



Submarine Manufacturing & Products Limited

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

PRODUCT DATASHEET

BIRNS Sirius



THIS PRODUCT HAS THE FOLLOWING OPTIONS:

No product options are available.

OVERVIEW

The 16,000 lumen BIRNS Sirius, BIRNS model 4010, is a brilliant, 1Kw, heavy-duty, general-purpose floodlight which will operate in air, in the splash zone, and underwater to 150m. Proven in the field to withstand incredibly rugged environments and abuse, the BIRNS Sirius is trusted globally by military officials, oil platform engineers and hyperbaric



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welding professionals.

DESCRIPTION

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FEATURES

- 16,000 lumens
- Incredible 1kW brilliance
- Choice of 3 interchangeable beam angles – narrow spot to wide angle
- Amphibious usage
- Instant ON/OFF
- Ballast-free operation

SPECIFICATION

PHYSICAL- Sirius Luminaire

- Length - 360 mm (14 in)
- Diameter (maximum) - 334 mm (13 in)
- Height with yoke - 430 mm (17 in)
- Weight in air - 13.2 kg (29 lbs)

LIGHTING/PHOTOMETRIC

- Lamp type** - Tungsten-halogen PAR 64, prong base GX16D
- Bulb Designation** - PAR-64, 203 mm (8.0 inch) nominal diameter Max.
- Overall Length** - 15.3 cm (6 in)
- Filament type** - CC-6
- Start time** - <1 second to 95% of peak output
- Restart time** - <1 second to 95% of peak output on power reapplication after interruption of any duration
- Operating Position** - Universal (i.e. any position)
- Dimming range** - 0 to 100% Rated Average2



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ENVIRONMENTAL

Protection level - IP68

Depth rating - 150 M (500FSW)

ELECTRICAL

Input voltage - 120 or 240 VAC or VDC

Wattage - 100, 150 or 250 watts

Supply frequency - 50 or 60 Hz

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

Cable current rating - 12 amperes maximum

Cable voltage rating - 600 volts maximum

MATERIALS â€™ Sirius Luminaire

All Housing Parts - Tempered cast aluminum, type 356-T6, hard black anodized per MIL-A-8625, Type III, Class 2; vacuum impregnated per MIL-STD-276; and painted with BIRNS Yellow (primer + 2 coats) enamel paint

Lens - Â Tempered borosilicate glass

O-rings - Buna-N, 70-durometer, black N674-70

Connector body - Glass-reinforced epoxy (GRE) 52G-012

Connector pins - Brass 360 per ASTM B16, gold-plated per MIL-G- 45204

MATERIALS â€™ Power Cables

Connector locking sleeve: Black Delrin (homopolymer of polyformaldehyde crystalline acetal resin)

Connector body: Polychloroprene (neoprene), black, vulcanized to 70 durometer

Connector sockets: Beryllium copper, gold-plated per MIL-G-45204

Cable: 14 AWG, 3-conductor fully annealed stranded bare copper per ASTM B-174

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