

Opto Engine LLC

Data sheet

Rev. 1709

MDL-III-470/1~800mW



BLUE DIODE LASER AT 470nm

Blue diode laser module at 470nm 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)	470±5	
Operating mode	CW	
Output power (mW)	>1,100,...,500	>500,600,...,800
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Multimode	
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	



MxL-III-470	PSU-III-LED	PSU-III-FDA
<p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>