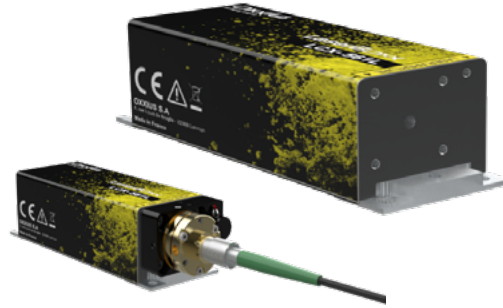


LCX-561L

DPSS



Optical characteristics *

Emission wavelength	561.4 nm (± 0.5 nm)	
Linewidth	≤ 0.1 nm	
Output power	Free space	Fiber coupled
	50 mW	35 mW
	100 mW	70 mW
	150 mW	105 mW
	200 mW	140 mW
Control mode(s)	Automatic Power Control (APC)	
Power stability <small>over 8 hours and within $\pm 3k$</small>	$\pm 1\%$	
Power adjustment range <small>optional</small>	30 - 100% 0 - 100% with L1C-MPA	
Optical noise <small>%RMS, 10Hz - 20 MHz bandwidth</small>	$\leq 0.2\%$	

— Transverse singlemode free-space beam

Beam waist diameter (typ) <small>at $1/e^2$, 50mm from output aperture</small>	0.7 mm (± 0.1 mm)
Beam divergence <small>at $1/e^2$, full angle, in far field</small>	1.0 to 0.2 mrad
Beam quality factor (M^2)	≤ 1.1
Beam circularity, <small>in far field</small>	$\geq 90\%$
Polarization extinction ratio (typ)	1000:1
Polarization state	linear, vertical at $\pm 5^\circ$

— Modulation functions

Optional

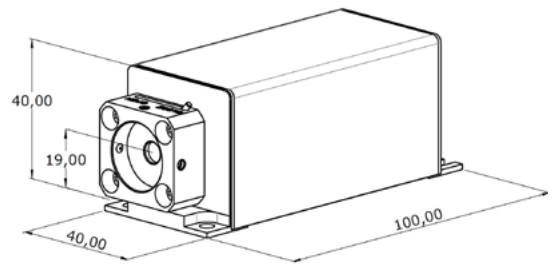
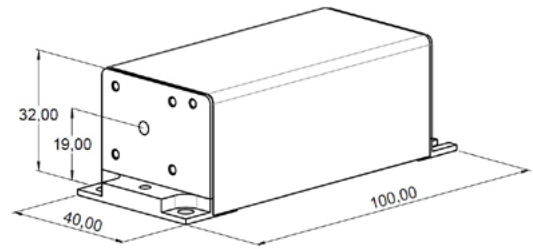
L1C-AOM

DC - 3 MHz

Fiber coupling option

	SM and PM Fiber	MM Fiber (50 μ m, 0.22 NA)
Coupling Efficiency	$\geq 70\%$	$\geq 80\%$
Polarization Ratio <small>(PMF only)</small>	100 : 1	n/a
Fiber Output Connector	FC-ACPC, FCP8 on demand	FC-APC
Power stability <small>over 8 hours and within $\pm 3k$</small>	$\pm 2\%$	$\pm 2\%$
Fiber length	2.0 m	2.0 m

System specifications



— Plug and Play version provided with :

- Electro-mechanical shutter
- ControlBoxx
- Power supply

Other options

- Heat sink
- Clean-up filter

General specifications

	Plug and Play version	OEM version
Compliance	CE FDA 21 CFR 1040.10/1040.11	FDA 21 CFR 1040.10 / 1040.11
Operating temperature	10 - 38°C ambient air with optional heat sink	10 - 50°C baseplate
Power consumption	≤ 25 W	≤ 20 W
Storage temperature	0 to 60°C	
Supply voltage	100 to 240 VAC external power supply	5 to 12 VDC
Warm-up time	≤ 10 minutes	
Interfaces	USB, RS-232, dedicated electronic interface	

Warranty : 18 months from shipment date

*Specifications at nominal power

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