



Low Heat Load, High Efficiency;  
 Fiber-based architecture, High Reliability;  
 Compact;

System Specifications		BL491-2
Wavelength		491 nm
Output Power		2 mW
Beam Diameter <sup>1</sup>		0.7 ± 0.1 mm
Transverse mode		Near TEM <sub>00</sub>
Beam divergence <sup>2</sup>		< 1.5 mrad
M <sup>2</sup> factor		M <sup>2</sup> < 1.2
Noise (RMS, 1-20MHz)		~ 30%
Point stability <sup>3</sup>		< 30 µrad
Polarization ratio		> 100:1
Power stability <sup>4</sup>		5% @ 4 hours
Beam Height		29 mm
Warm-up time		5 minutes
Expected lifetime		10,000 hours
Warranty time		1 year
Operating temperature		10-45 °C
Power supply		90 ~ 264 VAC or 5 VDC
Dimensions (L×W×H)	Laser Head	155 × 77 × 60 mm
	Power Supply	240 × 146 × 108 mm
Weights	Laser Head	0.9 Kg
	Power Supply	2.6 Kg

### NOTES

All specifications at 491 nm unless otherwise noted. All performance specifications guaranteed at specified output power only.

1 1/e<sup>2</sup> at exit port.

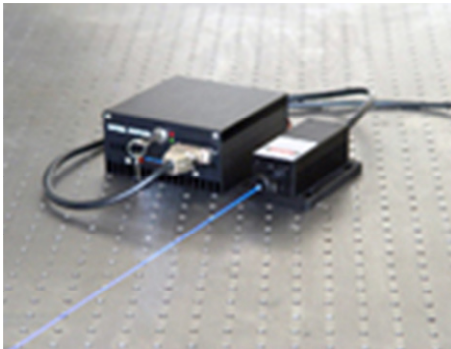
2 Full-angle divergence.

3 Measured as far-field x and y positions over a 25 °C to 35 °C temperature change.

4 Measured over 4 hours after 15 minute warm-up.

# 491nm

# CW Blue/Green Lasers



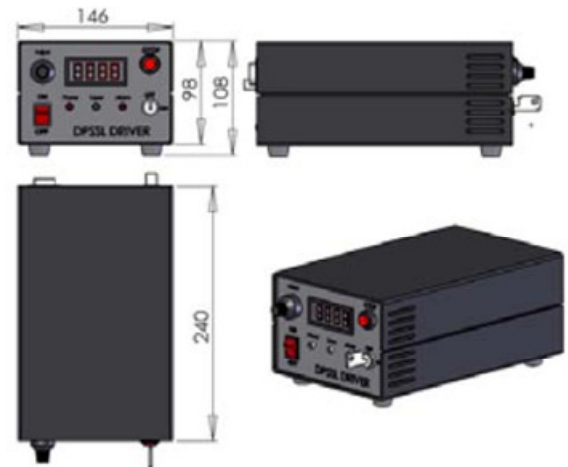
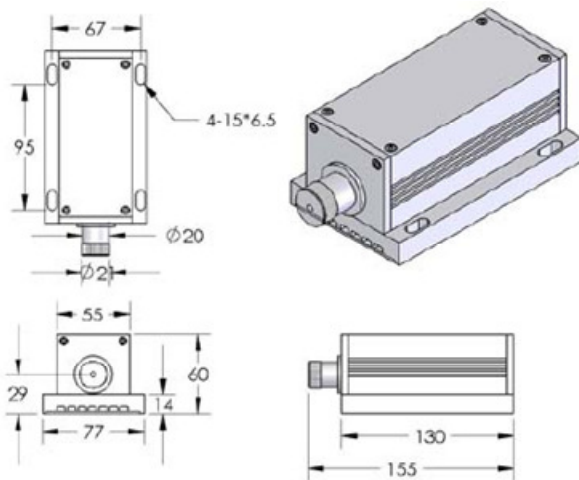
This 491 nm CW Blue/Green Laser is a Diode-Pumped Solid-State (DPSS) Laser with Compacted, Rugged and Air-cooled geometry. The laser system includes one Laser Driver and one Laser Head, they are connected with a cable for compliance with FDA regulations as an OEM laser product, and can be operated over a wide temperature range with a Low Noise and High Stability laser output.



155(L)×77(W)×60(H) mm<sup>3</sup>, 0.9 kg



240 (L) ×146(W) ×108 (H) mm<sup>3</sup>, 2.6 kg



All Dimensions are in mm

Laser Lab Components, Inc. (LLCI) follows a policy of continuous product improvement. Specifications are subject to change without notice.

LLCI offers a limited warranty for all GL™ systems. For full details on warranty coverage, please refer to the Service and Support section at [www.LaserLabComponents.com](http://www.LaserLabComponents.com), or contact our Sales or Service Representative.

