Laser Diodes

SLDLASER

LASER COMPONENTS

PRELIMINARY

Note of exception to specification:
Luminous output relieved to 800 lumens spec for all shipments from Jan 1, 2020 until anticipated launch Q4 2020

LaserLight SMD 1K

LaserLight SMD 1K is the next generation of SLD Laser's high luminance, white laser light emitter in a compact 7mm SMD. Featuring 1000 lumens and 1000 Mcd/m2, LaserLight SMD 1K enables ultra-long throw distances, narrow beam angles and small optic sizes for specialty lighting applications.

Lighting design freedom, unleashed

World's highest luminance
Award-winning technology
Built-in safety features
Narrow beam angles

Brighter. Smaller. Safer.

IATF 16949:2016 CERTIFIED COMPANY

ISO 9001 CERTIFIED

UL CERTIFIED UL 8750

Applications:

Outdoor
Portable
Automotive
Search & Rescue
Security
Medical
Architectural
Entertainment
Many more…

Features:

- World's highest luminance at 1,000 Mcd/m²
- Enables less than 2° beam angle from 35mm optic
- Increased lm/W and operating temperature
- Compact 7mm SMD with built-in safety feautures

PRISM AWARDS WINNER

LFI INNOVATION AWARDS

LEDs SAPPHIRE AWARDS WINNER

PROGRESS Report SELECTION

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PRELIMINARY

Preliminary
Product
Specifications
Summary

LaserLight SMD 1K

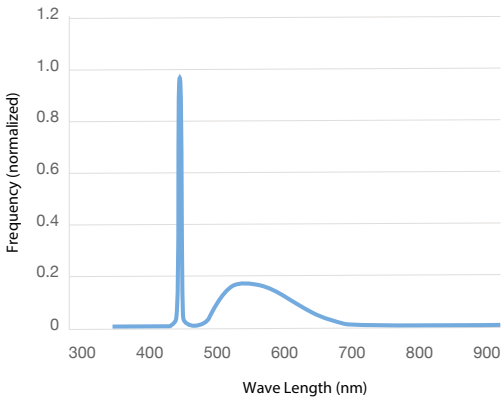
White Light Emitter

910-00010-TR LaserLight SMD 1K
910-00011-IT SMD 1K on Star MCPCB

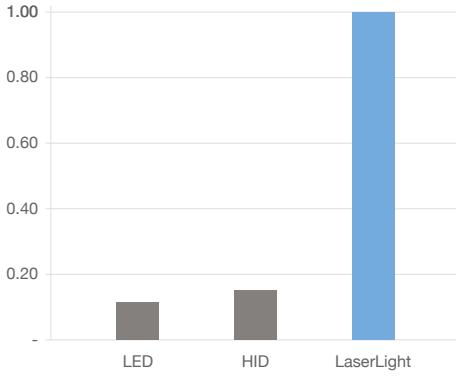
Product Characteristics

Parameter	Units	Typical Value
Luminous Output	lm	800
Emitting Region (dia.)	mm	0.5
Luminance	Mcd/m²	1000
Viewing Angle	degrees	120
Color Temperature (CCT)	K	6000
Color Rendering Index	CRI	70
Forward Current	A	2.50
Forward Voltage	V	9.0
Package Dimensions	mm	7.0 sq x 2.6
Max oper. temp. (case)	°C	60

Spectral Power Distribution



Relative Luminance Capability



Pioneering the future of lighting

SLD Laser is commercializing a new generation of visible laser light sources for as well as advanced sensing and LiFi communication applications. SLD Laser's high luminance LaserLight products are UL and IEC safety certified, and the company is certified to automotive IATF 16949 and ISO 9001 quality standards with facilities in Santa Barbara, CA and in Fremont, CA.

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