

All-in-one Compact Visible Laser

LantanaTM



Ultra-compact & lightweight unit with integrated driver



Size: 38 x 62 x t22.7 mm

Application examples

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

Key Features

- Ultra-compact & lightweight
- Integrated driver for CW/pulsed operation
- Plug-and-play by USB communication control
- Free space output with high-quality elliptical beam suitable for flow cytometry
- Fiber-pigtailed output option available (SMF and PMF)

Specification

- Wavelength: 532, 561, 594 nm (488, 552, 588 nm under development)
• Output Power: 5/20/30/50 mW

* Sample of new wavelengths will be available in 2025.

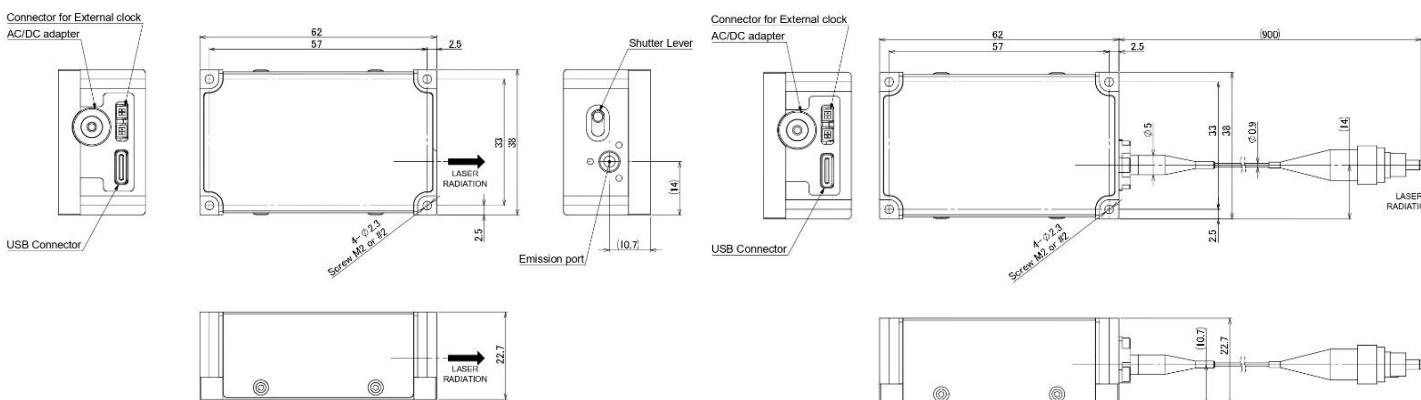
SPECIFICATIONS

Model Number	QC4LD0593-32xx	QC4LD0593-61xx	QC4LD0593-94xx
Wavelength	532 +/- 2 nm	561 +/- 2 nm	594 +/- 2 nm
Output Power	xx = 20 / 30 / 50 mW		xx = 5 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 % (under CW mode, 8hrs)	
Pointing stability		< 30 μrad	
Warm up time		< 5 min.	
Polarization ratio		> 12 dB	
Drive modes		CW, Digital Modulation via serial communication	
Operation mode		APC under CW mode/ ACC under Pulse mode	
Digital modulation		0 – 50 kHz	
Power consumption		Typ. 2.2 W at 50 mW (Typ. 0.8 W on standby) under Tc = 25°C	
Model Number	QC4LD0561-32xx	QC4LD0561-61xx	QC4LD0561-94xx
Output Power	xx = 10 / 15 / 25 mW		xx = 2 mW
Fiber-pigtailed(option)		SMF and PMF pigtailed modules available	

GENERAL SPECIFICATIONS

DC Input Voltage	12V DC
Dimensions	QC4LD0593: 38 x 62 x t22.7 mm (53 cc)
Weights	QC4LD0593: 157g
Ambient temperature	15°C < ambient temp. < 37°C, < 65%RH in operation

MECHANICAL SPECIFICATIONS



QC4LD0593 series

QC4LD0561 series