![STR Subsea Technology & Rentals logo]

STR SEALIGHT 1

The STR SeaLight LED-1-DC is a highly compact underwater LED, designed to complement a wide range of camera and video inspection systems including the STR SeaSpyder, SeaCam and SeaSpectrum product ranges.

This unit benefits from very high efficiency levels, resulting in 1200lm of illumination for only 9W of electrical power. To achieve this level of illumination previous generations of LEDs may require 20W or even 60-100W for halogen based lamps. This reduced power consumption aids thermal performance resulting in improved product lifespan.

In addition to its high efficiency, the SeaLight LED has been designed to offer a high quality of illumination, providing a wide beam of 5000K daylight colour temperature light.

Combining a 3000m depth rated, robust stainless-steel housing along with a sapphire lens ensures that this product can excel in harsh environments.

The unit may be controlled between 100% & 0% using a 0-10V analogue dimming voltage. In the absence of this control voltage the LED will initialise at 100% illumination.

A range of mounting brackets and connector options are available to suit most applications.

KEY FEATURES

- 15-32V DC @ 9W
- 1200 Lumens
- 120° Wide Beam Angle
- 3000m Depth Rating

- Compact & Durable
- High Efficiency & Long Life
- 0-10V DC Intensity Control

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SeaLight LED-1-DC:

Input Supply Voltage: 15 to 32VDC

Input Supply Power: 9W typical @ 100% illumination

Colour Temperature: 5000K

Lumen Output: 1200lm typical

Beam Angle: 120° to 50%

Luminous Efficacy: 130lm/W typical

Depth Rating: 3000m operational

Operating Temperature: -10°C to 45°C

Housing Material:
Stainless-steel housing / Sapphire lens

Connector: MCBH3M / MCIL3F mating half

Weight: 470g in air / 340g in water

Dimensions:
123mm L (145mm inc connector)
x 35mm Dia @head / 30mm Dia @ body

Dimming Control: 0-10V Analogue (Approx.
10KOhm load)

Circuit Protection: Reverse polarity protected,
over voltage, thermal shut down