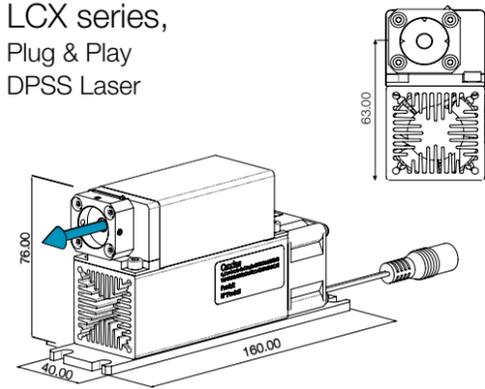


Biophotonics & Industrial

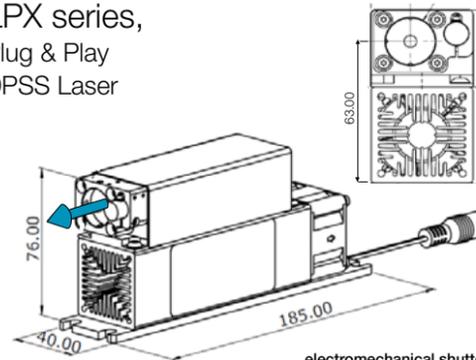


System Specifications - CDRH compliant versions

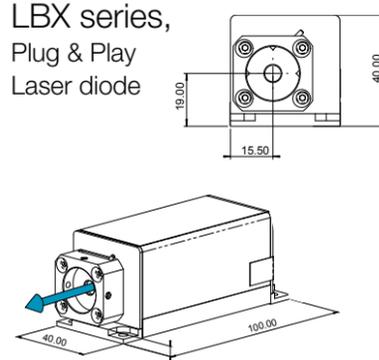
LCX series,
Plug & Play
DPSS Laser



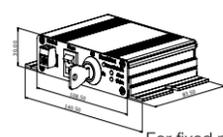
LPX series,
Plug & Play
DPSS Laser



LBX series,
Plug & Play
Laser diode

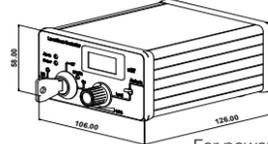


PPF - RemoteBoxx



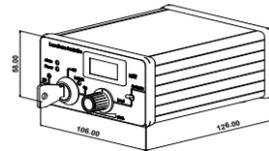
For fixed power versions

PPA - ControlBoxx



For power adjustable versions

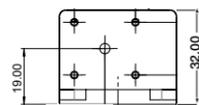
PPA - ControlBoxx



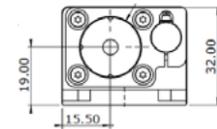
Device qualification	CE	Supply voltage	100-240 V AC external power supply
Operating temperature	10-38°C (ambient)	Warm-up time	LCX & LPX : ≤ 10 minutes / LBX : ≤ 2 minutes
Power Consumption	≤ 20 W	Communication interfaces	USB, RS-232, dedicated I/O interface
Storage temperature	0-60 °C	Laser head weight	≤ 600 g with heatsink

System Specifications - OEM

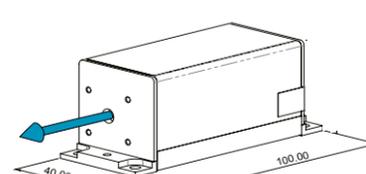
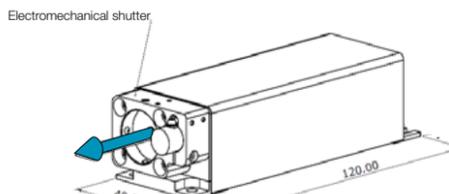
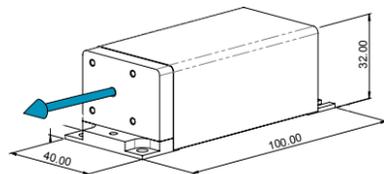
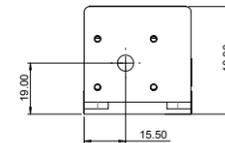
LCX series,
OEM
DPSS Laser



LPX series,
OEM
DPSS Laser



LBX series,
OEM
Laser diode



	LCX & LPX	LBX
Device qualification	CE	CE
Operating temperature	10 - 50 °C (baseplate)	10 - 50 °C (baseplate)
Power Consumption	≤ 20 W	≤ 10 W
Storage temperature	0-60 °C	0-60 °C
Supply voltage	LCX : 5 - 12 V DC / LPX : 6 - 12 V DC	5 - 12 V DC
Warm-up time	≤ 10 minutes	≤ 2 minutes
Communication interfaces	USB, RS-232, dedicated I/O interface	USB, RS-232, dedicated I/O interface
Laser head weight	≤ 250 g	≤ 330 g
Electronic	integrated into laser head	integrated into laser head

LaserBoxx

One platform for all colors

Low Noise CW Monolithic DPSS benefits

- Up to 500 mW
- Low profile laser head (32 mm)
- Lowest power consumption
 - ▶ ≤ 12 W for LCX's, any wavelength, less than 200 mW
 - ▶ ≤ 20 W for LPX-532 & LPX-640, 500 mW
 - ▶ ≤ 15 W for LPX-561, 300 mW
- Tailored beam diameter capability (0.6 up to 1.4 mm)

Laser Diode modules benefits

- Fast TTL and analog modulation
- Optional clean up filter

Super Resolution Imaging
Confocal Microscopy
Flow Cytometry
DNA Sequencing
Optogenetics

Fluorescence Microscopy
Wavelength Combiner
Polymer Curing
Material Analysis
Laser Marking

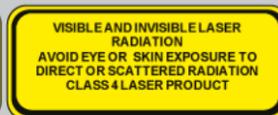
Common key features

- Ultra Low Noise ≤ 0.2% rms
- TEM₀₀ Beam
- Beam pointing ≤ 5 μrad/°C
- SM/PM/MM fiber coupling options
- USB and RS232 computer interfaces
- Graphic User Interface with remote diagnostics
- Remote ControlBoxx with power display (Plug&Play versions - CDRH)
- Controllers integrated into laser head
- LBX and LCX - Industry standard footprint (100x40 mm²)

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