

Lantana – world smallest single frequency visible laser



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The „Lantana“ is an all-in-one ultra-compact unit that combines a compact visible laser with an integrated driver for both CW & modulation controlled via serial communication. It's a single-frequency, plug-and-play module via USB communication.

ART.NO.	QC4LD0593-32XX	QC4LD0593-61XX	QC4LD0593-94XX
Wavelength	532 +/- 2 nm	561 +/- 2 nm	594 +/- 2 nm
Output Power to free space	xx = 20 / 30 / 50 mW		xx = 5 / 20 mW
Beam diameter	Typ. 0.5(H) x 1.1(V) mm at 1/e ²		
Beam divergence	Typ. 1.2 mrad at full-angle		
Beam angle	< 2.5 mrad		
RMS noise	< 0.25% at 120 kHz to 10 MHz		
Power stability	< +/- 2%		
Pointing stability	< 30 µrad		
Warm up time	< 1 min.		
Polarization ratio	> 12 dB		
Drive modes	CW, Digital Modulation via serial communication		
Operation mode	APC under CW mode/ ACC under Pulse mode		

Individual. Innovative. Exceptional.

Lantana

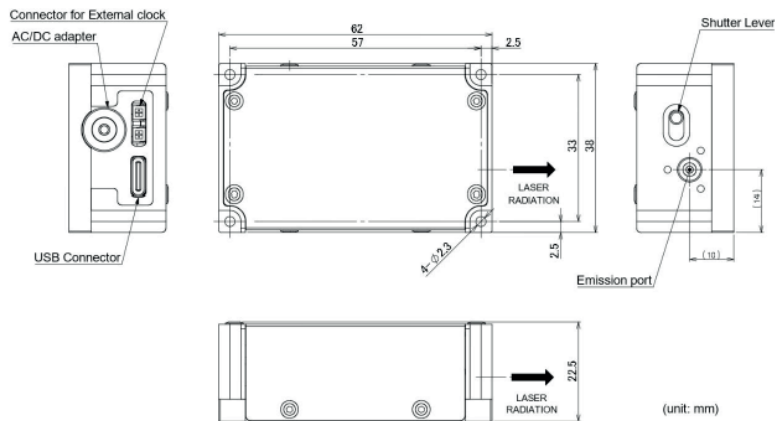
ART.NO. **QC4LD0593-32XX** **QC4LD0593-61XX** **QC4LD0593-94XX**

Digital modulation 0 – 50 kHz

Power consumption Typ. 2.2 W at 50 mW (Typ. 0.8 W on standby) under $T_c = 25^\circ\text{C}$

Fiber-pigtailed(option) SMF, PMF and MMF pigtailed modules available

MECHANICAL SPECIFICATIONS



FEATURES

- Ultra-compact & lightweight
- Space-saving
- Integrated driver for CW/pulsed operation
- Plug-and-play by USB
- High-quality elliptical beam
- Fiber-pigtailed output option available (SMF, PMF and MMF)

APPLICATIONS

- Flow Cytometry
- Cell Sorting
- Laser Microscopy
- Raman Spectroscopy

Subject to technical modifications. As per January 2025.

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