



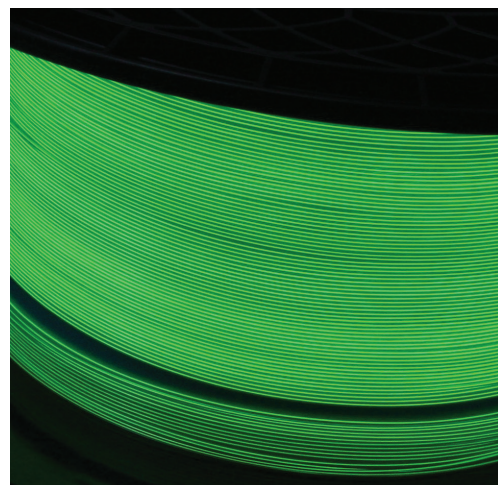
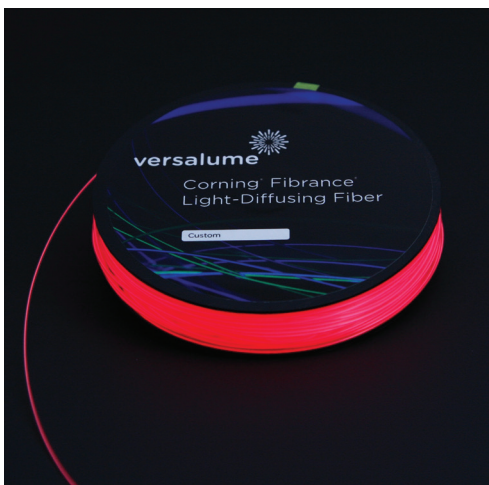
Infinity25 and Infinity50

Infinity25 and Infinity50 consist of 25-meter and 50-meter lengths of Corning® Fibrance® Light-Diffusing Fiber. Infinity25 has a matched 25 meter diffusion length and comes on a spool with a single-ended FC connector. Infinity50 has a 50 meter diffusion length and comes on a reel with double-ended FC connectors standard for dual launch purposes. This technology enables thin, colorful, continuous lighting over distances that other discrete lighting solutions may struggle to match.



Benefits of Fibrance

- Emits continuous uniform light
- Bright, clear color
- Light, thin and flexible
- Tight-bend capability
- Proprietary glass optical fiber core
- Very low thermal output
- Versatile for many applications



Infinity25 (left) and Infinity50 (right) have a standard 900 micron clear outer jacket. Fiber designs have been optimized for use with Versalume's laser diode sources.

Product Attributes

Optical

Light-Diffusion Length (Nominal)	25 m	50 m
Light-Diffusion Output	90% at nominal diffusion length	
Numerical Aperture	> 0.5	
Operating Wavelength Range	420 - 700 nm evaluated, broader possible	
Viewing Angle ¹	> 120 degrees	
Optical Connector	1 x FC	2 x FC
Connector Options	One end connectorized is standard	

Mechanical

Core Diameter	170 ± 3 μm	
Outer Diameter	230 +0/-10 μm	
Physical Length (Nominal)	25 m	50 m
Jacket Diameter (Nominal)	900 μm	
Jacket Material	Optical Grade PVC	
Proof Test - Tensile Strength	> 100 kpsi	

Environmental

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



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