

Corning® Fibrance™

Light Diffusing Fiber

Advanced Optics



Corning's light diffusing fiber allows a controlled diffusion of light from the surface thru nanostructures engineered in the fiber. This offers flexibility to lighting designers with regard to the form, fit, color and length of the lighting element. And since it is made from high purity silica it can be used for applications in the UV and near infrared spectrum as well.

Applications that require separation of the lighting element from the light source such as an LED or laser will benefit from light diffusing fiber. The fiber is free of color dispersion which enables true color rendering from the light source. Dynamic color control is also possible with the use of RGB light sources.

Product Attributes

- Thin, flexible lighting design element
- Uniform illumination along the length as well as around the fiber
- Tight bend capability
- No visible color dispersion
- Single fiber (for use with laser diode) or multiple fiber bundle (for use with LED)
- Dynamic color control
- Separation of light source from the light distribution element
- Standard product lengths: 1 m, 5 m, 10 m

Contact Information

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