

LASERLIGHT FIBER

WHITE LIGHT MODULE



Part Number: 920-00001

PRODUCT OVERVIEW

LaserLight Fiber Module by SLD Laser is the world's first, high luminance, remotely delivered white laser light module.

LaserLight Fiber features safe, high efficiency fiber delivery of light from a blue laser diode to a phosphor module emitting 400 lumens and more than 1000 Mcd/m² as incoherent, broad spectrum white light. Applications include automotive and specialty lighting.



SLDLASER

LIGHTING APPLICATIONS

- Entertainment
- Architectural
- Outdoor
- Automotive, Aftermarket, Off-road Vehicles
- Pole Mounted Lighting, Remote Lighting

FEATURES & BENEFITS

- 400 lumens and 5600K CCT
- World's highest luminance > 1000 Mcd/m²
- Enables 2deg beam angle from 35mm optic
- Novel fiber delivered, remote lighting architecture with integrated safety sensors

BENEFITS

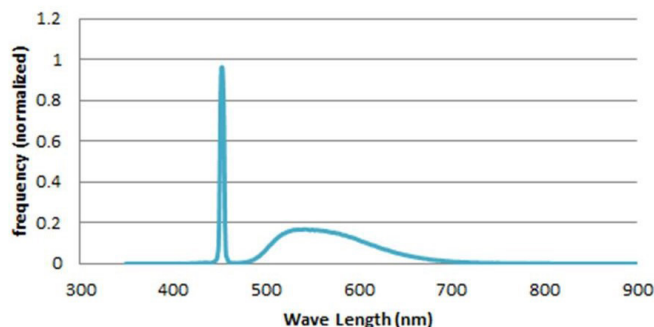
- Enables ultra-long throw distance for long range applications, up to 10x that of LED
- High luminance enables micro-luminaires
- Compatible with high efficiency waveguide delivery
- Sharp beam cutoff and high contrast light field gradients
- Remote lighting architecture allows fiber delivery to a remote, compact, lightweight passive illumination module

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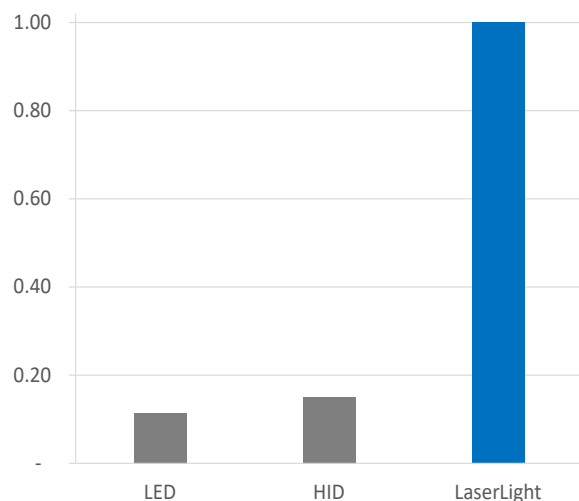
PRODUCT CHARACTERISTICS

Parameter	Units	Typical Value
Luminous Output	lm	400
Light Emitting Region (dia.)	mm	0.24
Luminance (peak)	Mcd/m ²	1350
Viewing Angle	deg.	120
Color Temperature (CCT)	K	5600
Color Rendering Index	CRI	70
Forward Current	A	2.2
Forward Voltage	V	4.7
Package Dim. (Source)	mm	36 x 19
Package Dim. (Laser)	mm	55 x 45

SPECTRAL POWER DISTRIBUTION



RELATIVE LUMINANCE CAPABILITY



SLDLASER

+1.805.696.6999

info@SLDLaser.com
SLDLaser.com

ABOUT SLD LASER

SLD Laser is commercializing a new generation of visible laser sources for display, automotive, and specialty applications. SLD Laser's visible laser light sources are used directly in single color and R-G-B applications, or integrated into laser pumped phosphor architectures. These sources enable applications in a myriad of vertical markets, including: general lighting, automotive headlights, projection displays, defense pointers & illuminators, biomedical instrumentation & therapeutics, and industrial material processing & imaging applications. As an independent spin-off from Soraa Inc. (LED lighting), SLD Laser was founded by several leading global pioneers in solid-state lighting, including Dr. Shuji Nakamura, 2014 Nobel Laureate in Physics, Dr. Steve Denbaars, Dr. James Raring, and Dr. Paul Rudy. SLD Laser operates fabrication facilities in California's Silicon Valley and Santa Barbara, CA. To learn more about SLD Laser, visit <http://www.SLDLaser.com>, or contact the company at Info@SLDLaser.com or 805-696-6999.