inch]

