

MLL-F-454/800~2000mW



**LOW NOISE BLUE DIODE  
LASER AT 454nm**

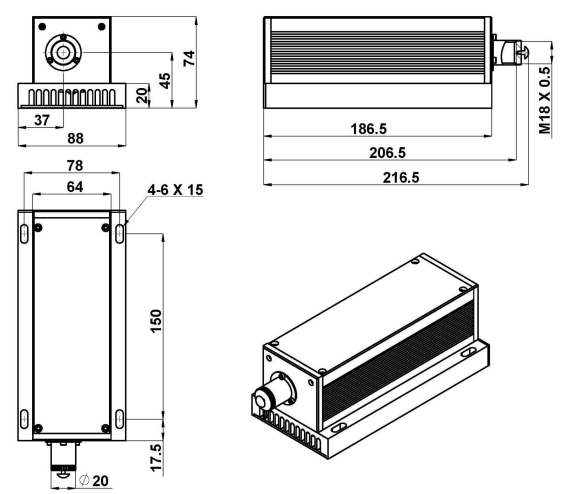
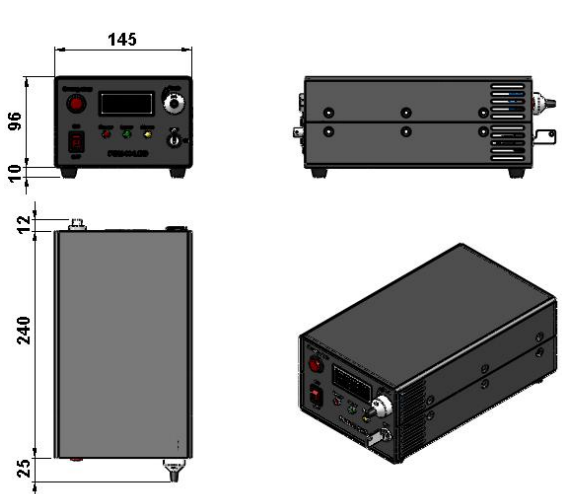
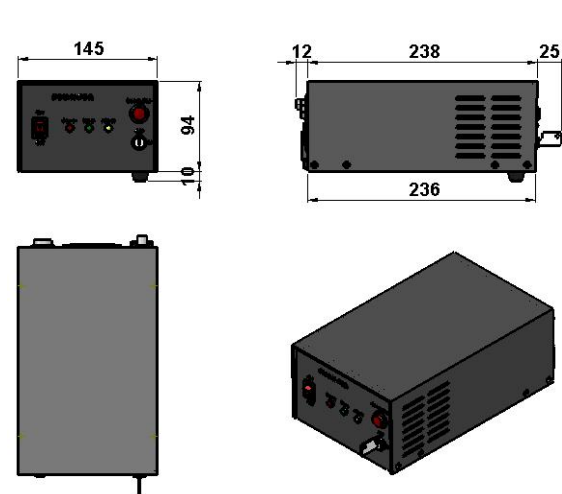
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, biomedical applications, ect.



SPECIFICATIONS

Central wavelength (nm)	454±5
Operating mode	CW
Output power (mW)	>800, 1000, 1200, ...,2000
Power stability (rms, over 4 hours)	<1%, <2%, <3% (<0.5%, optional)
Transverse mode	Multimode
Noise of amplitude(rms,20Hz~20MHz)	<1%
Beam diameter at the aperture ((1/e <sup>2</sup> ,mm)	~2.7×2.7
Beam divergence, full angle (mrad)	1.4×0.2
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
Beam height from base plate (mm)	45
Operating temperature (°C)	10~35
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	1 year



MLL-F-454	PSU-H-LED	PSU-H-FDA
 <p>216.5 (L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.4kg</p>	 <p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.3kg</p>	 <p>275 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.1kg</p>