

MDL-III-488L/1~50mW



BLUE DIODE LASER AT 488nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in medical imaging, flow cytometry, DNA sequencing, etc.



SPECIFICATIONS

Central wavelength (nm)		488±5
Operating mode		CW
Output power (mW)		>1, 10, 20, ..., 50
Power stability (rms, over 4 hours)		<3%, <2%, <1%, <0.5%
Transverse mode		Near TEM ₀₀
M ² factor		<2.0 (<1.5 optional)
Beam diameter at the aperture (1/e ² ,mm)		~3.5 (~1.5 optional)
Beam divergence, full angle (mrad)		~1.0
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 (Frequency for 1Hz-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)		10000
Warranty		1 year



MDL-III-488L	PSU-III-LED	PSU-III-FDA	PSU-A-D
143.5(L)×73(W)×46.2(H) mm³, 0.7kg	188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg	171(L) ×130(W) ×62.2 (H) mm³, 1.2kg	162(L) ×144(W) ×70 (H) mm³, 1.0kg