

MDL-III-445/80~1000mW

**BLUE DIODE LASER
AT 445 nm**

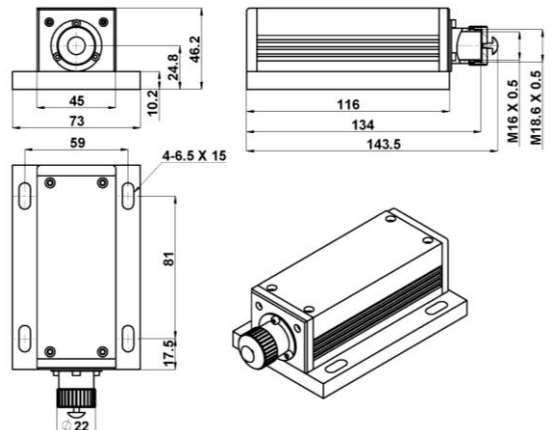
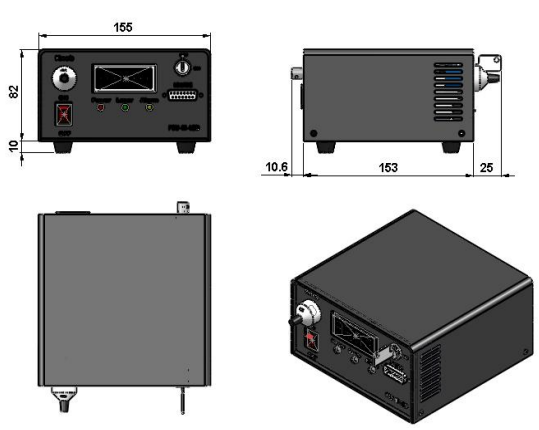
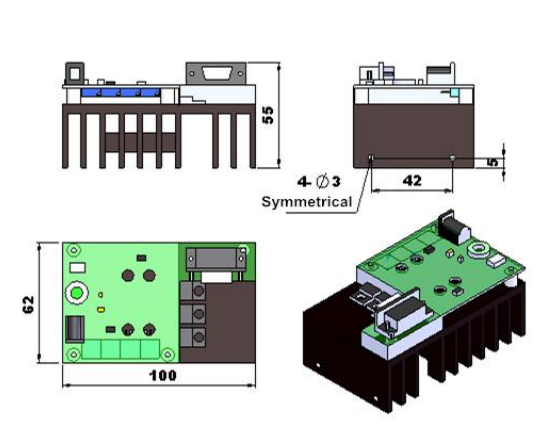
Blue diode laser module at 445 nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Model	MDL-III-445	
Wavelength (nm)	445±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 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/ PSU-III-OEM	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-445	PSU-III-LED	PSU-III-OEM
 <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>100 (L) ×62 (W) ×55 (H) mm³, 0.3kg</p>