



Your source for high quality, affordable lasers

DATA SHEET

UV LASER AT 375nm

UV laser module at 375nm is made features of ultra-compact, long lifetime, cost-effectiveness and easy operating, which is used in medical imaging, flow cytometry, DNA sequencing, etc.

Model: MDL-III-375L / 1~50mW

Wavelength (nm)	375 ± 5nm	
Operating mode	CW	
Output power (mW)	>1, 10, 20, ... 50	
Transverse mode	Near TEM ₀₀	
M ² factor	<1.5	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<5	
Beam divergence, full angle (mrad)	<0.5	
Beam diameter at the aperture (1/e ² , mm)	~3.0	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)	
Operating temperature (°C)	10~35	
Power supply (85-264VAC)	PSU-III-LED	PSU-III-FDA
Modulation	TTL or Analog, Optional	
Expected lifetime (hours)	10,000	
Warranty period	1 year	



MxL-III-375L	Laser Head Dimensions	PSU-III-LED	PSU-III-FDA
	<p>143.5(L) × 73(W) × 46.2(H) mm³, 0.7kg</p>	<p>188(L) × 155(W) × 92(H) mm³, 1.5kg</p>	<p>171(L) × 130(W) × 62.2(H) mm³, 1.2kg</p>