



MLL-K-355/ 50-500mW

LOW NOISE ULTRAVIOLET LASER
AT 355nm

MLL-K DPSS laser for Ti:Sa pumping up to 500mW, continuous output, TEM₀₀ beam profile, high stabilized and extra low noise.



SPECIFICATIONS

Model	MLL-K-355
Wavelength (nm)	355±1
Operating mode	CW
Output power (mW) ¹	50-500
Power Stability (rms, 4 hours ± 3°C)	<2%, <1%, (<0.5% optional)
Transverse mode	TEM ₀₀
Spectral linewidth (nm)	<0.03
Noise of amplitude (rms, 20Hz-20MHz)	<0.2%
M ²	<1.1
Beam divergence, full angle (mrad)	~1.5
Beam diameter at the aperture (1/e ² , mm)	~1.0
Warm-up time (minutes)	<10
Pointing Stability(μrad) (over 2 hours after warm-up and ±3°C)	<50
Pointing Stability Over Temperature (μrad/°C)	<20
Polarization ratio	>50:1 (>100:1 optional), Horizontal (Vertical optional)
Beam height from base plate (mm)	94
Cooled method	Water Cooled
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Operating temperature (°C)	10-35
Operating voltage (VDC)	24V/31.3A
Expected lifetime (hours)	>10000



LASER HEAD	POWER SUPPLY PSU-24 (100-240VAC) optional	WATER CHILLER (WCH-580)
<p>430 (L) × 170 (W) × 124 (H) mm³</p>	<p>250 (L) × 127 (W) × 41 (H) mm³</p>	<p>369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg</p>

¹ Any power level can be selected in this range.