

Advanced Features for LBX, LCX, LSX, LPX



L1C & L1C⁺

MPA Motorized Power Attenuator

- 0 to 100% range
- Maintains beam quality
- Spectral properties keeps
- Analog input control
- USB and RS232 interfaces

AOM Accousto-Optic Modulator

- DC-3MHz bandwidth
- > 85% power transmission
- USB interface
- Analog digital inputs

ISO Isolators

- Compact
- High power versions

The L1C and the longer L1C⁺ platforms offer efficient, compact and cost effective solutions to add advanced features to the LCX, LPX, LSX or LBX-S lasers.

Raman Spectroscopy
Interferometry
Microscopy
Seeder

Description

L1C⁺ & L1C-MPA provides from 0% up to 100% power adjustment without affecting the spectral properties or the beam divergence of Single Frequency lasers. The resolution is better than 0.1%

It comes in standard with electromechanical shutter, and is available in OEM or Plug&Play versions with the ControlBoxx.

L1C⁺ & L1C-AOM offer high speed modulation for LCX-DPSS lasers and for LBX-S stabilized laser diode modules. The bandwidth is DC - 3 MHz in analog and digital modulation. The transmission is higher than 85%.
The external controller could integrate up to two AOM drivers and then is able to control up to two L1C's.
The controller provides full computer interface for easy integration. In analog modulation the output power is linearized versus input voltage.
Additional features like PWM motors, electromechanical shutters or actuator can be directly connected to the controller



L1C⁺ & L1C-ISO are the ideal supports for bulky isolator which cannot be directly attached to the laser head.

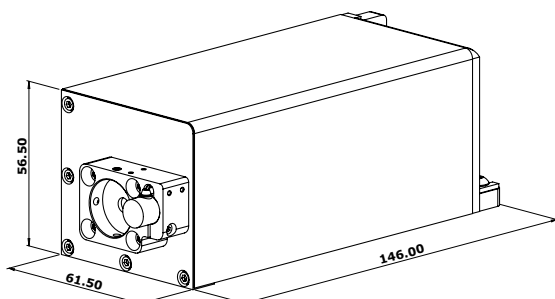
It is also required when the fiber coupling is needed in addition of an isolator.

The L1C⁺ in association with LCX or LBX could integrate up to two features like MPA and ISO or AOM and ISO.
Contact Oxixus for more information.

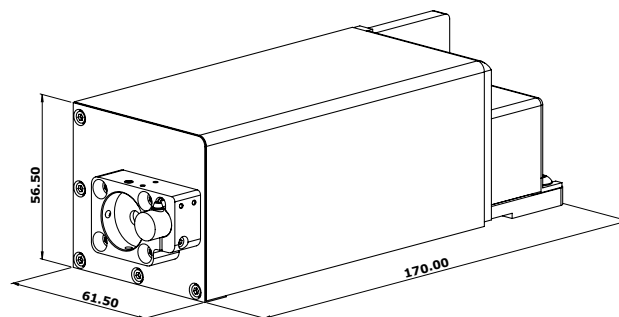
Both L1C⁺ and L1C are available with PM, SM or MM fiber coupling

Mechanical drawings

L1C



L1C⁺



Optional heatsink is available