

# All-in-one Compact Visible Laser

## Lantana

Coming soon

Lantana is an ultra-compact light source with integrated driver and is a plug-and-play unit via USB communication

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

- Compact plug and play driver-integrated unit
- Patented high stability single frequency laser combining DFB laser and second harmonic generation
- Unprecedented compact unit 38 x 62 x t22.5 mm (53 cc)
- CW/Modulation light source controlled via serial communication
- Free space output (Fiber-pigttailed output option available)

## Specification

- Wavelength: 488, 532, 552, 561, 588, 594 nm
- Output Power: 5/20/30/50 mW



## SPECIFICATIONS

Model Number	QC4LD0493-88xx	QC4LD0593-32xx	QC4LD0593-52xx	QC4LD0593-61xx	QC4LD0593-88xx	QC4LD0593-94xx
Wavelength	*488 +/- 2 nm	532 +/- 2 nm	*552 +/- 2 nm	561 +/- 2 nm	*588 +/- 2 nm	594 +/- 2 nm
Output Power	xx = 20 / 30 / 50 mW				xx = 5 / 20 mW	
Beam Diameter	0.5(H) x 1.1(V) mm at 1/e <sup>2</sup> (TBD)					
Beam Divergence	< 1.2 mrad at full-angle (TBD)					
Beam angle	< 2.5 mrad (TBD)					
RMS Noise	< 1% at 120 kHz to 10 MHz (TBD)					
Warm up time	TBD					
Polarization Ratio	> 12 dB					
Drive modes	CW, Digital Modulation via serial communication					
CW operation	ACC / APC					
Digital Modulation	ACC, 0.1 kHz ~ 10 kHz					
Power Consumption	TBD					
Fiber-pigtailed	available with MMF, SMF and PMF					

\*Built-in light sources of 488, 552 and 588 nm are under development.

## ENVIRONMENTAL REQUIREMENTS

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

## MECHANICAL SPECIFICATIONS

