

Products

NECSEL BLUE

Blue 445 10W

The Necsel Blue Laser contains direct emitting diodes and produces 10 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.



Optional Accessories





Transport Fiber (400 μm)



Thermal Platform Device



Features

- 10 W of Power
- 20,000 hours 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 | Units | Min | Typical | Max |
|------------------|-------|-----|---------|-----|
| Operating Power | W | - | 10 | - |
| Temperature | °C | - | 30 | - |
| Wavelength Range | nm | 440 | 445 | 449 |

Recommended Drive Conditions

| | | | | |
|------------------------|---|------|------|------|
| Laser Diode Voltage | V | 15.0 | 23.5 | 26.0 |
| Operating Current (CW) | A | - | 1.5 | 1.7 |

Fiber-Coupling Options

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



Stay in Touch

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