

SAIS TUBE LIGHT

ULTRAVIOLET LED LIGHT



UV Light helps inhibit marine growth on submerged surfaces.

The SAIS UV LED light is special version of the SAIS rugged, compact, 0 - 100% dimmable Tube Light that contains an Ultraviolet (UV) LED with a peak wavelength of 275 nanometers. This wavelength is often used for sterilization and also discourages bio-fouling underwater. The UV is effective within a range of approximately 6 inches (15 cm) of the light. Typical usage is to connect the light to an interval timer that activates the light for some period of time during each hour of deployment. UV output power is 11.5 mW with a view angle of 125 degrees. The light can tolerate a wide input voltage range of 9 VDC to 36 VDC and draws only 200mA which allows it to be easily integrated into many systems used in the marine environment for a wide range of tasks. Adding the SAIS Ethernet Interface and PoE Adapter on the interface end of the cable makes the light perfect for IoT and Machine Vision applications.

- Wide voltage input range of 9 to 36VDC.
- High efficiency LED produces UV light with a peak wavelength of 275 nm.
- Effective range for bio-fouling control is approx 6 inches (15cm)
- 25 degree view angle allows for wide area coverage. SAIS LED lights are **100% dimmable via analog or over Ethernet connection.**
- Can be **powered & controlled directly from PoE source** using the *SAIS Ethernet interface and PoE Adapter* (sold separately).

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Technical Specifications

PHYSICAL	
Body Materials:	Hard Anodized 6061-T6 Alloy Acetal
Window Material:	Fused Quartz
Diameter (at Widest Point)	1.5 in (38.1 mm) ~
Overall Length (without connector)	4.1 in (104.1 mm)
Weight in Air (Maximum, depends on options)	<0.33 lbs (150 g)
Approx Weight in Water	<0.18 lbs (80 g)
Operating Depth	328 ft (100 m)
ELECTRICAL	
Input Voltage UV Output (@ 150mA)	9V - 36V DC
Current	200 mA
Dimming	0 - 100 % using 0-5V DC
OPTICAL	
Optical Output Power (approx)	11.5 mW
Peak Wavelegth	275nm
Spectrum Half Width	11nm
View Angle	125 deg.
MAX TEMPERATURES	
Operating	-22F ~ 140F (-30C ~ 60C)
Storage	-40F ~ 212F (-40C ~ 100C)
Recommended for in-wat	DO NOT USE IN AIR FOR PROLONGED PERIODS