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
- 3µm Single Mode Fiber, NA 0.12
- FC/APC Fiber Connector

Turn-Key, Benchtop Triplex-RGB-Module Overview

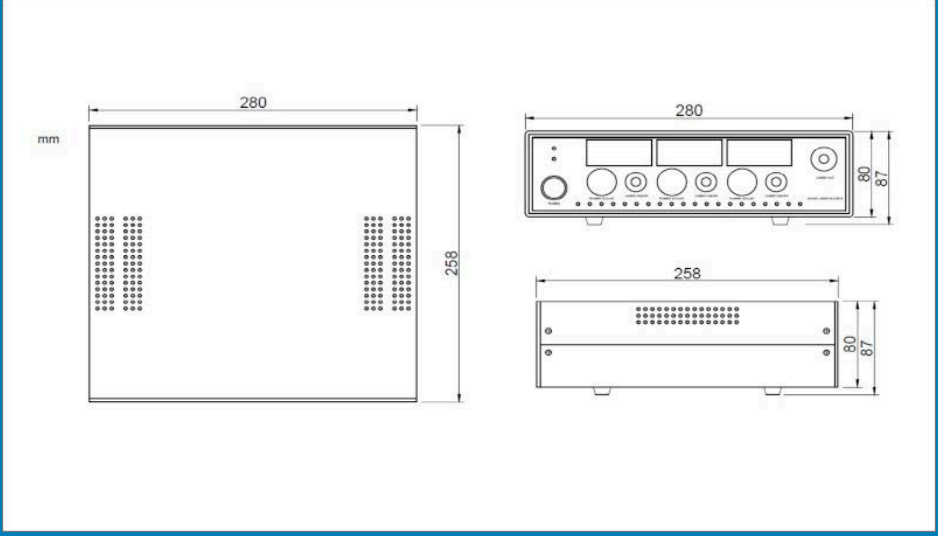
The Triplex RGB Fiber-Coupled Laser Sources combine three lasers: red (638nm), green (520nm) and blue (450nm) into one fiber to get a combined white laser output. The source is equipped with single mode fiber (SMF), 3µm core, with NA of 0.12. This unique benchtop white laser diode light source is easy 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
- Spectral Width: 2 nm (each wavelength)
- Center Wavelength Blue: 450 nm ±10 nm
- Center Wavelength Red: 520 nm ±10 nm
- Center Wavelength Green: 638 nm ±10 nm
- Fiber: Single-Mode, 3µm Core, NA 0.12

CONTROL INFORMATION

- Operating Mode: CW (Standard)
- TTL Modulation: 0 - 20 kHz
- Analog Modulation: 0 - 5 V
- Power Stability (2 Hours): 1% - 3%
- Cooling: Built-in TE Cooler for Laser Module
- Control Mode: Auto-Current Control (ACC)

PACKAGE SPECIFICATIONS

- Dimensions: 280 mm x 258 mm x 87 mm
- AC Voltage: 90V~240VAC, 50~60Hz
- DC Voltage: +7.5V
- Operating Temperature: +10°C~40°C