

MLL-III-454/90~800mW

LOW NOISE BLUE DIODE LASER AT 454nm

Low noise blue diode laser module at 454nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in laser projection, stage lighting, biomedical applications, metrology, etc.



SPECIFICATIONS

Wavelength (nm)	454±5	
Operating mode	CW	
Output power (mW)	>90,100,...,500	>600,650,...,800
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Multimode	
Noise of amplitude(rms,20Hz~20MHz)	<1%	
Beam diameter at the aperture ((1/e ²),mm)	<2.5×5.2	<2×5
Beam divergence, full angle (mrad)	<2.1×1.6	<2.5×0.2
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	

