



Your source for high quality, affordable lasers

DATA SHEET



BLUE DIODE LASER AT 488nm

Diode 488nm blue laser features of ultra-compact, long lifetime, cost-effectiveness and easy operating. These lasers can be used in medical imaging, flow cytometry, DNA sequencing, etc.



Model: MDL-III-488/50~150mW

Wavelength (nm)		488 ± 5nm
Operating mode		CW
Output power (mW)		>50, 60, ..., 150
Power stability (rms, over 4 hours)		<1%, <2%, <3%
Transverse mode		Near TEM ₀₀
M ² factor		<1.5
Beam diameter at the aperture (1/e ² , mm)		~3.0
Beam divergence, full angle (mrad)		~1.0
Polarization ratio		>50:1 (>100:1, optional), Horizontal ± 5 degree (Vertical optional)
Beam height from base plate (mm)		24.8
Warm-up time (minutes)		<5
Operating temperature (°C)		10~35
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 11Hz-30kHz)
	100~240VAC	PSU-A-D (Frequency for 30kHz-100kHz)
TTL/Analog modulation		TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz, optional
Expected lifetime (hours)		10,000
Warranty period		1 year

Laser Head (MDL-III-488)	PSU-III-LED	PSU-III-FDA	PSU-A-D
<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>	<p>162(L)×144(W)×70(H) mm³, 1.0kg</p>