

MSL-RA-457/1~1000mW

### SINGLE LONGITUDINAL MODE BLUE LASER AT 457 nm

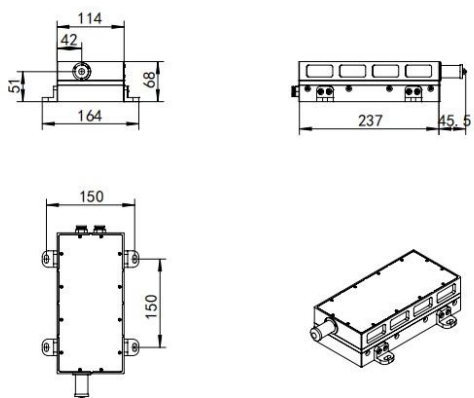
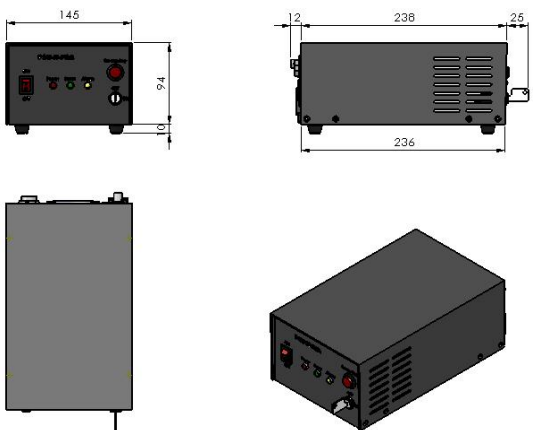
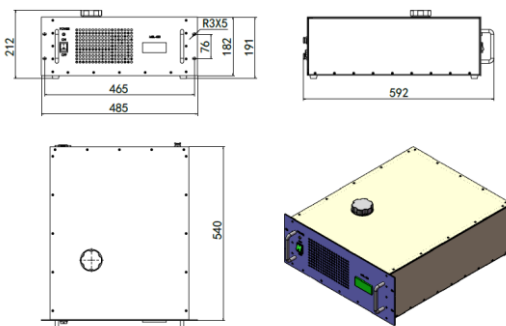
CNI's All solid state single longitudinal mode blue laser at 457nm features ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment,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



#### SPECIFICATIONS

Wavelength (nm)	457±1
Output power (mW)	>1, 10, ..., 1000
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%
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<2.0
Beam divergence, full angle (mrad)	<1.5
M <sup>2</sup> factor	<1.2
Pointing stability after warm-up (mrad)	<0.05
Polarization ratio	>100:1
Warm-up time (minutes)	<10
Beam height from base plate (mm)	51
Operating temperature (°C)	20~30
Cooled method	Water cooled
Power supply (90-264VAC)	PSU-H-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MSL-RA-457	PSU-H-FDA	Water Chiller
 <p>140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 4kg</p>	 <p>275 (L) × 146(W) × 104 (H) mm<sup>3</sup>, 2.4 kg</p>	 <p>592 (L) × 485(W) × 212(H) mm<sup>3</sup>, 15kg</p>