

MDL-III-445/1~1000mW

**BLUE DIODE LASER  
AT 445nm**

Diode laser module at 445 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



**SPECIFICATIONS**

Wavelength (nm)	445±5	
Output power (mW)	>1, 10, 20, ...,500	>500, 600, ...,1000
Transverse mode	Near TEM <sub>00</sub>	
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<1.5	<3.0×0.5
Dimensions of beam at the aperture (mm)	~5	~2×4
Beam height from base plate (mm)	24.8	
Pointing stability after warm-up (mrad)	<0.05	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-III-LED	PSU-III-FDA
Modulation option	TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-III-445	PSU-III-LED	PSU-III-FDA
 <p>139(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.6kg</p>	 <p>153 (L) ×155(W) ×92 (H) mm<sup>3</sup>, 1.5kg</p>	 <p>133 (L) ×130(W) ×65 (H) mm<sup>3</sup>, 1.2kg</p>
		