

**Professional Solutions for Hazardous Area & Subsea Systems**

**SS181  
High Output  
LED Light  
With Dimming**



**Sidus Solutions' SS181** high output LED underwater light offers the perfect illumination solution for a vast number of applications. The compact design and depth rating of 1,000 meters makes the SS181 an ideal light for installation on a diver helmet or other tight spot.

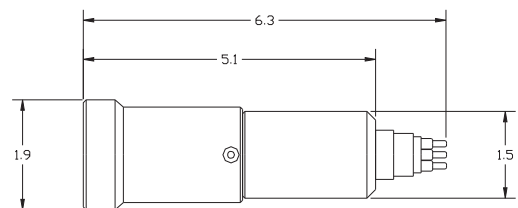
With a 6500 K color temperature and Color Reproduction Index (CRI) of 80, the SS181 provides outstanding brightness and luminance for underwater video. The SS181 will far outlast the leading halogen dive lamps with an illumination life of 50,000 hours.

The SS181 contains no fragile elements and is highly shock resistant. Options include choice of narrow or wide beam patterns and choice of power toggle dimming, RS-485 intensity control or dimming via external potentiometer.

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

**Specifications**

Dimensions:	Diameter 1.9 in / 48 mm
Length:	5.1 in / 130 mm
Weight:	0.75 lbs / 0.34 kg (in air) 0.53 lbs / 0.24 kg (in water)
Housing:	Hard anodized aluminum & Acetal
Window:	Acrylic
Connector:	Customer selectable - Season is Standard
Operating Depth:	3,000 feet / 1,000 meters
Operating Temperature:	-10° to +50°C (+14°F to +122°F)
Storage Temperature:	-20° to +60°C (-4°F to +140°F)
Operating Voltage:	20-28 VDC
Power:	12 W (full intensity)
Luminous Flux:	1000 lux @ 1 meter
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)
Lamp Life:	Up to 50,000 hrs.



P O Box 420698  
**San Diego, CA 92142**  
619.275.5533 phone  
619.275.5544 fax

P O Box 925006  
**Houston, TX 77292**  
281.596.7568 phone  
281.596.7578 fax

[info@sidus-solutions.com](mailto:info@sidus-solutions.com)  
[www.sidus-solutions.com](http://www.sidus-solutions.com)

Design and Specifications are subject to change.