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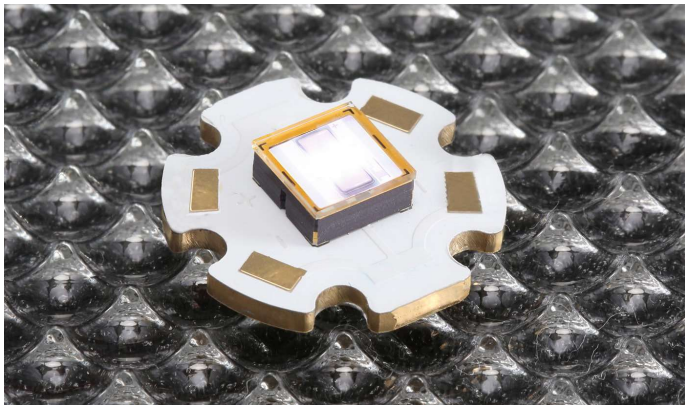
THE NEW VALUE FRONTIER



LASERLIGHT SMD

WHITE LIGHT EMITTER

SLDLASER



Part Numbers: 910-00003-TR LaserLight SMD and 910-00004-IT SMD on Star MCPCB

LIGHTING APPLICATIONS

- Architectural & Entertainment
- Outdoor & Portable
- Automotive
- Search & Rescue, Security, and Medical

FEATURES & BENEFITS

- World's highest luminance 1000 Mcd/m2
- Enables less than 2 degree beam angle from 35mm optic
- Stable efficacy vs. drive power
- Compact 7mm SMD with built-in safety features

Brighter. Smaller. Safer.

PRODUCT OVERVIEW

LaserLight SMD by SLD Laser is the world's first high luminance, white laser light emitter in a compact 7mm SMD. Featuring 500 lumens and 1000 Mcd/m2, LaserLight SMD enables ultra-long throw distances, narrow beam angles and small optic sizes for specialty lighting applications.

PROGRESS Report SELECTION · PRISM AWARDS FINALIST · LEDs Magazine SAPPHIRE AWARDS FINALIST · LFI INNOVATION AWARDS · Illumination Awards 2018 LaserFocusWorld · UL CERTIFIED

www.KYOCERA-SLDLaser.com

KYOCERA SLD Laser, Inc.

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LASERLIGHT SMD

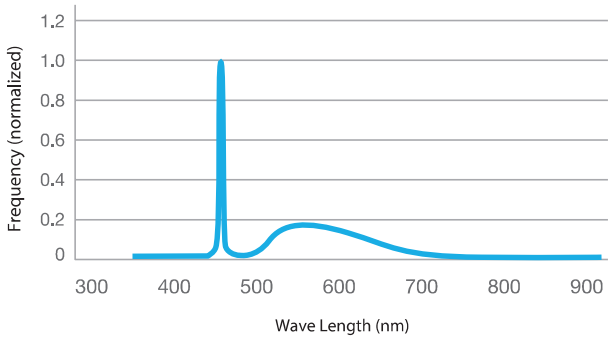
WHITE LIGHT EMITTER

PRODUCT SPECIFICATIONS SUMMARY

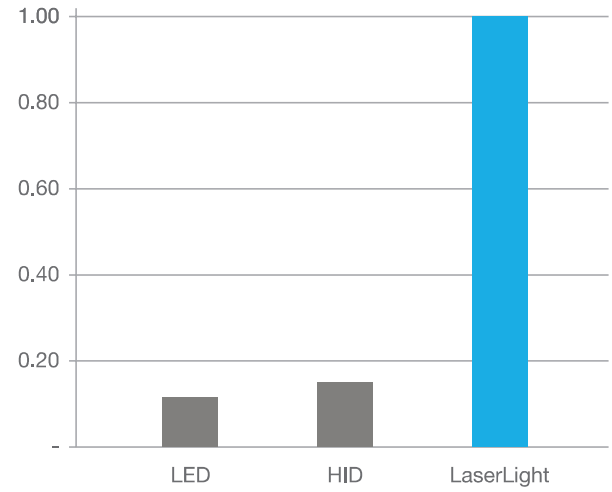
PRODUCT CHARACTERISTICS

Parameter	Units	Typical Value
Luminous Output	lm	500
Emitting Region (dia.)	mm	0.35
Luminance	Mcd/m^2	1000
Viewing Angle	deg.	120
Color Temperature (CCT)	K	6000
Color Rendering Index	CRI	70
Forward Current	A	1.65
Forward Voltage	V	8.7
Package Dimensions	mm	7.0 sq x 2.6
Max oper. temp. (case)	°C	50
Operating Lifetime	h	10,000

SPECTRAL POWER DISTRIBUTIONS



RELATIVE LUMINANCE CAPABILITY



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ABOUT KYOCERA SLD LASER, INC.

KYOCERA SLD Laser, Inc. 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. 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.

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