

Turn-Key, Benchtop White Laser Source Combined Red, Green and Blue Fiber-Coupled Laser Diodes



Features

- Triplex RGB-Laser Module
- Up to 15mW Per Color Channel
- Independent Control of Each Color Channel
- 3 μ m Single Mode Fiber, NA 0.12
- FC/APC Fiber Connector

LASER LAB SOURCE

World Leading Products for **Laser Scientists & Engineers**

Turn-Key, Benchtop Triplex-RGB-Module Overview

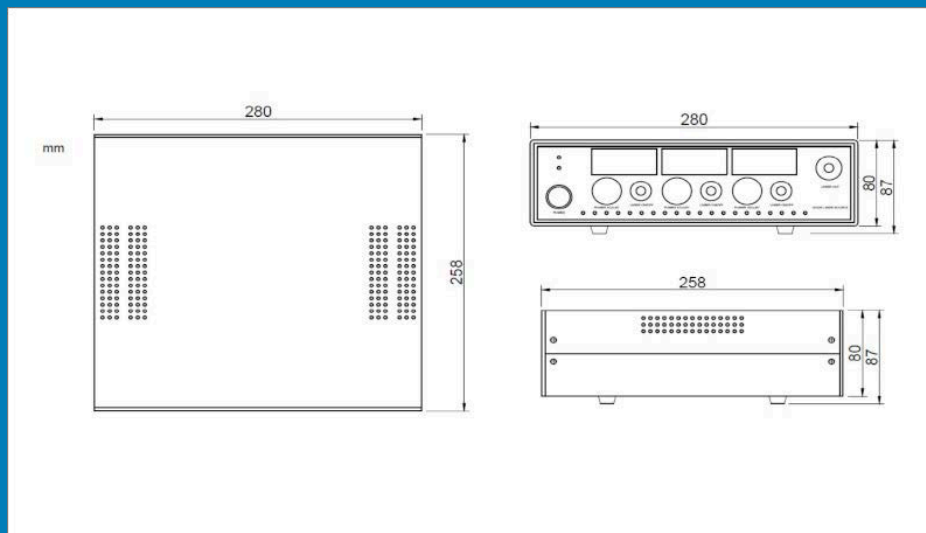
The Triplex RGB Fiber-Coupled Laser Sources combine three lasers: red (638nm), green (520nm) and blue (450nm) into one fiber to get a combined white laser output. The source is equipped with single mode fiber (SMF), 3 μ m core, with NA of 0.12. This unique benchtop white laser diode light source is easy to use.

The source plugs into mains power or DC power source, and the power output of each wavelength can be controlled independently to achieve any output color. CW output operating mode is standard. The source module is equipped with an internal thermoelectric cooler and thermistor and is designed to maintain stable laser module temperature for good power stability performance.

Proven Laser Diode Expertise

These high stability fiber coupled laser diodes are designed and manufactured to meet the most demanding R&D and industrial applications.

Proprietary design, packaging, and fiber coupling processes produce laser diodes with very high stability and low noise. Each laser diode is subject to extensive testing and burn-in before shipment to ensure the highest possible levels of quality and long term reliability.





OPTICAL SPECIFICATIONS AT 25°C

- Triplex RGB Optical Source
- Output Power: up to 15 mW per Wavelength
- Wavelength Temperature Coefficient: 0.05 nm/°C

ELECTRICAL SPECIFICATIONS AT 25°C

- Threshold / Operating Current (450 nm): 30 mA / 120 mA
- Operating Voltage (450 nm): 6.0 V
- Threshold / Operating Current (520 nm): 45 mA / 200 mA
- Operating Voltage (520 nm): 7.0 V
- Threshold / Operating Current (638 nm): 50 mA / 180 mA
- Operating Voltage (638 nm): 2.7 V

PACKAGE AND FIBER SPECIFICATIONS

- Compact Module
- Fiber Connector: FC/APC
- Fiber Core Diameter: 3 μ m
- Fiber NA: 0.12
- TEC Current: 3.5 A (max)
- TEC Voltage: 7.0 V (max)

WORLD LEADING PRODUCTS
FOR LASER SCIENTISTS AND ENGINEERS