



LED Lighting

OCEANLIGHT LED “WIDE FLOOD”

4,000 METERS

35,000 HOURS

200 WATT ARRAY



Deep Sea Systems' underwater Oceanlight LED Lighting system is unsurpassed in the industry for performance and reliability. A standard 200 watt array contains forty 5 watt light emitting diodes and is rated to 4000 meters. It has an output of more than 6200 lux @ 1 meter in water.

The heavy duty and rugged design limits shock and vibration. There is variable intensity with no color shift and the light requires zero maintenance.

An Oceanlight LED array can be custom designed and built for applications of any size. Currently, an 1800 watt array is in production but the size of an Oceanlight LED array can be virtually unlimited.

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LED TECHNICAL SPECIFICATIONS

Lamp type	An array of forty 5 watt ultra high intensity white LEDs mounted on a thermal heat pump
Color temperature	5,500 K bright white (blue white)
Array life	35,000 hours at full intensity with only a 30% reduction of output lumens
Protection	Over-temperature self re-setting shutoff over-voltage surge arrestor with safety fuse
Flicker filter	Tuned RC network
Light output	6200 lux @ 1 meters in water
Beam angle	Wide Flood @ 100° x 80°
Volts	0 to 120 volts AC 100 to 160 VDC
Amperes	1.7 AC amps. @ 120 Vac 60hz 1.9 AC amps. @ 120 Vac 50hz
Power consumption	200 watts rms @ 60 hz
Depth rating	4,000 meters (13,300 ft.)
Operating temperature	-15° C to 35° C (14 F to 95 F)
Weight	In water: 0.95 kg (2.1 lbs) In air: 1.9 kg (4.1 lbs)
Size	H 6.5" W 2.5" D 2.8"
Connector	MSAJ-3 BCR with adjustable connector block
Mounting	3 each ¼-20 tapped holes with 2.0" center

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