

Technical specifications of 'PLX' series CO2 laser tubes

Last updated January 2019

Standard Industrial PLX Laser tubes

Output Power Warranty : Four (4) Years on all standard PLX model A sealed CO2 laser tubes.

All PLX series co2 lasers are **Made in U.S.A.**
Specifications subject to change without notice.

PLX110, PLX100, PLX90, PLX80, PLX70, PLX60, PLX50 [Photo](#)

Optical:

Operating Output Power = ' indicated on model number '

TEM₀₀ beam dia @ 1/e² FW = 7 mm

Beam divergence, full angle = 2.2 mrad

(M² ~ 1.1)

Physical

Tube Length = Model dependent

Tube outside diameter (OD) = 85 mm

[More](#)

PLX45, PLX35, [Photo](#)

Optical:

Operating Output Power = ' indicated on model number '

TEM₀₀ beam dia @ 1/e² FW = 6 mm

Beam divergence, full angle = 2.4 mrad

(M² ~ 1.1)

Physical

Tube length = Model dependent

[More](#)

More specs for all PLX Series:

Polarization: random

Operating mode: CW

Power stability (after 6 minutes warm up);

- **better than one (1) percent** in any 10 minutes interval.

This [chart of power vs time](#) explains it all !

- long term : +/-5%

Wavelength: 10.6 micron nominal

All tubes require water cooling.

Minimum flow rate:

1/4 GPM for smaller tubes and up to 1.5 GPM for larger tubes.

Nominal coolant temperature : 60 to 90 F (15 to 33 C).

BACK

[Table of Contents](#)

[Laser systems, specs & prices](#) | [Re-gas and other service prices](#) | [Power supplies](#) |
[International prices](#) | [Pictures of lasers](#) | [Misc. surplus equipment](#) | [Frequently asked questions](#)

[Contact us](#)

[Parallax Technology, Inc.](#)

Web page created and maintained by Parallax Marketing Department.
