



Submarine Manufacturing & Products Limited

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Blackpool Road, Newton, Preston, Lancashire, United Kingdom PR4 3RE

PRODUCT DATASHEET

BIRNS Snooperette



THIS PRODUCT HAS THE FOLLOWING OPTIONS:

No product options are available.

OVERVIEW

The BIRNS Snooperette, BIRNS Model 5672, is the ultimate low-voltage general-purpose underwater light – versatile and low profile (76mm) for a diverse suite of oceanographic uses.



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DESCRIPTION

The BIRNS Snooperette, a BIRNS Model 5672, is the ultimate low-voltage general-purpose underwater light – versatile and low profile (76mm) for a diverse suite of oceanographic uses. It's incredibly rugged and highly customizable, and can be helmet-mounted, hand-held or yoke-mounted. Its 5,000 lumen and concentrated 3200K white light is excellent for intense illumination, photography and video with a choice of lamps and lenses.

FEATURES

- 5,000 lumens
- Brilliant 3200K illumination with potent internal parabolic reflector and Tungsten-Halogen lamp in focal point
- Compact (76mm / 3"), mountable almost anywhere
- Fast, easy wire-free maintenance, 30 second tool-free relamping
- Voltage flexibility – 12, 24, 30 or 36 VAC or VDC
- Customizable with options including 8 lenses, 3 mounts, and 10 lamps

SPECIFICATION

PHYSICAL

- Length** - 10.2 cm (4.0 in.)
- Width** - 11.7 cm (4.6 in.) with yoke 7.6 cm (3.0 in.) without yoke
- Height** - 11.4 cm (4.5 in.) with yoke 7.6 cm (3.0 in.) without yoke
- Weight in Air** - 0.5 kg (1.1 lbs.) with yoke 0.45 kg (1.0 lbs.) without yoke
- Weight in Water** - 0.14 kg (5 oz) with yoke 0.11 kg (4 oz) without yoke

LIGHTING/PHOTOMETRIC

- Lamp Type** - Incandescent Tungsten-Halogen
- Time To Full Brightness** - <1 second after application of power
- Operating Position** - Universal (i.e. any position)
- Rated Average Lifetime** - 50 to 3,000 hours, depending on installed lamp
- Dimming Range** - 0-100%
- Light Output:** - Dependant on lamp
- Correlated Color Temp** - 2925K to 3450K, depending on installed lamp
- Beam Angle (to 50% output)** - 52° (clear lens) or 74° (frosted lens)

ENVIRONMENTAL

- Protection Level** - IP 68
- Depth Rating** - thin lens: 1800m (5,900 FSW) + 100% safety margin thick lens: 2461m (11,200 FSW) + 100% safety margin



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Expected Radiation Tolerance - 105 Gy (107 R)

ELECTRICAL

Input Voltage - 12 (default), 24, 30, or 36 VAC or VDC, depending on installed lamp

Supply Frequency - 60 or 50 Hz

Cable Size - 16 AWG type SO, 3 conductor (standard)

Cable Current Rating - 12 amperes maximum

Cable Voltage Rating - 600 volts maximum

Nominal Lamp Wattage - 100 Watts (default), 25 to 340 Watts (depending on installed lamp)

MATERIALS

All Housing Parts - 6061 Aluminum, hard black anodized

(Optional) Yoke Frame, Base, and Helmet Bracket - Stainless steel, electropolished

All Hardware - Stainless steel type 18-8

Lens - Tempered borosilicate glass

Seals - BUNA N (standard), other materials available

Connector - Glass-reinforced epoxy (GRE)

Connector Pins - Brass 360 per ASTM B16, gold-plated per MILG-45204

ORDER THIS PRODUCT

To order this product or to request a price contact our UK sales team on
+44 (0)1772 687775

Alternatively you can place a quote request through our website

<http://www.smp-ltd.co.uk> or send an email to sales@smp-ltd.co.uk