

Triplex - RGB Fiber Coupled White Laser Source

Features:

- RGB (638nm+520nm+450nm) Solution
- 3um Single Mode Fiber
- >20mW Power for Each Wavelength
- Output Power Adjustable
- Perfect White 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 be up to 200mW. By controlling the proper ratio of RGB Laser, we can get the perfect white laser. Meanwhile, by adjusting the ratio, various colors of laser can also be obtained. Meanwhile, various 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 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

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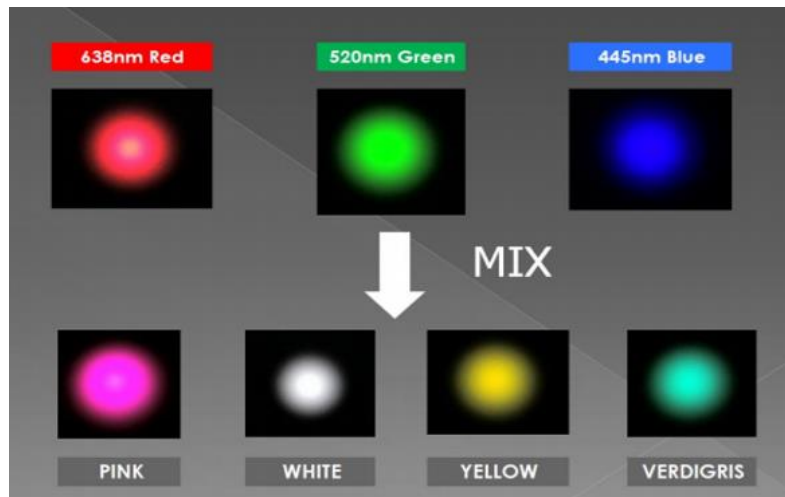
Tel.: +86 22 8793 1118

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

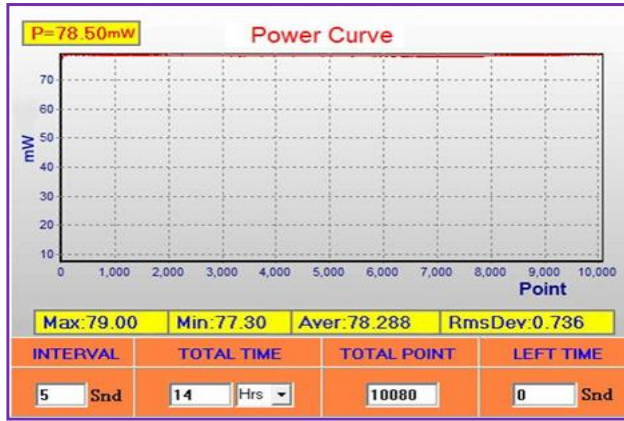
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Specification		Triplex-WLSL-445/020m-520/020m-635/020m-4		
Typical Specification (@25C°)		Wavelength-1	Wavelength-2	Wavelength-3
Optical Specifications	Center Wavelength	450nm±10nm	520nm±10nm	638nm±10nm
	Output Power (CW)	0~20mW Adjustable	0~20mW Adjustable	0~20mW Adjustable
	Spectral Width(FWHM)	2nm	2nm	2nm
	M ² Value	<1.3	<1.3	<1.3
	Beam Type	Gaussian Beam		
	Laser Type	FP		
Fiber Specifications	Fiber Core	3um		
	N.A.	0.12		
	Fiber Type	Single 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		

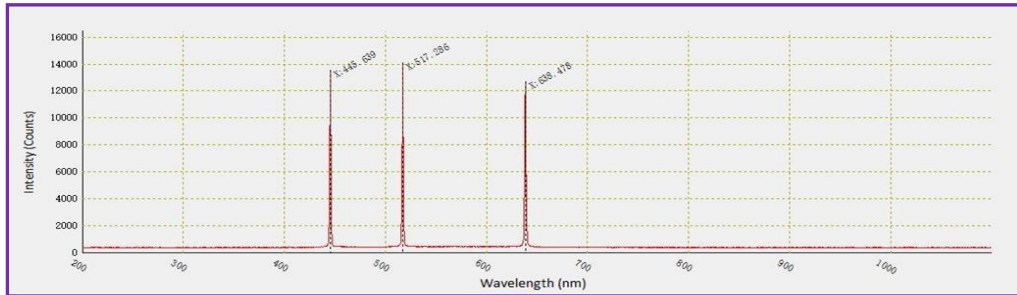
Laser Beam with 3um SM Fiber:



◆ Power Stability



◆ Spectrum Graph:



Dimension Drawing: (Unit :mm)

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

