

MLL-N-457/1000~1500mW



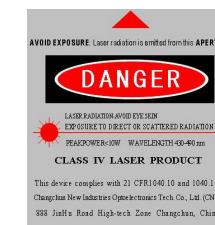
**LD PUMPED ALL-SOLID-STATE
LOW NOISE BLUE LASER**

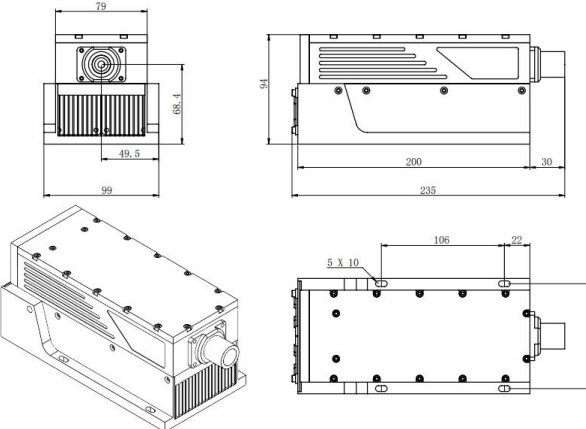
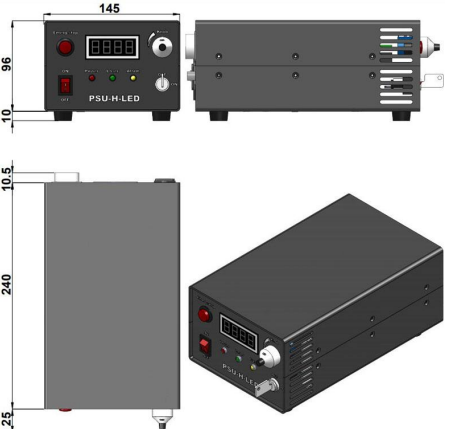
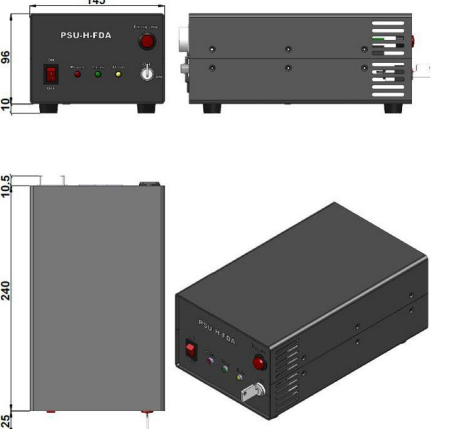
All solid state low noise 457 nm blue laser is made features of ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

Model	MLL-N-457
Wavelength (nm)	457±1
Operating mode	CW
Output power (mW)	>1000, 1100, 1200..., 1500
Power stability (rms, over 4 hours)	<5%, <3%, <1%
Transverse mode	TEM ₀₀
Noise of amplitude (rms, 1~20MHz)	<3%, <1%
M ² factor	<1.5
Beam divergence, full angle (mrad)	<1.2
Beam diameter at the aperture (1/e ² , mm)	~2.0
Warm-up time (minutes)	<10
Polarization ratio	>50:1(>100:1 optional)
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	68.4
Operating temperature (°C)	20~30
Power supply (100-240VAC)	PSU-H-LED/PSU-H-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Expected lifetime (hours)	10000
Warranty period	1 year



MLL-N-457	PSU-H-LED	PSU-H-FDA
 <p>235 (L) × 99 (W) × 94 (H) mm³, 2.6 kg</p>	 <p>275.5 (L) × 145 (W) × 106 (H) mm³, 2.5 kg</p>	 <p>275.5 (L) × 145 (W) × 106 (H) mm³, 2.5 kg</p>