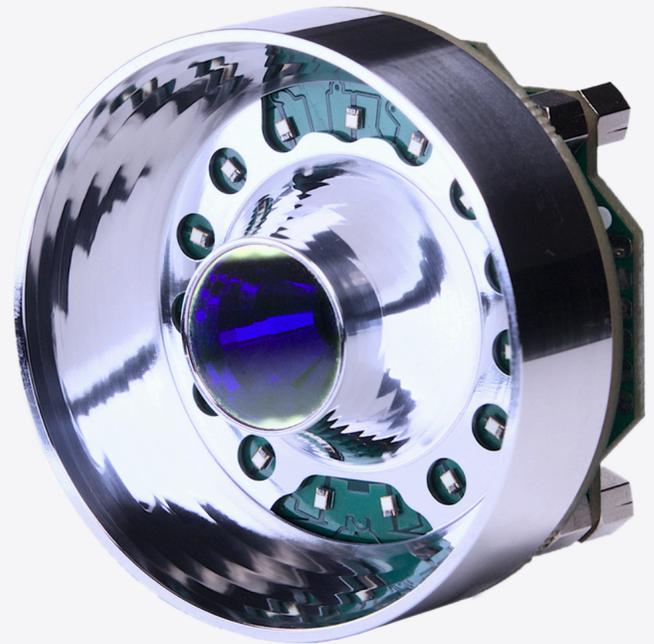# LUMA FLEX

LUMA™ FLEX is the world's most compact optical wireless modem, designed for seamless integration into subsea infrastructure or sensor packages. It is ideal to offload data from your submerged sensor without bringing it to the surface - a small ROV or AUV fitted with a **LUMA™** modem will suffice. Fully SWiG-compatible, it provides fast, power-efficient, and low-latency wireless communication. It is highly adaptable and can be customized to meet the demands of various challenging applications.

SYSTEM SPECIFICATIONS

Dimensions	26 mm x ø 50 mm (1 in x ø 2 in)
Weight	49 g (1.73 oz)
Data Rate: Optical Link	500 kbit/sec
Data Rate: Cable Interface	9.6 - 512 kbit/sec
Maximum Range*	100 m (450 m in air) (330 ft, 1475 ft in air) *Values based on calculations. The actual achievable range depends on water conditions such as turbidity, ambient light levels.*
Wavelength	475 nm (blue)
Beam Pattern*	20 deg. cone
Supply Voltage	12 - 36 V
Power Consumption	Sleep: < 4 mW Receiving: 1 W Transmitting: 2 - 5 W (typ.)

SYSTEM FEATURES

Software Features*	• Error Detection • Forward Error Connection • Auto-wakeup

*ADDITIONAL FEATURES ARE UPGRADEABLE UPON REQUEST. PRELIMINARY SPECIFICATIONS MAY CHANGE WITHOUT NOTICE

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