MSL-T-XXX Series (300-700nm)



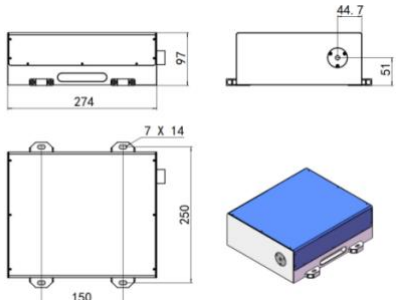
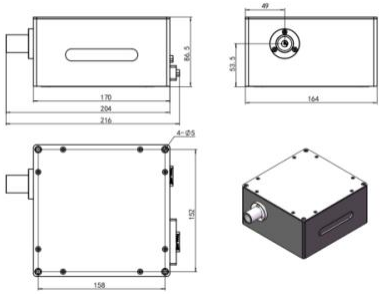
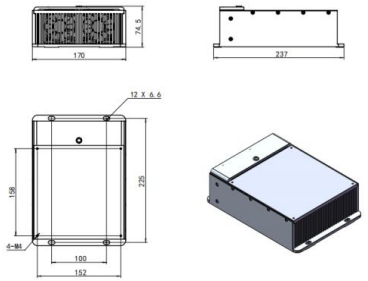
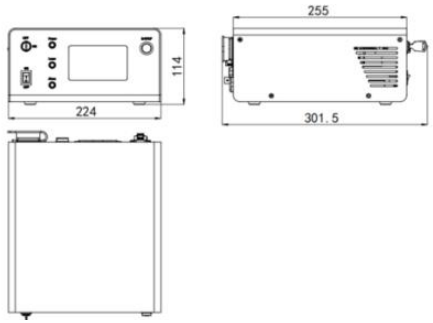
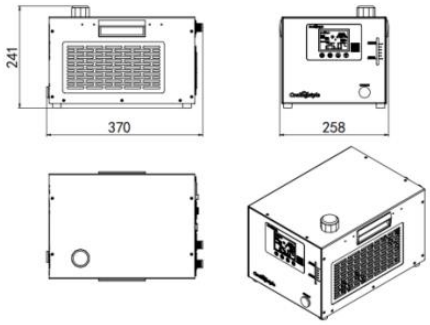


WATER COOLING CW SINGLE LONGITUDINAL LASER

All solid state single longitudinal mode laser is made features of ultra compact, long lifetime, low cost and easy operating. Single-longitudinal-mode lasers at 369 nm, 375 nm, 405nm and 411 nm are important light sources for atomic physics, quantum information science, precision spectroscopy, and biophotonics.

SPECIFICATIONS

Wavelength (nm)	369±1	375±1	405±1		411±1
Operating mode	CW				
Longitudinal mode	Single				
Output power (mW)[1]	1-80		1-40	40-80	1-80
Spectral line width (nm)	<0.000005 (<10MHz)				
Coherent length (m)	>30				
Power stability (rms, 4 hours±3℃)	<1%, <0.5%				
Beam divergence, full angle (mrad)	<1				
Beam diameter at the aperture (1/e^2,mm)	<2				
M^2	<1.2				
Noise of amplitude (rms,20Hz-20MHz)	<0.5%				
Polarization ratio	>100:1,Vertical(Horizontal optional)				
Cooled method	Water cooled		Air cooled		Water cooled
Operating temperature (℃)	15-35				
Power supply (220/110VAC)	PSU-W-LED				
Expected lifetime (hours)	>10000				

LASER HEAD (Water cooled)	LASER HEAD (Air cooled)	HEATSINK optional
		
274 (L) ×250(W) ×97(H) mm³, 8.2 kg	**216 (L) ×164 (W) ×86.5(H) mm³, 7.2 kg**	**237 (L) ×170 (W) ×74.5(H) mm³, 2.5 kg**
POWER SUPPLY[2]	WATER CHILLER (WCH-580)	
		
301.5(L) ×224(W) ×114(H) mm 3, 2.3 kg	**370(L) ×258 (W) ×240.6(H) mm³, 8.3 kg**	

1 Any power level can be selected in this range.
2 Fixed output power.