

BIRNS SNOOPER

RUGGED DEEP SEA LIGHT

Tough, brilliant, versatile, dependable and durable.

This is the Birns Snooper, an underwater luminaire that has gained an international reputation for being the best there is.

Tough. That's what you call a tempered body that withstands the bashes from ROV's swinging into support ships. A bulletproof lens that supports the weight of a M74 tank. A unique bulkhead connector armoured with hard-anodized aluminium and high-impact Delrin.

Brilliant. A 1000 watt tungsten-halogen lamp in the focal point of a parabolic aluminized internal reflector creates an intense light-beam that cuts through the murk.

Versatile.

The **Snooper** can be a diving-bell light, a ROV light, a camera light, a diver's light. The **Snooper** can be yoke-mounted (2 styles are available) or hand held. Four different lenses, in 2 thicknesses, are available for different applications,

and the **Snooper** can accept different reflectors and different lamps from 12 volts to 240 volts, and from 25 watts to 1000 watts.

Dependable. Our reputation rests on the fact that our lights do not fail in the field. After assembly by trained personnel, the **Snooper** is subjected to a barrage of tests. Housing dielectricity to 500 volts. Arc resistance to 3000 volts. Hydrostatic pressure testing to 2000 PSI. 'Spot' or 'random' checking has no place at **Birns**; only 100% strict quality control is acceptable.

Durable. The high quality of the **Snooper** becomes especially apparent over time. We cast the **Snooper** out of only the finest purified aluminium, electro-chemically treat the housing 3 separate times to ensure complete corrosion resistance and dielectricity, and enamel paint it with 2 coats. We use only the best materials for the **Snooper's** assembly. Teflon. Silver. Stainless steel. Gold. This extends the **Snooper's** working life. You can buy a cheaper light than the **Snooper**, but you cannot buy a more cost-effective light.

For underwater lights that make all others obsolete, come to the Lighting Experts - **Birns**.



Pan and tilt adjustable yoke.

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TECHNICAL SPECIFICATIONS

MATERIALS

Housing	Cast Aluminium
Lens	Tempered Borosilicate glass
Reflector	Anodised spun aluminium
Paint	Alkyd enamel
Electrical contacts	Gold-plated copper
Cable	Multistrand copper SO neoprene-jacketed
Locking Sleeve	Delrin

PHYSICAL

Height (with yoke)	9.5"(241mm)
(with handle)	9.6"(244mm)
Width (with yoke)	7"(178mm)
(without yoke)	6.5"(165mm)
Weight in air	
(with yoke)	8lbs(3.6kg)
(with handle)	7lbs(3.2kg)
Weight in fresh water	
(with yoke)	3.25lbs(1.5kg)
(with handle)	1.75lbs(0.8kg)
Length	9.25"(235mm)

DEPTH RATING	3000 metres (10,000 feet)
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ELECTRICAL

Voltages	120 or 240, AC or DC
Wattage	300, 400, 600, 800, 1000 watts
Internal Wiring	Colour-coded Teflon-coated single strand high temperature wire
Housing Dielectricity	500 volts
Connector Arc-resistance	500 volts
Cable Current Rating	15 amps
Cable Voltage Rating	600 volts

LIGHTING

Colour Temperature	3200K, 3250K, 3400K, 5000K
Lenses	clear, frosted (diffusion), blue (dichroic), blue-frosted
Beam Angle	Clear 35°, frosted 45°



Model 5567
Model 5564

Yoke-mounted
With handgrip
Handgrip model with
yoke installed for optimum
versatility also available

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