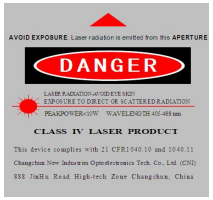
MLL-F-445/1000-4000mW

LOW NOISE BLUE DIODE LASER AT 445nm

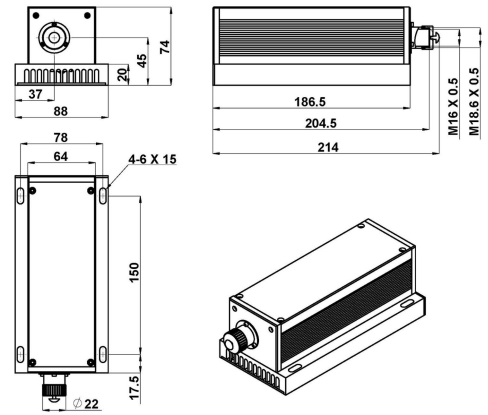
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, communication, spectrum analysis, etc.

SPECIFICATIONS

Central wavelength (nm)	445±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	
Noise of amplitude (rms, 20Hz-20MHz)	<1%, <0.5%	
Beam diameter at the aperture (1/e², 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	

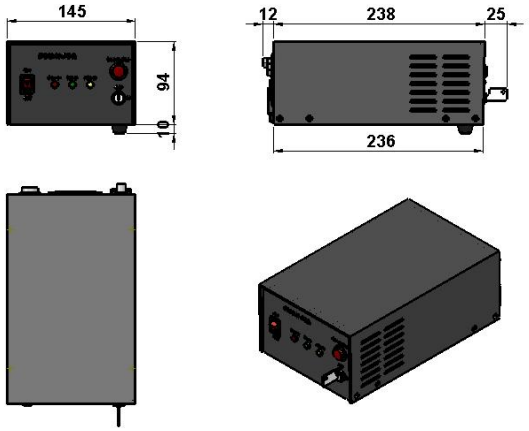


LASER HEAD



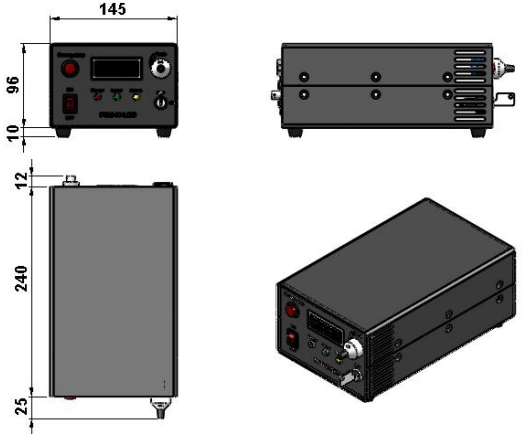
214 (L) ×88 (W) ×74 (H) mm³, 1.4kg

POWER SUPPLY (PSU-H-FDA)[2]



275 (L) ×145 (W) ×104 (H) mm³, 2.1kg

POWER SUPPLY (PSU-H-LED)[3]



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.

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