



MLL-W-473/400-2000mW



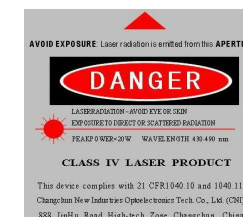
LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state 473nm low noise blue laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in DNA sequencing, flow cytometry, cell sorting, instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiments etc.



SPECIFICATIONS

Model	MLL-W-473A	MLL-W-473-Water
Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW) ¹	400-2000	400-2000
Power Stability (rms, 4 hours ± 3°C)	<5%, <3%, (<2% optional)	<3%, <2%, (<1% optional)
Transverse mode	TEM ₀₀	
Noise of amplitude(rms, 20Hz-20MHz)	<3%	
M ²	<1.3	
Beam divergence, full angle (mrad)	~1.0	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Warm-up time (minutes)	<10	
Pointing Stability(urad) (over 2 hours after warm-up and ±3°C)	<50	
Pointing Stability Over Temperature (urad/°C)	<20	
Polarization ratio	>50:1(100:1 optional) , Horizontal(Vertical optional)	
Cooled method	Air Cooled	Water Cooled
Beam height from base plate (mm)	80	85
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-W-LED	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	



LASER HEAD (MLL-W-473A)	LASER HEAD (MLL-W-473-Water)	POWER SUPPLY	WATER CHILLER (WCH-580)
305 (L) × 120 (W) × 103 (H) mm³, 5.4 kg	300(L) × 112 (W) × 113 (H) mm³, 5.0 kg	301.5 (L) × 185 (W) × 114 (H) mm³, 3.0 kg	369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg

¹ Any power level can be selected in this range.