

MDL-III-460L /1~80mW

BLUE DIODE LASER AT 460nm

Blue diode laser module at 460nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in laser projection, stage lighting, biomedical applications, metrology, etc.



SPECIFICATIONS

Wavelength (nm)	460±10	
Operating mode	CW	
Output power (mW)	>1, 10, 20, ..., 80	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM ₀₀	
M ² factor	<1.5	
Beam diameter at the aperture (1/e ² ,mm)	~2.5	
Beam divergence, full angle (mrad)	<1	
Polarization ratio	>50:1 (>100:1, optional) Horizontal ±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
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-460L	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>