

MSL-W-457/500~2000mW

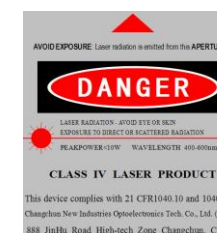
### SINGLE LONGITUDINAL MODE BLUE LASER AT 457 nm

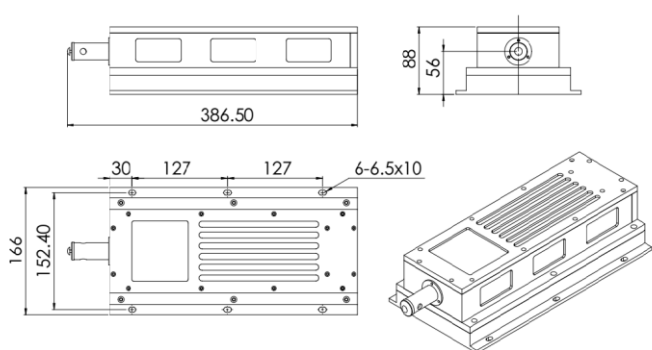
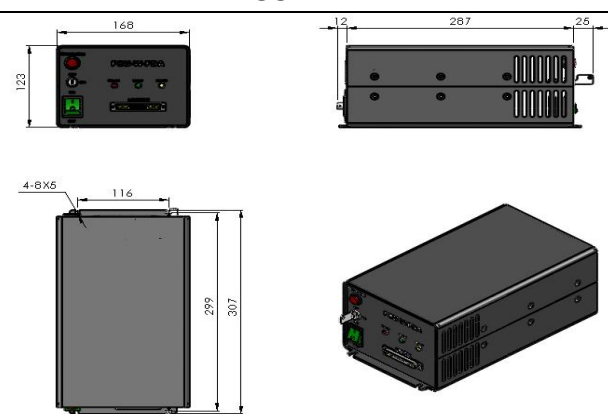

CNI's All solid state single longitudinal mode blue laser at 457nm features ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc



#### SPECIFICATIONS

Wavelength (nm)	457±1
Output power (mW)	>500, 600, ..., 2000
Transverse mode	TEM <sub>00</sub>
Operating mode	CW
Longitudinal mode Single	Single
Spectral linewidth (nm)	<0.00001
Power stability (rms, over 4 hours)	<3%, <5%
Noise of amplitude (rms, 20Hz~20MHz)	<1%
M <sup>2</sup> factor	<1.2
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<2.0
Pointing stability after warm-up (mrad)	<0.05
Polarization ratio	>100:1
Warm-up time (minutes)	<10
Beam height from base plate (mm)	56
Operating temperature (°C)	20~30
Cooled method	Water cooled
Power supply (90-264VAC)	PSU-W-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MSL-W-457	PSU-W-FDA	Water Chiller
 <p>386(L) × 166(W) × 88(H) mm<sup>3</sup>, 5.7kg</p>	 <p>307(L) × 168(W) × 123(H) mm<sup>3</sup>, 4.5 kg</p>	 <p>280(L) × 230(W) × 380(H) mm<sup>3</sup>, 18 kg</p>