

MVSB II

MINIATURE UNDERWATER LIGHT



Interchangeable reflectors provide multiple beam settings

Optional non-browning window for radioactive environments

50W - 250W halogen lamp options



A miniature, versatile spot light for shallow water and nuclear viewing applications.

The MVSB II is a versatile underwater light that provides a color balanced, wide flood beam pattern. With a depth rating of 300 meters, this light is ideal for use in nuclear reactors, spent fuel pools, and shallow water applications.

The MVSB II is highly customizable with a wide array of component options including housing materials, front window, bulbs, and connectors to meet any specific lighting requirement. Another innovative feature is its interchangeable reflectors. The light's standard reflector provides a wide flood beam. By installing one of the two interchangeable reflectors, the light can be easily adapted to provide a medium or narrow spot beam.

It utilizes the signature ROS connector/socket assembly and is available with numerous connector options. Inside the light assembly is a unique spring-loaded socket that fits standard light bulbs with minican screw-in bases. Bulbs can be changed in a matter of seconds by simply removing the connector assembly.

This light complements any ROS underwater camera and positioner to constitute a turn-key inspection system.

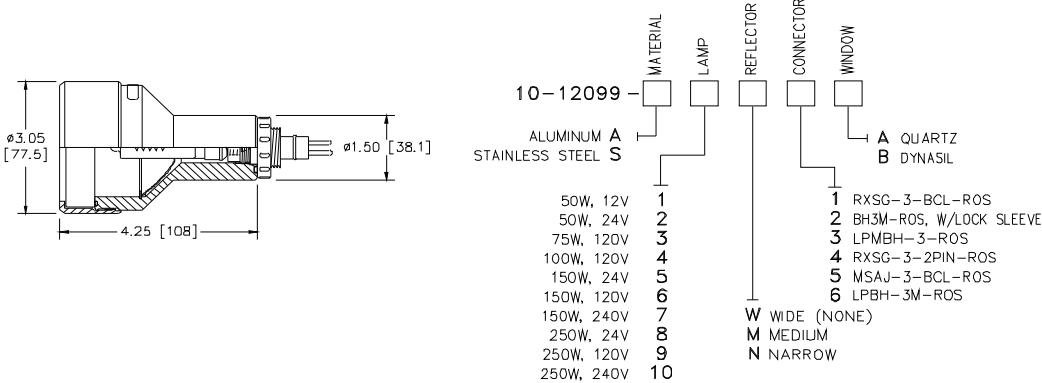
ROS has been manufacturing an array of harsh environment cameras, lights, positioners, and specialized systems designed for oceanographic, nuclear, industrial, and military applications for over 30 years

MVSB II - Miniature Underwater Light

SPECIFICATIONS

Housing Material:	Anodized 6061-T6 Aluminum or Electropolished 316 Stainless Steel	
Length:	108 mm (4.25 in) without connector	
Diameter:	77.5 mm (3.05 in) front end 38.1 mm (1.5 in) body	
Window/Lens:	Quartz or Dynasil non-browning	
Lamp type:	Screw-in tungsten halogen	
Weight in Air:	Aluminum	0.57 kg (1.26 lbs)
	Stainless Steel	1.21 kg (2.67 lbs)
Weight in Water:	Aluminum	0.24 kg (0.54 lbs)
	Stainless Steel	0.88 kg (1.95 lbs)
Operating Depth:	300 m (1,000 ft)	
Mounts:	ROS LB-2 mounting bracket optional	

Select from the list of options below and fill in the model sequence number



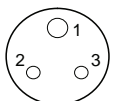
REPLACEMENT LAMPS

Part Number	Watts	Volts	Avg. Hours (mfg rating)	Color Temp (K)	Lumens
10-05186-01	50	12 potted	2000	2900	900
10-05027-01	50	24 potted	1000	3000	990
10-05000-4	75	120	1000	2850	1200
10-05010-4	100	120	750	2850	1800
10-05030-01	150	24 potted	100	3300	4200
10-05020-4	150	120	1000	2900	2800
10-05225-4	150	240	1300	2800	2100
10-05110-01	250	24 potted	50	3400	8500
10-05040-4	250	120	2000	3000	4800
10-05220-4	250	240	2000	2900	4500

REFLECTOR

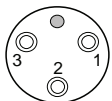
Wide	50 degrees conical (no reflector installed)
Medium	17 degrees conical
Narrow	9 degrees conical

CONNECTOR OPTIONS



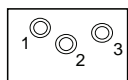
RXSG-3-BCL-ROS
(p/n: 60-04130-4)

1 = Ground
2 = Power (Return)
3 = Power



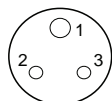
BH3M-ROS
(p/n: 60-04100-4)

1 = Ground
2 = Power (Return)
3 = Power



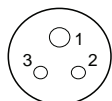
LPMBH-3-ROS
(p/n: 60-04105-4)

1 = Ground
2 = Power (Return)
3 = Power



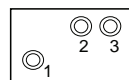
RXSG-3-2PIN-ROS
(p/n: 60-04146-4)

1 = Ground
2 = Power (Return)
3 = Power



MSAJ-3-BCL-ROS
(p/n: 60-04131-4)

1 = Ground
2 = Power (Return)
3 = Power



LPBH-3M-ROS
(p/n: 60-04129-4)

1 = Ground
2 = Power (Return)
3 = Power



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