

# ENGINEERED PLASTIC LUMINAIRES

RSL Fiber Systems LLC offers a product line of thermoplastic, metal-free optical diffusers powered by light engines that are placed remotely in easy-to-access areas. The diffusers are 1/10 the size of conventional electric luminaires and weigh far less. They are available for all topside navigation and signalling lights.

## Application Advantages

- Smaller, lighter footprint
- Composite, non-metallic construction eliminates rust
- Mil-Spec qualified, USCG COLREGS compliant
- Eliminates need for maintenance of electrical connections
- Eliminates need for staging & scaffolding to reach fixtures
- Reduces weight in critical areas of ship
- Available with adapters to fit into legacy footprint without any hot work.

## Problem

*The Pentagon spends \$22.9 B/yr fighting rust.*

*"The High Cost of Waging War on Rust*

*...The Pentagon spends \$22.9 billion a year fighting rust—almost twice as much as the cost of a new Navy aircraft carrier and about as much as 55 F-22 Raptors, the Air Force's premier fighter jet. Dealing with corrosion in ships, tanks, planes, and other equipment will cost an estimated \$114.5 billion over the next five years..."*

*Bloomberg Businessweek Magazine  
By David Lerman on June 02, 2011  
<http://www.businessweek.com/magazine>*

**\*Bloomberg Business Week Magazine**

## Solution

*All corrosion resistant materials topside.*

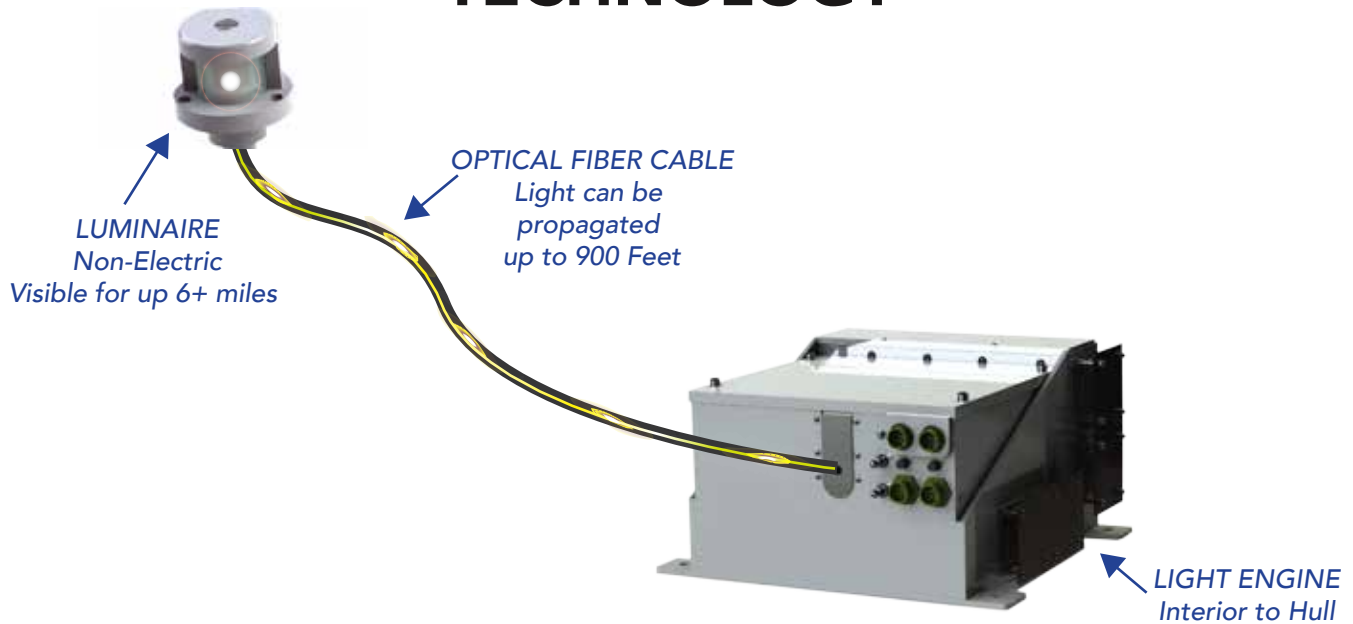


**RSL Composite  
Non-electric Luminaire**

2 inches high  
2.5 inches diameter  
1.5 lbs weight

\*Measurements are approximate

# THE REMOTE SOURCE LIGHTING TECHNOLOGY



RSL Fiber Systems LLC is the market leader in advanced remote source illumination systems for military and commercial markets. The possibilities of its proprietary technology which carries light to hazardous environments and hard-to-access areas are limitless. The key elements of RSL designs include safety, efficiency, low maintenance and maximum durability. The company is also actively engaged in the implementation of new technologies such as advanced LEDs, lasers, and fiber optic based temperature and gas sensing systems.

**Innovative solutions for the most complex, demanding illumination and safety applications....**

**...That's RSL Fiber Systems**



**For more information**

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2018.7.10