

MSL-RA-589/ 1~500mW

**SINGLE LONGITUDINAL MODE RED LASER AT 589 nm**

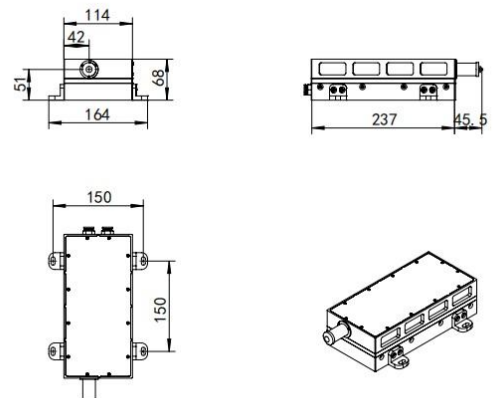
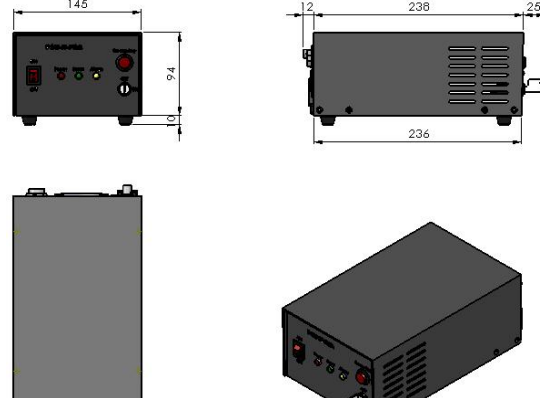
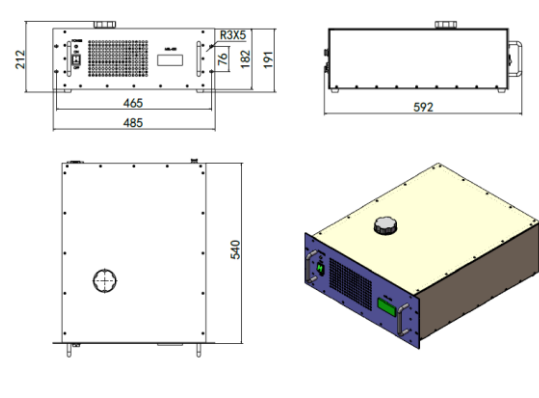
CNI's All solid state single longitudinal laser at 589nm features ultra compact, long lifetime and easy operating, they are used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	589 ± 1
Output power (mW)	>1, 10, ..., 500
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-589	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>