SIDUS Solutions

SS174 Sea Torch Halogen Light

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Manufacturer / system supplier: SIDUS Solutions

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Applies to the named models and revision only. Housing, interface and performance differences must follow the individual model tables. Source discrepancies are recorded on the ROVITEC product pages; request the approved specification before integration.

Original manufacturer source

https://www.sidus-solutions.com/wp-content/uploads/2024/02/SS174-Datasheet.pdf

Manufacturer pages follow unchanged. Local distribution copy.

SS174 Stainless Steel Sea Torch Light

Sidus Solutions' SS174 Sea Torch underwater light offers the perfect illumination solution for a vast number of applications. Moreover, with a depth rating of 3,000 meters, the SS174 is distinctively suited for lighting applications on remotely operated vehicles, wellhead inspection and other deep diving operations. Featuring a corrosion resistant stainless steel housing, the SS174 is designed for long term deployments.

Built in adaptability of the Sea Torch allows the user to illuminate defined narrow spots or broad area views via internal interchangeable reflectors. The SS174 also provides component options including housing materials, bulbs and connectors further enhancing its adaptability to specific environments and requirements.

Optical

Light Intensity	1300 lux at 1m (1300 lumens) in air – 75W 3000 lux at 1m (3000 lumens) in air – 250W 6000 lux at 1m (6000 lumens) in air – 500W
Color Temperature	3000 K
Field of View	50˚ conical in water wide option (standard) 17˚ conical in water medium option 9˚ conical in water spot option

Electrical

Power Input	115 VAC or 220 VAC
Wattage	75W, 250W or 500W
Dimmable	Yes
Lamp Life	2,000 hrs.
Thermal Protection	Thermal switch option
Connector	Customer selectable – Seacon Brantner is standard

Environmental

Operating Depth	Up to 10,000 ft (3000 m)
Temperature Range	-10˚C to +50˚C (+14˚F to +122˚F) operating -20˚C to +60˚C (-4˚F to +140˚F) storage
Housing Material	316 Stainless Steel
Window Material	Optical grade Pyrex
O-Ring Material	Viton

Mechanical

Dimensions	3.0 in diameter x 4.2 in length (76mm x 107mm)
Weight in Air	2.9lbs (1.3kg)
Weight in Water	1.8lbs (0.8kg)

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