

MDL-III-445/447/450/80~1000mW

### BLUE DIODE LASER AT 445/447/450 nm

Blue diode laser module at 445/447/450nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



### SPECIFICATIONS

Model	MDL-III-445	MDL-III-447	MDL-III-450
Wavelength (nm)	445±5	447±5	450±5
Operating mode	CW		
Output power (mW)	>80,90,...,500		>500,600,...,1000
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Transverse mode	Multimode		
Beam diameter at the aperture ((1/e <sup>2</sup> ),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-445/447/450	PSU-III-LED	PSU-III-FDA
<p>143.5(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm<sup>3</sup>, 1.2kg</p>