

Triplex - RGB Fiber Coupled White Laser Source

Features:

- RGB (638nm+520nm+450nm) Solution
- 105um Fiber (MMF)
- >80mW Power for Each Wavelength
- Output Power Adjustable
- White Laser Light Output
- Each Wavelength Controlled Independently
- 90V~240V AC Input

Applications:

- Endoscopy
- Aiming Beam
- Bioscience
- Illumination



WAVESPECTRUM can offer Triplex-RGB Fiber Coupled White Laser Source. We couple the Red (638nm), Green (520nm) and Blue (450nm) Laser into one piece of fiber to get the perfect white Laser. The Fiber Type can be Single Mode Fiber (SMF) , Multi-Mode Fiber (MMF) or Polarization Maintaining Fiber (PMF) . The fiber core can be 3um, 9um, 50um, 105um, etc. The output power can upto 200mW. By controlling proper ratio of RGB Laser, we can get the perfect white laser. Meanwhile, by adjusting the ratio, various colors of laser also can be obtained. Meanwhile, varies of RGB Wavelength Combinations are available, such as Red Laser (635nm, 650nm, 660nm, 670nm, 685nm) +Green Laser (505nm, 515nm, 520nm)+Blue Laser (405nm, 450nm, 460nm). The Triplex Source includes the Laser Module, LD Driver and TE Cooling System. It is easy to use for users, just need input 90V~240VAC can work the Laser Source. Each wavelength can be controlled independently. The TTL and Analog Modulation are optional.

WAVESPECTRUM can offer various wavelengths listed as below:: 375nm, 405nm, 445nm/450nm, 465nm, 488nm, 505nm/510nm, 515nm/520nm/525nm, 633nm, 635nm/638nm/640nm/642nm, 650nm/658nm/660nm, 670nm, 685nm/690nm, 705nm, 730nm, 755nm/760nm/770nm, 780nm/785nm, 795nm, 800nm/808nm/810nm, 820nm/830nm, 840nm/850nm/860nm, 880nm, 905nm,915nm, 940nm, 976nm/980nm, 1060nm/1064nm, 1210nm, 1270nm, 1280nm, 1290nm, 1310nm, 1330nm, 1350nm, 1370nm, 1390nm, 1410nm, 1430nm, 1450nm, 1470nm, 1490nm, 1510nm, 1530nm, 1550nm, 1570nm, 1590nm, 1610nm, 1625nm, 1650nm, 1720nm, 1900nm, 1920nm.


WAVESPECTRUM can provide a variety of laser products: single mode laser diode, multi-mode laser diode, single mode fiber coupled laser modules, polarization maintaining fiber coupled laser modules, multi-mode pigtailed laser modules, fiber detachable laser modules, RGB white fiber coupled laser module, medical laser module, turnkey fiber coupled laser system, etc. The main packages for the lasers can be: TO18 | TO5 | C-mount | TO3 | E-mount | H-mount | COS | 2-pin | 4-pin | 9-pin | 14-pin.

WAVESPECTRUM - welcome to to inquiry any time!

Pls visit our Website for more info.: <http://www.wavespectrum-laser.com.cn/index.html>

MORE CHOICES, MORE IDEAS

| Laser Diode | | Fiber Coupled Laser Module | | Fiber Receptacle LD | | Laser System | | RGB Pigttailed White Laser | | Medical Laser Module | | |
|-------------|--------|----------------------------|--------|---------------------|--------|--------------|--------|----------------------------|--------|----------------------|--------|--------|
| 375nm | 405nm | 445nm | 465nm | 488nm | 505nm | 520nm | 525nm | 635nm | 650nm | 660nm | 670nm | 680nm |
| 685nm | 760nm | 785nm | 790nm | 808nm | 830nm | 850nm | 860nm | 880nm | 905nm | 915nm | 940nm | 980nm |
| 1064nm | 1210nm | 1270nm | 1280nm | 1290nm | 1310nm | 1330nm | 1350nm | 1370nm | 1390nm | 1410nm | 1430nm | 1450nm |
| 1470nm | 1490nm | 1510nm | 1530nm | 1550nm | 1570nm | 1590nm | 1610nm | 1625nm | 1650nm | 1720nm | 1900nm | 1920nm |



WAVESPECTRUM LASER GROUP LIMITED

Email: sales@wavespectrum-laser.com.cn

Tel.: +86 22 8793 1118

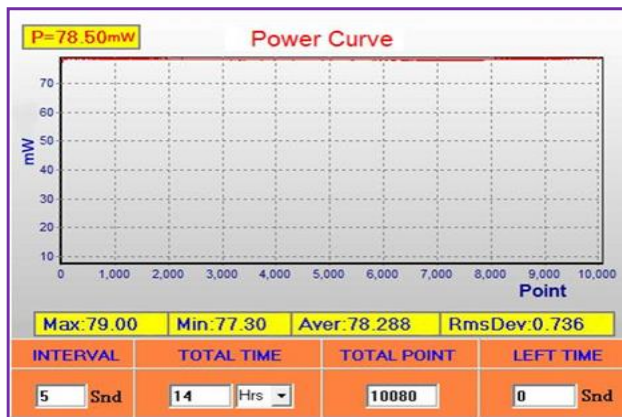
Web.: <http://en.wavespectrum-laser.com.cn>



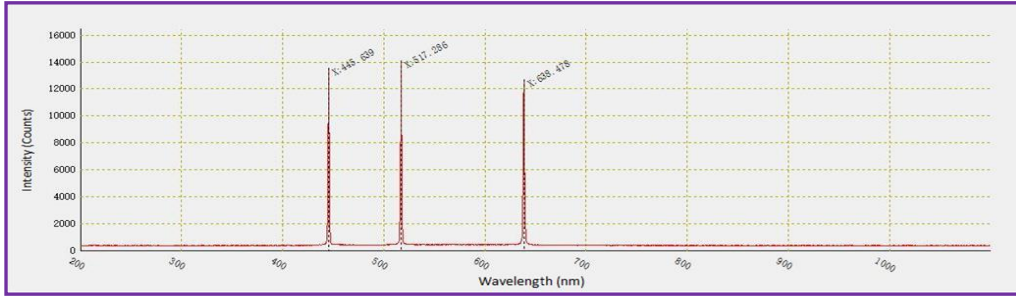
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| Specification | | Triplex-WLSL-445/080m-520/080m-635/080m-M | | |
|-------------------------------|-----------------------------|---|-------------------|-------------------|
| Typical Specification (@25°C) | | Wavelength-1 | Wavelength-2 | Wavelength-3 |
| Optical Specifications | Central Wavelength | 450nm±10nm | 520nm±10nm | 638nm±10nm |
| | Output Power (CW) | 0~80mW Adjustable | 0~80mW Adjustable | 0~80mW Adjustable |
| | Spectral Width(FWHM) | 2nm | 2nm | 2nm |
| | Laser Type | FP | | |
| Fiber Specifications | Fiber Core | 105um (50um, 200um Optional) | | |
| | N.A. | 0.22 | | |
| | Fiber Type | Multi-Mode Fiber | | |
| | Fiber Length | >80cm | | |
| | Fiber Connector | FC/SMA905/SC/ST | | |
| Control Data | Operation Mode | CW (Standard) | | |
| | | 0~20KHz TTL Modulation (Optional) | | |
| | | 0~5V Analog Modulation (Optional) | | |
| | Power Stability (for 2 hrs) | 1% (Min.) | ---- | 3% (Max.) |
| | Cooling | Built in TE Cooling | | |
| | Control Mode | Auto-Current Control (ACC) | | |
| Environmental Conditions | Operation Temperature | +10°C ~ 40°C | | |
| | Storage Temperature | -20°C ~ 60°C | | |
| | Preheating Time | < 5 mins. | | |
| Power Supply | AC (Standard) | 90V ~ 240VAC, 50 ~ 60Hz | | |
| | DC (Optional) | +7.5V | | |
| Case Model | TYPE | A-200 | | |
| Accessory | Collimator | Optional | | |
| | Laser Safety Goggles | Optional | | |

◆ Power Stability



◆ Spectrum Graph:



Dimension Drawing: (Unit :mm)

A-200: 280mm*258mm*87mm

