

MDL-F-442/1000~3500mW

SPECIFICATIONS



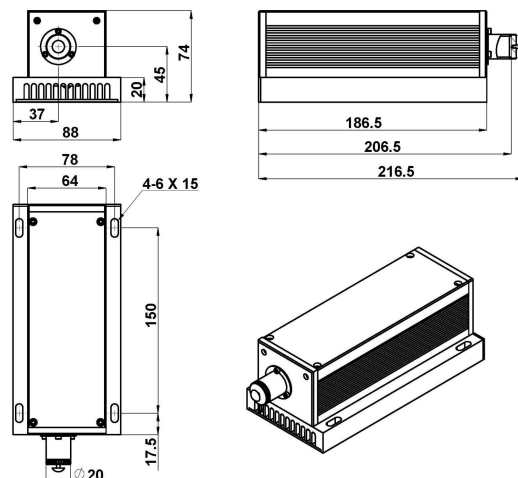
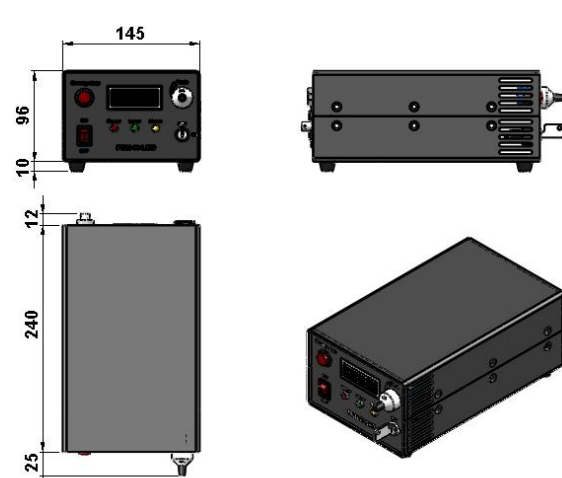
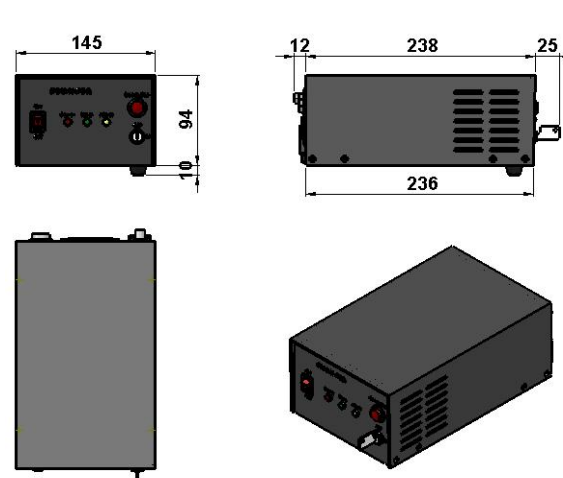
**BLUE DIODE LASER  
AT 442nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, communication, spectrum analysis, etc.



Central wavelength (nm)	442±5
Operating mode	CW
Output power (mW)	>1000, 1500, 2000, ...,3500
Power stability (rms, over 4 hours)	<3%, <2%, <1%, <0.5%
Transverse mode	Multimode
Beam diameter at the aperture ((1/e <sup>2</sup> ,mm)	~3.0×3.5
Beam divergence, full angle (mrad)	~2.5×0.5
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
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz; and Analog modulation optional
Expected lifetime (hours)	10000
Warranty	1 year



MDL-F-442	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>