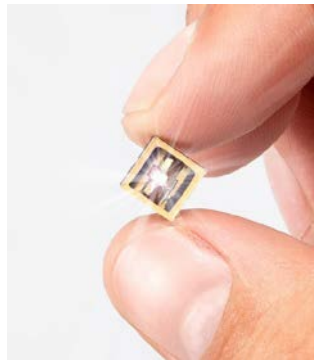


PRELIMINARY
PRODUCT
DATASHEET

LaserLight SMD

WHITE LIGHT SOURCE



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

PRODUCT OVERVIEW

LaserLight SMD by SLD Laser is the world's first high luminance, white laser light emitter in a compact 7mm SMD. Featuring 450 lumens and 1000 Mcd/m², LaserLight SMD enables ultra-long throw distances, narrow beam angles and small optic sizes for specialty lighting applications.



LIGHTING APPLICATIONS

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

PRODUCT RECOGNITIONS

- Laser Focus World 2018 Innovator Award
- Lightfair 2017 Innovation Award
- LEDs Magazine 2017 Sapphire Awards Finalist
- SPIE, Photonics Media 2017 Prism Award Finalist
- IES Progress Report 2016 Selection
- LaserFocusWorld Gold Innovator



PRELIMINARY
PRODUCT
SPECIFICATIONS
SUMMARY

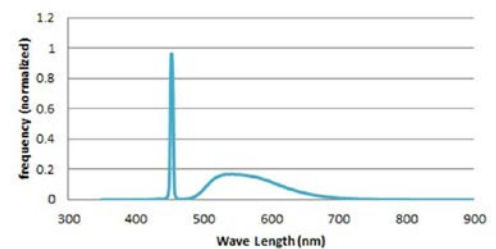
LaserLight SMD

WHITE LIGHT SOURCE

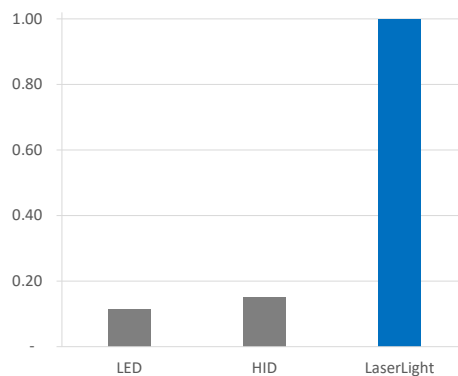
PRODUCT CHARACTERISTICS

Parameter	Units	Typical Value
Luminous Output	lm	450
Emitting Region (dia.)	mm	0.34
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

SPECTRAL POWER DISTRIBUTION



RELATIVE LUMINANCE CAPABILITY



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.

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