

MLL-F-445/447/450/1000~3500mW



**LOW NOISE BLUE DIODE LASER AT 445/447/450nm**

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



SPECIFICATIONS

Model	MLL-F-445	MLL-F-447	MLL-F-450
Central wavelength (nm)	445±5	447±5	450±5
Operating mode	CW		
Output power (mW)	>1000, 1100, 1200, ...,2000		>2000, 2100, 2200, ...,3500
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		~3.5×3.5
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		

