MLL-K-355/ 50-500mW

LOW NOISE ULTRAVIOLET LASER AT 355nm

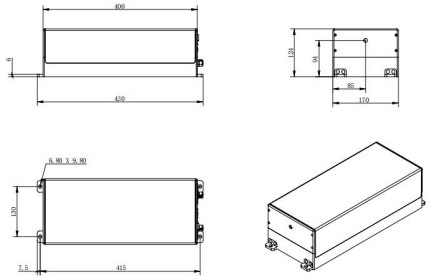
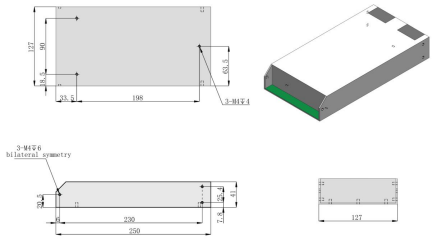
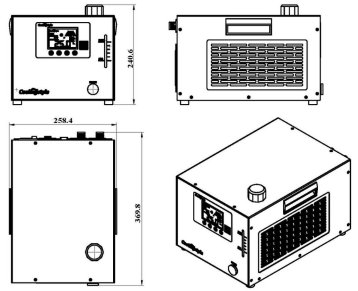
The MLL-K-355 series consists of low-noise, continuous-wave UV DPSS lasers that emit a 355 nm fundamental-mode Gaussian beam with a power range of 50 to 500 mW. These lasers are suitable as UV fluorescence excitation sources and are widely used in flow cytometry, semiconductor particle and defect detection, photochemical research, and the integration into various scientific optical instruments.

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/e2, mm)	~1.0
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)
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)
		
430 (L) ×170 (W) ×124 (H) mm³	**250 (L) ×127 (W) ×41 (H) mm³**	**369.8 (L) ×258.4 (W) ×240.6 (H) mm3, 10.5 kg**

1 Any power level can be selected in this range.