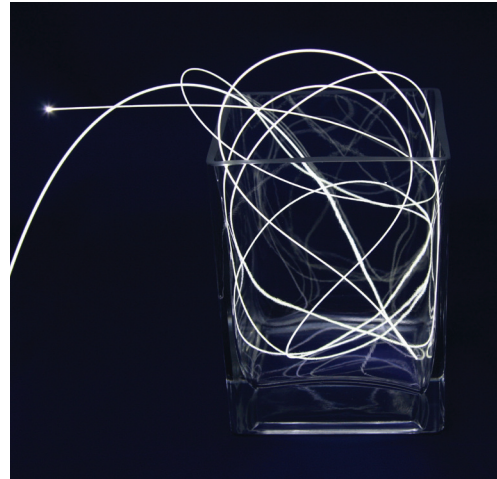




Moonlite1.5 and Moonlite3.5



ML3.5 spool (left) and ML3.5 (right) fiber design has been optimized for use with Versalume's blue laser diode sources to produce a luminous, uniform length of white light.

Our new Moonlite1.5 (ML1.5) and Moonlite3.5 (ML3.5) fiber consist of 1.5-meter and 3.5-meter lengths, respectively, of Corning® Fibrance® Light-Diffusing Fiber with integrated phosphor. With a diffusion length optimized for the physical fiber length, each comes on a spool with a single-ended FC connector. Pairing ML1.5 or ML3.5 with a Versalume blue laser diode creates thin, white, continuous lighting that can be embedded into tight or small places where other bulky lighting cannot fit.

Benefits of Moonlite1.5 and Moonlite3.5

- Emits continuous uniform white light
- Bright and pure
- Light, thin and flexible
- Tight-bend capability
- Very low thermal output
- Versatile for many applications

Product Attributes

Optical

Color Temperature (Nominal)	5000 K (other color temperatures available on request)	
Light-Diffusion Length (Nominal)	2 m	4 m
Light-Diffusion Output	90% at nominal diffusion length	
Numerical Aperture	> 0.5	
Laser Source Wavelength Range	450 ± 5 nm evaluated, broader possible	
Viewing Angle ¹	> 120 degrees	
Optical Connector	1 x FC	
Connector Options	One end connectorized is standard	

Mechanical

Core Diameter	170 ± 3 µm	
Outer Diameter	230 +0/-10 µm	
Physical Length (Nominal)	1.5 m	3.5 m
Jacket Diameter (Nominal)	750 µm	
Jacket Material	tight-buffered PVC	
Proof Test - Tensile Strength	> 100 kpsi	

Environmental

Operating Temperature Range	-20 to +65°C
Storage Temperature Range	-20 to +65°C

Notes

- ¹ Viewing angle is defined as the angle at which the luminance is greater than 50% of the maximum. The fiber emits light uniformly in 360° around the circumference of the fiber and >120° along the length of the fiber if viewed from either end.



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