

# All-in-one Compact Visible Laser

## Lantana

Sales  
started!



Ultra-compact & lightweight unit with integrated driver



**World's Smallest in its class: 38 x 62 x t22.5 mm**

### Application examples

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

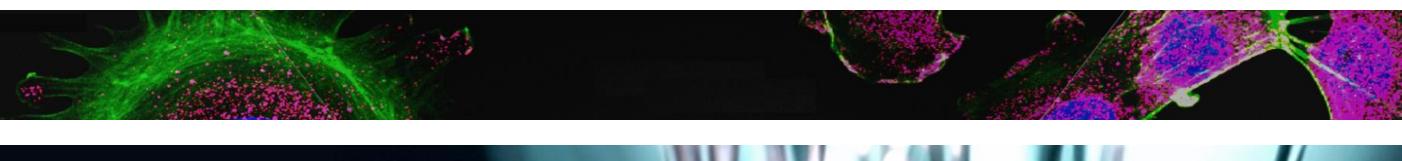
### Key Features

- Ultra-compact (53cc) & lightweight (90g)
- 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, PMF and MMF)

### 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 FY2025.





## SPECIFICATIONS

Model Number	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 <sup>2</sup>	
Beam divergence		Typ. 1.2 mrad at full-angle	
Beam angle		< 2.5 mrad	
RMS noise		< 1% at 120 kHz to 10 MHz	
Warm up time		TBD	
Polarization ratio		> 12 dB	
Drive modes	CW, Digital Modulation via serial communication		
Operation mode	APC under CW mode/ ACC under Pulse mode		
Digital modulation	ACC, 0.1 kHz ~ 50 kHz		
Power consumption	TBD		
Fiber-pigtailed(option)	SMF, PMF and MMF pigtailed modules available		

## ENVIRONMENTAL REQUIREMENTS

DC Input Voltage	12V DC
Dimensions	38 x 62 x t22.5 mm
Weights	90 g
Ambient temperature	15°C < ambient temp. < 37°C, < 65%RH in operation

## MECHANICAL SPECIFICATIONS

