



FLC1080 Series 1080nm CW Fiber Laser up to 20000mW

Overview

The FLC1080 series all fiber continuous wave laser is ideal for applications that require a wavelength of 1080nm and output power levels up to 20W. The laser is constructed with features of high power, air-cooled, ultra-compact design, long lifetime, cost effectiveness, and easy operation. It is commonly used in laser radar, life science, material processing, microelectronics, scientific research, and many other applications.

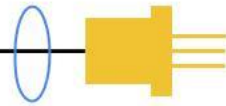


Specifications

Model No.	FLC1080-XZ	
Wavelength (nm)	1080±2	
Operating mode	CW or Modulated	
Output power (mW)	~3000 (X=3W), ~5000 (X=5W), ~10000 (X=10W), ~15000 (X=15W), ~20000 (X=20W)	
Power stability (rms, over 4 hours)	<3% (Z=E), <1% (Z=D)	
Delivery fiber length (m)	2-5	
Output fiber termination	Collimator	
Beam diameter (mm, 1/e ²)	6±1	
M ² factor	<1.5	
Polarization state	Random	
Warm-up time (minutes)	<15	
Operating temperature (°C)	15-35	
Cooled method	Air cooled	
Laser for Output power 1-10W	Input voltage	220V AC
	Dimensions	247(L) x200(W) x65(H) mm ³
	Weight	3.5 kg
Laser for Output power 10-20W	Input voltage	220V AC
	Dimensions	483(L) x411(W) x101(H) mm ³
	Weight	5.0 kg
Expected lifetime (hours)	10,000	
Warranty	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

Remarks:

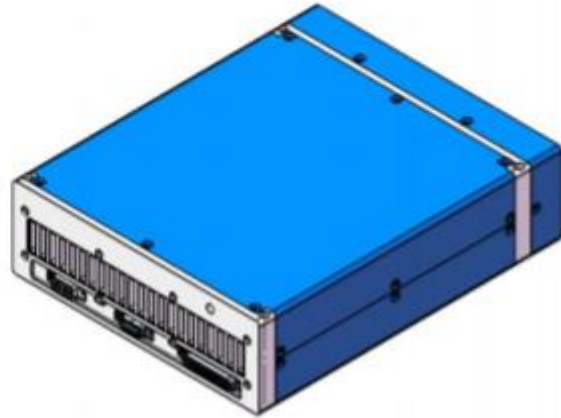
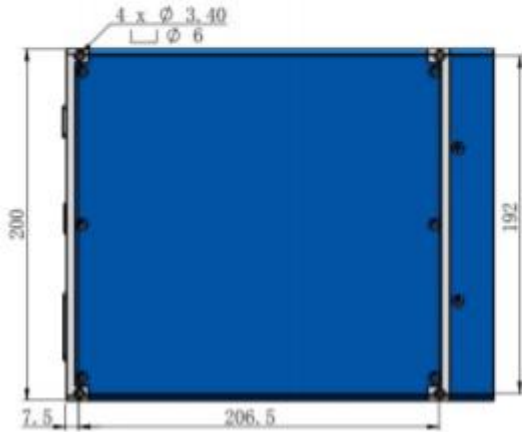
- The fiber lasers are designated solely as OEM components for incorporation into the customer's end products. It is the customer's responsibility to comply with FDA requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser products. For the code of FDA regulations, please refer to [FDA Performance Standards for Light-Emitting Products](#) for detailed information.



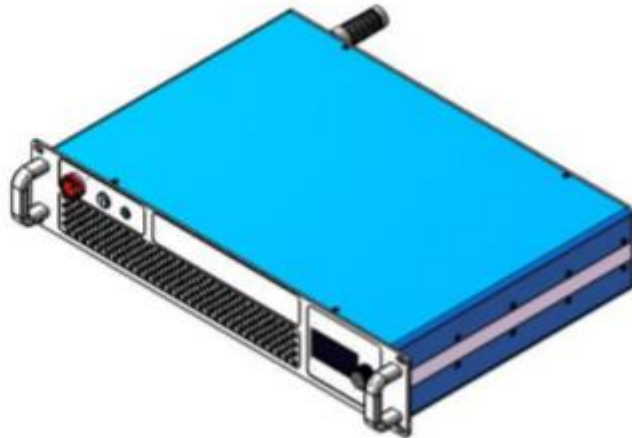
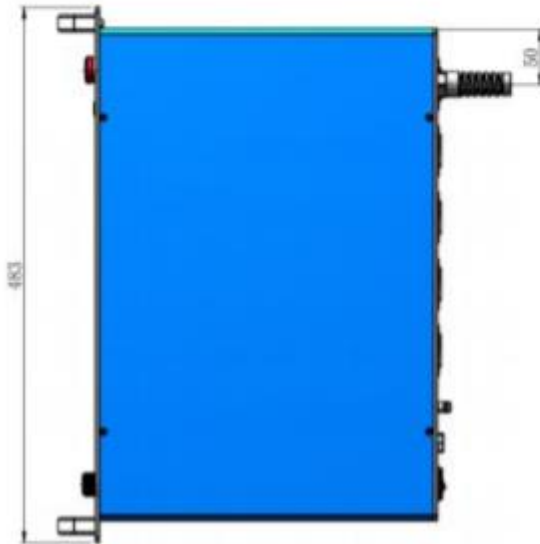
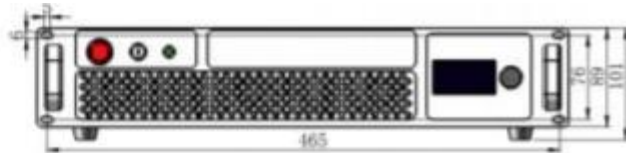
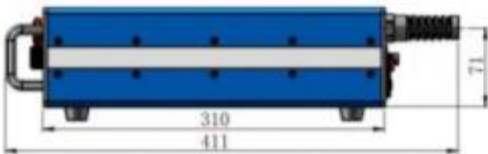
Outline Dimensions (unit: mm)

Laser

Laser for Output Power 1-10W



Laser for Output Power 10-50W



Note: The above specifications are subject to change without notice.