SIDUS Solutions

SS181MKII Dimmable Subsea LED 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/2025/12/SS181mkII_Subsea_Led_Light_with_Dimming_Control_2025.pdf

Manufacturer pages follow unchanged. Local distribution copy.

SIDUS

SS181MKII ~ High Output LED Subsea Light with Dimming Control Specifications



SIDUS Solutions' SS181MKII high output LED underwater light offers the perfect illumination solution for a vast number of applications. The compact design and 1,000m depth rating makes the SS181MKII an ideal light for installation on a diver helmet or other tight spot.

The 5000K color temperature and Color Rendering Index (CRI) of 70, provides outstanding brightness and luminance for underwater video. The SS181MKII will far outlast the leading halogen dive lamps with an illumination life of 50,000 hours. Additionally, the SS181MKII contains no fragile elements and is highly shock resistant. The Dimming Control option includes RS485 Serial Interface, Power Cycle, or Analog Input.

Features

- 5000 Kelvin Color Temperature, CRI = 70
- Lamp Life up to 50,000 hours
- Depth Rated 1000 meters
- RS485 serial interface

ELECTRICAL SPECIFICATIONS

Operating Voltage	20-28VDC
Power	Approx. 35W (full intensity)
Luminous Flux	Approx. 3500 Lumens
Color Temperature	5000 Kelvin
Color Reproduction Index	70
Field of View (Wide)	90˚ conical in water (140˚ conical in air)
Lamp Life	Up to 50,000 hours

ENVIRONMENTAL SPECIFICATIONS

Operating Depth	1000m (3,000 ft)
Operating Temperature	-10˚ ~ 50˚ C (+14˚ F ~ 122˚ F)
Storage temperature	-20˚ ~ 60˚ C (-4˚ F ~ 140˚ F)
Dimensions	1.9-inch Diameter (48mm)
Length	5.1 inches (130mm)
Weight	In Air: 0.75 lbs (0.34kg) In Water: 0.53 lbs (0.24kg)
Housing	Hard Anodized Aluminum & Acetal
Window	Acrylic
Connector	Subconn is standard, customer selectable