

MLL-III-445/1~1000mW

LOW NOISE BLUE DIODE LASER AT 445 nm

Low noise blue diode laser module at 445 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used industry and scientific research.



SPECIFICATIONS

Wavelength (nm)	445±5		
Operating mode	CW		
Output power (mW)	>1,2, ...,50	>50,60, ...,500	>500,600, ...,1000
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Transverse mode	Near TEM ₀₀	Multimode	Multimode
Noise of amplitude(rms,20Hz~20MHz)	<1%		
M ² factor	<1.5 (<1.2, optional)	<5	<5
Beam diameter at the aperture ((1/e ² ,mm)	~2.5 (~1.0, optional)	<2.5×5.2	<2×5
Beam divergence, full angle (mrad)	<1	<2.1×1.6	<2.5×0.2
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)		
Warm-up time (minutes)	<5		
Beam height from base plate (mm)	24.8		
Operating temperature (°C)	10~35		
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA		
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional		
Expected lifetime (hours)	10000		
Warranty	1 year		

