

## Triplex - RGB Fiber Coupled White Light Laser System

### Features:

- RGB (638nm+520nm+450nm) Solution
- 9um Fiber (SMF-28)
- >50mW Power for Each Wavelength
- Output Power Adjustable
- White Color Laser Output
- Controlled Independently for Each Wavelength
- 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 optioanl.

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 inquiry any time!

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

### MORE CHOICES, MORE IDEAS

												
<b>Laser Diode</b>	<b>Fiber Coupled Laser Module</b>	<b>Fiber Detachable Laser Module</b>	<b>Laser System</b>	<b>RGB Pigttailed White Laser</b>	<b>Medical Laser Module</b>							
375nm	395nm	405nm	410nm	445nm	460nm	465nm	473nm	480nm	488nm	495nm	505nm	520nm
525nm	633nm	635nm	638nm	640nm	650nm	660nm	670nm	680nm	685nm	690nm	705nm	730nm
760nm	785nm	790nm	808nm	830nm	850nm	860nm	880nm	905nm	915nm	940nm	960nm	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

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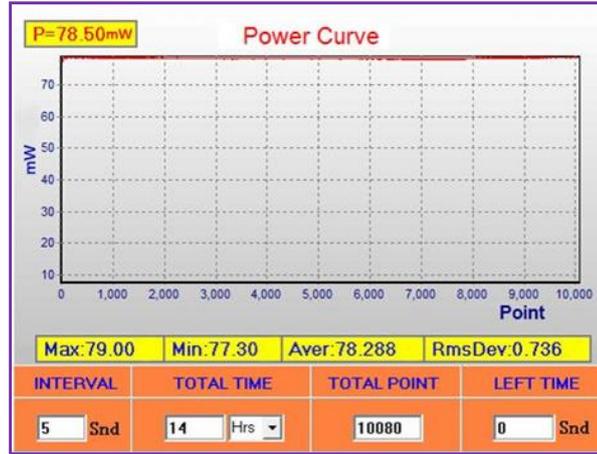


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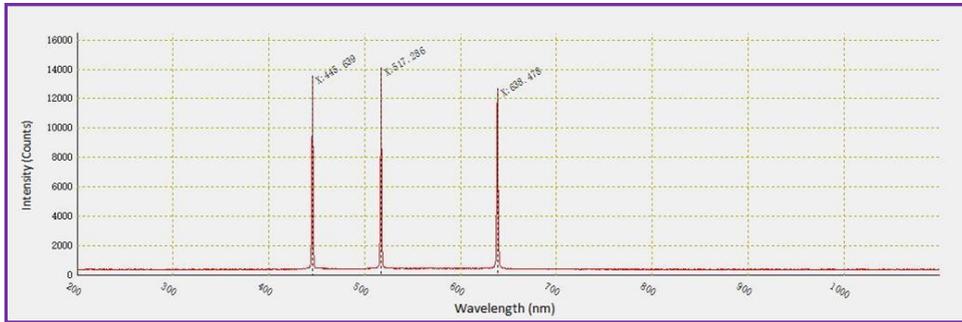
Specification		Triplex-WLSL-RGB-050m-9		
Typical Specification (@25C°)		Wavelength-1	Wavelength-2	Wavelength-3
Optical Specifications	Central Wavelength	450nm±10nm	520nm±10nm	638nm±10nm
	Output Power (CW)	0~50mW Adjustable	0~50mW Adjustable	0~50mW Adjustable
	Spectral Width(FWHM)	2nm	2nm	2nm
	Laser Type	FP		
Fiber Specifications	Fiber Core	9um		
	N.A.	0.12		
	Fiber Type	SMF-28		
	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		
Environmental Conditions	Control Mode	Auto-Current Control (ACC)		
	Operation Temperature	+10°C ~ 40°C		
	Storage Temperature	-20°C~60°C		
Power Supply	Preheating Time	< 5 mins.		
	AC (Standard)	90V~240VAC, 50~60Hz		
Case Model	DC (Optional)	+7.5V		
	NO.	A-200		
Accessory	Collimator	Optional		
	Laser Safety Goggles	Optional		



### Power Stability



### Spectrum Graph :



### Dimension Drawing: (Unit :mm)

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

