

# Lepton IV OEM Module



## Features

- 405nm to 1064nm
- Circular Gaussian profile
- Variable output power
- Modulation to 1 MHz
- Full range of accessories
- Low power requirements

The Lepton IV Series of OEM lasers are designed to give diffraction limited output with a Gaussian profile. They are a very affordable alternative to gas or solid state lasers. A nice benefit is they operate at low voltages, are very compact and last a long time.

Output power can be adjusted from zero to full output using the potentiometer or an external voltage. Monitoring pins can monitor the laser current or photodiode current. An enable pin can be used to turn on/off the laser but still leave the main power on. Laser housing has ample mounting holes

Accessories include beam expanders, focusing optics, filters, waveplates, polarizers, etc. that can be integrated into the body.

These lasers have been used in Fluorescence Excitation, Spectroscopy, Confocal Microscopes, Optical Tweezers, Cytology, Plasmonics, Material Analysis, Photoplotting, Particle Analysis, Laser Writing and Critical Alignment.



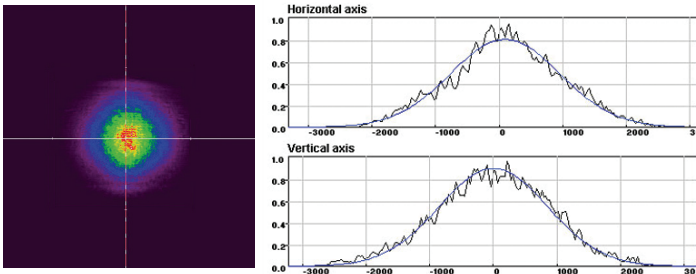
# Lepton IV OEM Module

## Specifications

Beam diameter:	1-2mm (optional 3-4mm)
Beam divergence:	<0.7mrad
Pointing stability:	<20 mrad
Wavefront error:	<1/10 wave
Optical power:	Adjustable
Power stability (24 hours)	<1% total
Laser driver:	5-12 VDC, DL current plus 100mA
Operating temperature:	10 to 50°C non condensing
Storage temperature:	-10 to 60°C

## Ordering Information

Model #	Description
L4 405M-50/OSYS	405 nm, 50 mW
L4 405M-100/OSYS	405 nm, 100 mW
L4 450M-40/OSYS	450 nm, 40 mW
L4 488M-20/OSYS	488 nm, 20 mW
L4 488M-50/OSYS	488 nm, 50 mW
L4 515M-24/OSYS	515 nm, 24 mW
L4 520M-40/OSYS	520 nm, 40 mW
L4 635S-6/OSYS	635 nm, 6 mW
L4 635S-12/OSYS	635 nm, 12 mW
L4 638S-25/OSYS	638 nm, 25 mW
L4 642S-50/OSYS	642 nm, 50 mW
L4 660M-95/OSYS	660 nm, 95 mW
L4 685S-40/OSYS	685 nm, 40 mW
L4 705S-32/OSYS	705 nm, 32 mW
L4 730S-32/OSYS	730 nm, 32 mW
L4 785M-50/OSYS	785 nm, 50 mW
L4 830S-40/OSYS	830 nm, 40 mW
L4 852S-40/OSYS	852 nm, 40 mW
L4 1064M-50/OSYS	1064 nm, 50 mW



Beam profile of L4 405M-100/OSYS

These are the most popular wavelengths available. Please inquire about other wavelengths and output powers available.

Optical elements can be integrated within the body of the laser such as filters, or attached to the laser to make focused beams, split beams or expanded beams. Please call for your particular requirements.



Labels are illustrated here to comply with 21 CFR 1040.10 as applicable under the radiations for health and safety act of 1986.

Specifications subject to change without notice.



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