

# MV-4000 UNDERWATER SPOTLIGHT



**Interchangeable reflectors  
provide multiple beam settings**

**4,000 meter depth rating  
for deep-water applications**

**50W – 500W halogen lamp options**



***The definitive spot light for deep-sea lighting down to 4,000 meters.***

The MV-4000's innovative design provides end-users with numerous options. This light is ideal for deepwater applications, such as offshore drilling inspection and ROV illumination.

The MV-4000 is highly customizable with a wide array of component options including housing materials, 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.

Integral to the MV-4000 housing is one set of U.S. tapped 1/4-20 mounting holes and one set of metric tapped M6 mounting holes enabling the light to be easily mounted to any platform or piece of equipment without additional bracketry.

The MV-4000 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.

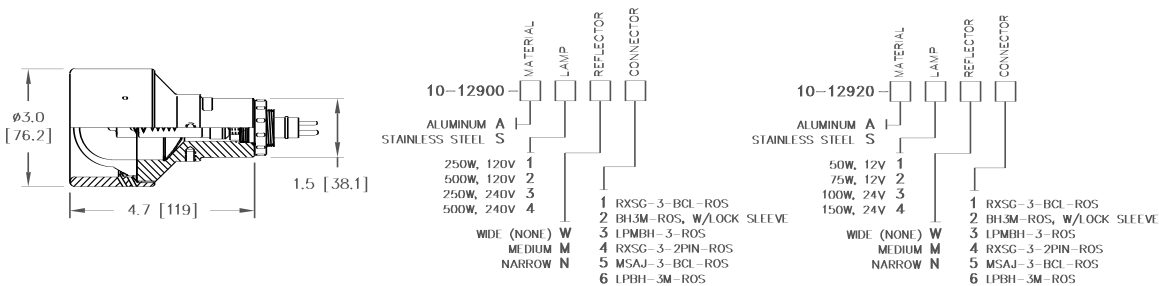
*ROS has been manufacturing an array of harsh environment cameras, lights, positioners, and specialized systems designed for oceanographic, nuclear, industrial, and military applications for over 30 years.*

# MV4000 - Underwater Spotlight

## SPECIFICATIONS

Housing Material:	Anodized 6061-T6 Aluminum or Electropolished 316 Stainless Steel	
Length:	119 mm (4.7 in) without connector	
Diameter:	76.2 mm (3.0 in) front end	38.1 mm (1.5 in) body
Window/Lens:	Pyrex	
Lamp type:	Screw-in tungsten halogen	
Weight in Air:	Aluminum	0.58 kg (1.28 lbs)
	Stainless Steel	1.45 kg (3.19 lbs)
Weight in Water:	Aluminum	0.22 kg (0.49 lbs)
	Stainless Steel	1.09 kg (2.40 lbs)
Operating Depth:	4,000 m (13,125 ft)	
Mounts:	Two 1/4-20 opposing and two M6 opposing tapped holes in body ROS LB-2 mounting bracket optional	

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



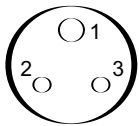
## REPLACEMENT LAMPS

Part Number	Watts	Volts	Avg. Hours (mfg rating)	Color Temp (K)	Lumens
10-05040-4	250	120	2000	3000	4800
10-05060-4	500	120	2000	3000	10000
10-05220-4	250	240	2000	2900	4500
10-05210-4	500	240	2000	2950	9500
10-05186-01	50	12 potted	2000	2900	900
10-05195-01	75	12 potted	2000	3000	1600
10-05029-01	100	24 potted	2000	3000	1800
10-05030-01	150	24 potted	100	3300	4200

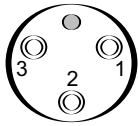
## REFLECTORS

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

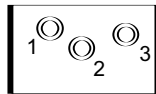
## CONNECTOR OPTIONS



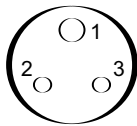
RXSG-3-BCL-ROS  
(p/n: 60-04130-4)  
1 = Ground  
2 = Power (Return)  
3 = Power



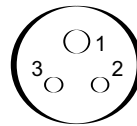
BH3M-ROS  
(p/n: 60-04100-4)  
1 = Ground  
2 = Power (Return)  
3 = Power



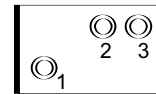
LPMBH-3-ROS  
(p/n: 60-04105-4)  
1 = Ground  
2 = Power (Return)  
3 = Power



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

Specifications subject to change without notice 6/05



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