



NECSEL™ BLUE

BLUE LASER DIODE - 465 NM

Version 1.1



EFFICIENT & POWERFUL

The Necsel Blue Laser contains direct emitting diodes and produces 3.6 W of power. This laser has excellent power conversion efficiency and comes standard in a fiber-coupled package. For users who want to get started right away, combine this laser with the Necsel Blue Developer's Kit.

FEATURES

- 3.6 W of Power*
- 30,000 hrs of Lifetime*
- Direct Emitting Diode
- Easily Modulated
- Low Energy Consumption
- Optional Free Space Design
- Optional Developer's Kit

APPLICATIONS

- Digital Projection
- Remote Source Lighting
- Hazardous Lighting
- Phosphor Illumination
- Laser Light Shows
- Medical
- Forensics

SPECIFICATIONS SUMMARY

Parameter	Min	Limits Typ	Max
Operating Power*		3.6 W	
Temperature		30°C	
Wavelength Range	460 nm	465 nm	470 nm
Slope Efficiency		1.1 W/A	

RECOMMENDED DRIVE CONDITIONS

Laser Diode Voltage	11.5 V	14.5 V	17 V
Operating Current* (CW)	-	1.2 A	1.4 A
Threshold Current	300 mA	430 mA	550 mA

FIBER-COUPLING OPTIONS

Connector	SMA-905
Fiber Core Diameter	400 µm
Fiber NA	0.22

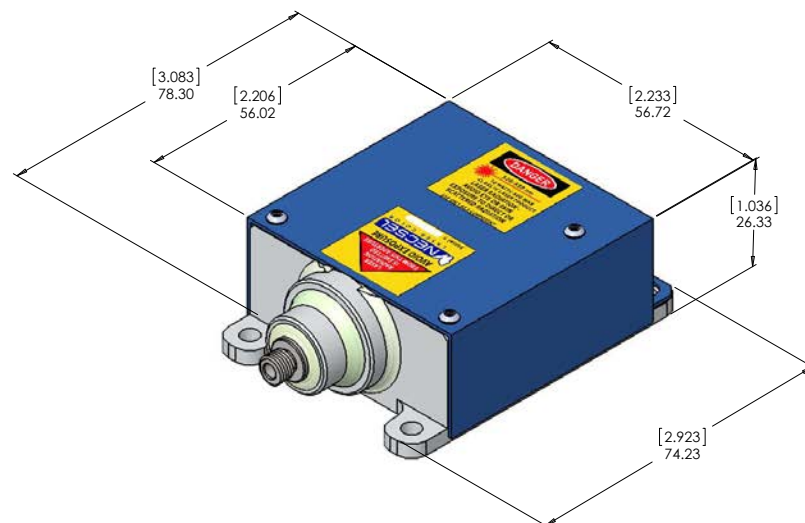
OPTIONAL ACCESSORIES



TRANSPORT FIBER



DEVELOPER'S KIT



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*Specifications of lifetime, power, and operating current varies depending on product usage.