

MDL-F-442/1000-4000mW

SPECIFICATIONS

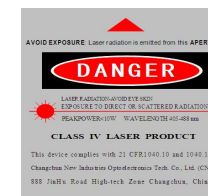


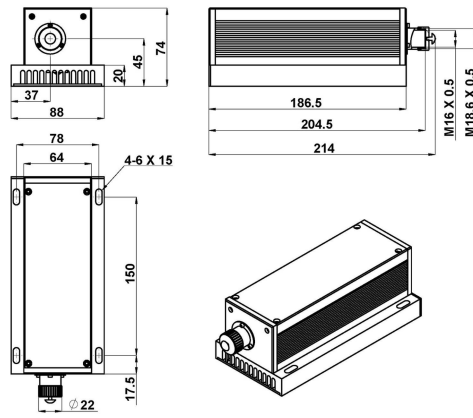
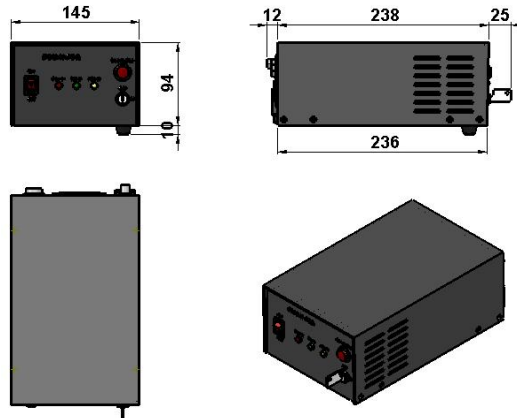
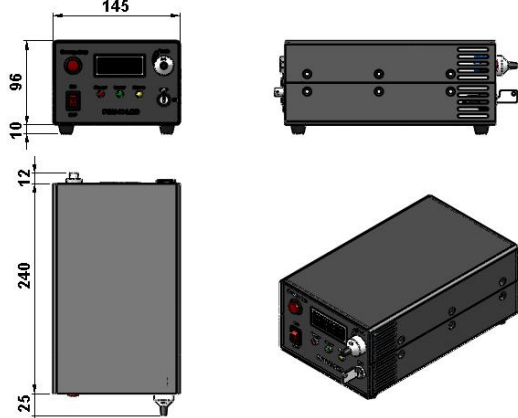
BLUE DIODE LASER
AT 442nm

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) ¹	1000-2000	2000-4000
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%	
Transverse mode	Multimode	
Beam diameter at the aperture (1/e ² , mm)	~2.7×2.7	~3.5×3.5
Beam divergence, full angle (mrad)	1.4×0.2	1.4×0.2
Warm-up time (minutes)	<5	
Cooled method	Air cooled	
Beam height from base plate (mm)	45	
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	



LASER HEAD	POWER SUPPLY (PSU-H-FDA) ²	POWER SUPPLY (PSU-H-LED) ³
 214 (L) × 88 (W) × 74 (H) mm³, 1.4kg	 275 (L) × 145 (W) × 104 (H) mm³, 2.1kg	 277 (L) × 145 (W) × 106 (H) mm³, 2.3kg

1 Any power level can be selected in this range.

2 Fixed output power; Modulation up to 30kHz.

3 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.