



SS182 High Output LED Light



Sidus Solutions' SS182 high output LED underwater light offers the perfect illumination solution for a vast number of applications. An optimized, micro-controlled LED array provides as much light as a 250W halogen lamp. Moreover, with a depth rating of 3,000 meters, the SS182 is distinctively suited for lighting applications on remotely operated vehicles, wellhead inspection systems and other deep diving operations.

With a 6500K color temperature and Color Reproduction Index (CRI) of 80, the SS182 provides outstanding brightness and luminance for underwater video. The SS182 has an illumination life of 50,000 hours and features automated thermal management for safe operation in air. Light functions, including dimming, are controlled remotely via RS-485.

Sidus Solutions supplies complete turn-key inspection system equipment and services. Ask your representative today about other Sidus Solutions product offerings and services.

Specifications

OPTICAL

Light Intensity	3500 lux at 1m
Color Temperature	6500 Kelvin
Color Reproduction Index	80
Field of View (Wide)	46° conical in water (60° conical in air)
Field of View (Spot)	20° conical in water (26° conical in air)

ELECTRICAL

Power Input	20-28 VDC - 900 mA
Dimming	RS-485
LED Life	50,000 hours
Thermal Protection	Automated
Connector	Customer Selectable - Seacon is standard

ENVIRONMENTAL

Operating Depth	10,000 ft (3000 m)
Operating Temperature	-10° to +50°C (+14°F to +122°F)
Storage Temperature	-20° to +60°C (-4°F to +140°F)
Housing Material	Hard anodized 6061-T6 Aluminum

MECHANICAL

Dimensions (w/o connector)	4.25 in dia x 4.94 in length (108 mm x 126 mm)
Weight in Air	3.7 lbs (1.7 kg)
Weight in Water	2.4 lbs (1.1 kg)

Design and Specifications are subject to change.

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