

Diode pumped 473 nm blue CrystaLaser®

High reliability High stability TEM₀₀ mode Ultra-compact

Specifications

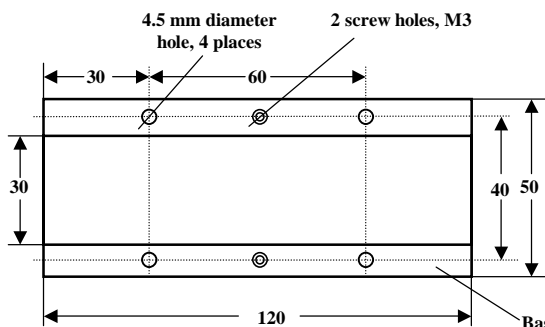
Wavelength	473 nm					
Laser version	Standard version		Low noise version		Single longitudinal mode	
Model No. and output power	CL-473-150	150 mW	DL-473-020-L	20 mW	DL-473-010-S	10 mW
	CL-473-100	100 mW	DL-473-015-L	15 mW	DL-473-005-S	5 mW
	CL-473-075	75 mW	DL-473-010-L	10 mW		
	CL-473-050	50 mW	DL-473-005-L	5 mW		
	CL-473-025	25 mW				
	CL-473-010	10 mW				
	CL-473-005	5 mW				
Longitudinal mode	Multiple		Multiple		Single	
Output noise (rms, 10Hz - 50MHz)	< 2% from 1Hz-5 kHz ~ 30% around 500 KHz		< 0.5 %		< 0.5%	
Linewidth	0.1 nm, nominal		1 nm		< 0.0001nm	
Beam diameter (1/e ²)	0.7 mm		1.1 mm		1.1 mm	
Beam divergence	1 mrad		0.65 mrad		0.65 mrad	
Output stability (rms)	2% over 2 hours		1% over 8 hour, Ultra-stable option 0.25% 24 hours		2% over 2 hours	
Transverse mode	Single mode, TEM ₀₀ , M ² < 1.2					
Beam pointing stability	< 0.005 mrad/°C					
Polarization ratio	Vertical 100:1					
Operation temperature	10 °C to 35 °C					
Warm-up time	1 minute					
Operation voltage	90-250 VAC or 12 VDC option; Typical power consumption 12 W					
Dimensions and weight of laser head	3x3x12 cm ³ (1.2x1.2x4.7 in ³) with a fixed 6 mm thick plate, 0.3kg (0.6 lb)					
Dimensions and weight of power supply	Standard AC: 5x14x15 cm ³ (2x5.5x6 in ³), 0.5 kg (1 lb);				CL-2005 AC: 5x16x15 cm ³ DC: 8.5x3.5x12.7 cm ³ (3.3x1.4x5 in ³), 0.2 kg (0.5 lb) option	

Applications: Fluorescence
Neuroscience,
Confocal Microscopy,
Raman Spectroscopy

Options: TTL modulation;
Analog laser output power control;
Fiber delivery system;
Upgrade to CL2005 power supply with
power adjustable and digital display



Top View



Front View

