

355nm Narrow linewidth laser (High power)

NARROW-LINEWIDTH CW LASERS

355nm Narrow linewidth laser (High power) Based on single-frequency seed laser, fiber laser amplification and nonlinear frequency conversion technology, Precilasers can provide narrow linewidth 355nm narrow linewidth laser with a maximum output of 4W, high frequency stability, long life and excellent beam quality. This product has the characteristics of narrow linewidth, linear polarization and long life, and can be used for scientific research and advanced industrial applications.

- Narrow Linewidth Resistant to
- High Temperature and Vibration
- Working Environment Excellent Beam
- Quality Never Mode

Specifications

Parameter	FL-SF-355-X-CW
Center Wavelength	355.00nm
Linewidth (100 us integration)	<40kHz
Operation Mode	CW
Output Power	>100mW / >500mW / >2W / >4W
Beam Waist Diameter	1±0.15 mm
Beam Waist Location Relative to Output Window	Output window within ±0.5m
Beam Divergence (Full Angle)	<1mrad
Beam Ellipticity	>90%
Pointing Stability (µrad)	<50µrad@3h
Beam Quality	TEM 00 , M ² <1.2 / TEM 00 , M ² <1.1
Polarization	Linear, Vertical ±3°, >20dB
Power Stability	<0.75% @3hours, RMS
Relative Intensity Noise	<0.2%(RMS, 10Hz-10MHz integral)
Cooling	Water Cooling
Cold Start	<2 Hour
From Standby	<15 minute
Laser Controller Dimensions	≤483mm x 502mm x 132mm
Laser Head Dimensions	≤380mm x580 mm x 146mm
Chiller Dimensions	≤58cm x 29cm x 52cm
Laser Head Weight	≤38kg
Laser Controller Weight	≤25kg
Chiller Weight	≤25kg
Cable Length between Controller and Head	Photoelectric separation cable length > 5 meters (customizable)
Temperature (No condensation conditions)	15-35 °C (Water Cooling)
Power Supply	100V-240V, AC, 50/60Hz
Power Consumption	<200W / <240W / <300W
Communication	RS422

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.