

Diode Pumped **Yellow-Green 561 / 558 / 555 nm** CrystaLaser®

High reliability High stability Single longitudinal mode Ultra-compact

SPECIFICATIONS

Wavelength	Standard version, Model No.				SLM & Low noise version, Model No.		
561 nm	CL561-250	250 mW	CL561-100	100 mW	CL561-050-S	CL561-050-L	50 mW
	CL561-200	200 mW	CL561-050	50 mW	CL561-025-S	CL561-025-L	25 mW
	CL561-150	150 mW	CL561-025	25 mW			
558 nm	CL558-250	250 mW	CL558-100	100 mW	CL558-050-S	CL558-050-L	50 mW
	CL558-200	200 mW	CL558-050	50 mW	CL558-025-S	CL558-025-L	25 mW
	CL558-150	150 mW	CL558-025	25 mW			
555.5 nm	CL555-250	250 mW	CL555-100	100 mW	CL555-050-S	CL555-050-L	50 mW
	CL555-200	200 mW	CL555-050	50 mW	CL555-025-S	CL555-025-L	25 mW
	CL555-150	150 mW	CL555-025	25 mW			
Spectrum linewidth	0.15 nm, nominal				SLM version: <0.0001 nm		
Longitudinal mode	Multiple longitudinal modes				SLM version: single longitudinal mode		
Coherence length	0.5 - 1 mm, nominal				>5 meters		
Output noise (rms)	2% from 1Hz to 10 kHz, ~20% at 500 kHz				5% from 1 Hz to 100 MHz		
Output stability (rms)	< 2% over 2 hours; Ultra-stable option: 0.5% or 0.25% over 24 hours						
Transverse mode	Single mode, TEM ₀₀ , M ² = 1.0 - 1.1						
Beam diameter (1/e ²)	~ 0.7 mm	Option: 0.5X - 5X laser beam expanders are available to change beam size and divergence					
Beam divergence	~ 1 mrad	e.g. 0.35 mm beam with 2 mrad divergence; or 1.4 mm beam with 0.5 mrad divergence					
Beam pointing stability	< 0.005 mrad/°C						
Polarization ratio	Horizontal linear polarization 50:1; >100:1 option available;				Option: Vertical polarization		
Operation temperature	10 °C to 35 °C						
Warm-up time	< 1 minute						
Operation voltage	90-250 VAC or 12VDC OEM version 11-16VDC; Typical power consumption: 15 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) 7x3.6x18.5 cm ³ (2.8x1.4x7.3 in ³), 0.6 kg (1.3 lb) for lasers ≥ 400 mW, type 2 size						
Dimensions and weight of power supply	AC: 5x14x15 cm ³ (2x5.5x6 in ³), 0.5 kg (1 lb); Option CL-2005 power display AC: 5 x 16 x 15 cm ³ DC: 8.5x3.5x12.7 cm ³ (3.3x1.4x5 in ³), 0.2 kg (0.5 lb)						

* Polarization direction can be rotated to vertical or horizontal

Fiber coupling option: Single mode and multi-mode fiber delivery.

Modulation option: TTL on/off, 1 kHz to 10 kHz; and Analog modulation option

CL-2005 power supply option: Power adjustable and power digital display.

Made in the USA



Laser Head

All dimensions in mm

