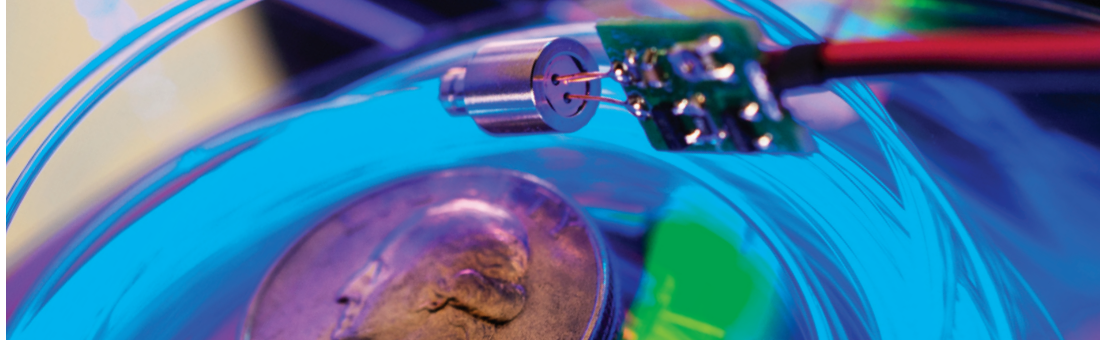


CORNING

Fibrance®
Light-Diffusing Fiber



Fibrance® Small Form-Factor Laser Assemblies

Corning® Fibrance® Light-Diffusing Fiber is a glass optical fiber made for thin, colorful, ambient lighting. Along with a small form factor laser module, Fibrance technology enables decorative lighting to be designed or embedded into tight or small places where other bulky lighting elements cannot fit. The small form factor laser provides a compact solution for coupling light into Fibrance technology. The laser diode is pre-connected to a 3 m long Fibrance and can be easily hidden to create uniform, thin lighting designs.

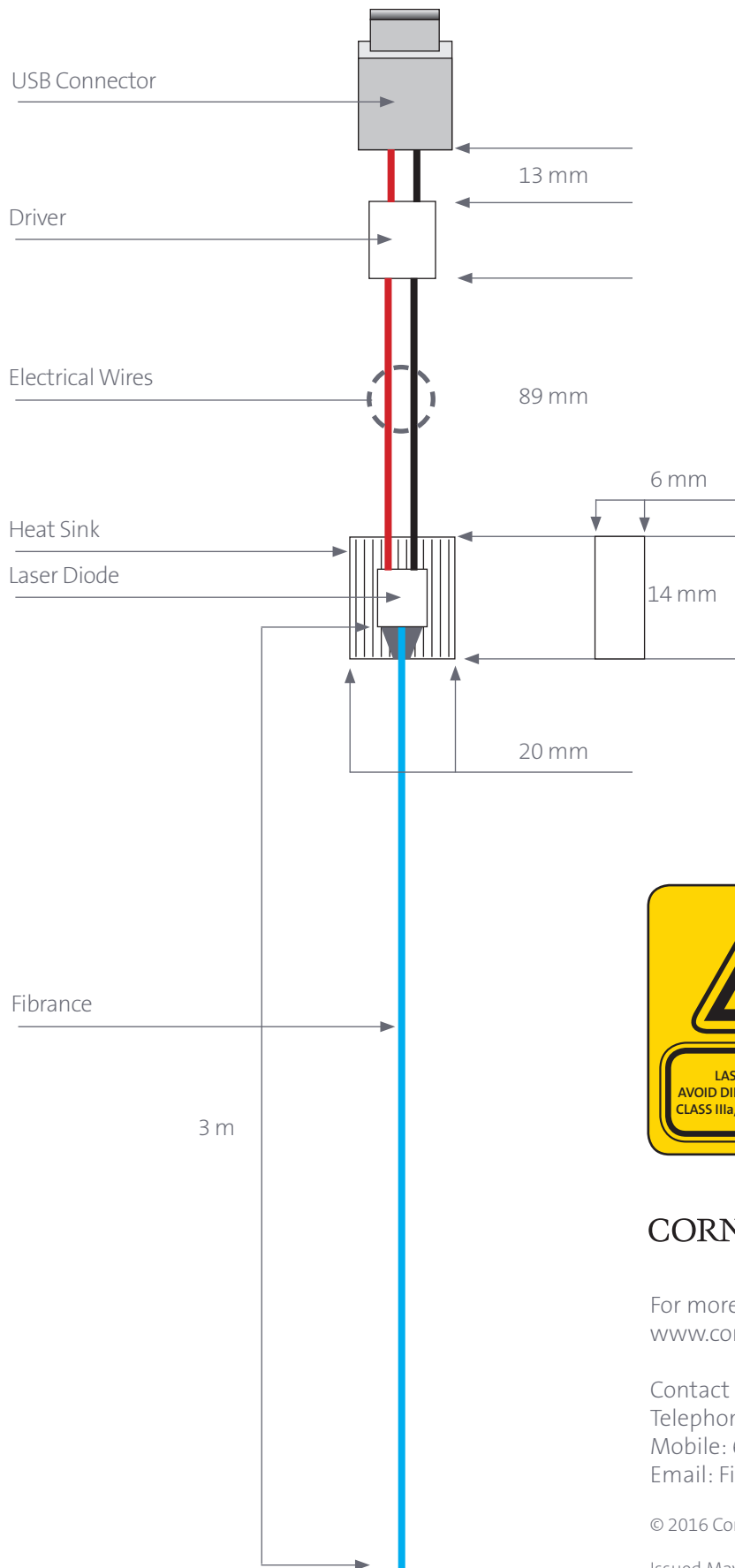
Optical and Electrical Characteristics:

Color	Red or Blue
Fiber length	3 meters
Fiber glass core diameter	170 +/- 3 microns
Fiber clad diameter	230 +/- 10 microns
Fiber numerical aperture	0.50 NA
Jacket outer diameter	700 – 900 microns
Fiber proof test	> 100 kpsi
Wavelength	638 +/- 5 nm or 450 +/- 5 nm
Operating voltage input	5.0 VDC
Electrical connector	USB Type A male connector (5 VDC)
Laser mode	CW
Operating current	< 90 mA
Fiber connector	None
Control interface	Auto constant current
Circuit protection	Static, surge, reverse polarity

Environmental and Regulatory Information:

Regulation	Class 3R laser, CDRH/ROHS compliant
Max Case Temperature	-10 to +50 °C
Storage Temperature	-40 to +80 °C

Mechanical Drawing



CORNING | Fibrance® Light-Diffusing Fiber

For more information, visit our website:
www.corning.com/fibrance

Contact us at:
Telephone: 607-974-4139
Mobile: 607-542-0569
Email: Fibrance@corning.com

© 2016 Corning Incorporated. All Rights Reserved.

Issued May 2016