



1,000 ~ 3,000 mW Output

Low Divergence, Low Noise

Diode Pumped, Compact, Air-Cooled

System Specifications		BL 473-1000	BL 473-2000	BL 473-3000
Wavelength		473 nm	473 nm	473 nm
Output Power		1,000 mW	2,000 mW	3,000 mW
Beam Diameter ¹		2.0 mm	3.0 mm	4.0 mm
Transverse mode		Near TEM ₀₀	Near TEM ₀₀	Near TEM ₀₀
Beam divergence ²		<2.0 mrad	<2.0 mrad	<3.0 mrad
M ² factor		M ² ≤ 2.0	M ² ≤ 2.0	M ² ≤ 3.0
Spectral linewidth		<0.1 nm	<0.1 nm	<0.1 nm
Point stability ³		<0.05 mrad	<0.05 mrad	<0.05 mrad
Polarization ratio		>100:1	>100:1	>100:1
Power stability ⁴		<5%; 10% @ 4 hours	<5%; 10% @ 4 hours	<5%; 10% @ 4 hours
Warm-up time		5 minutes	5 minutes	5 minutes
Expected lifetime		10,000 hours	10,000 hours	10,000 hours
Warranty time		1 year	1 year	1 year
Operating temperature		10-35°C	10-35°C	10-35°C
Power supply		80-260 VAC	80-260 VAC	80-260 VAC
Power Consumption		400 W	400 W	400 W
Dimensions (L×W×H)	Laser Head	340 × 140 × 125 mm	340 × 140 × 125 mm	340 × 140 × 125 mm
	Power Supply	340 × 275 × 142 mm	340 × 275 × 142 mm	340 × 275 × 142 mm
Weights	Laser Head	5 Kg	5 Kg	5 Kg
	Power Supply	13 kg	13 kg	13 kg

NOTES

All specifications at 473 nm unless otherwise noted. All performance specifications guaranteed at specified output power only.

1 1/e² 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.

473nm

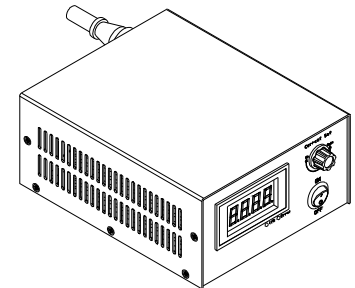
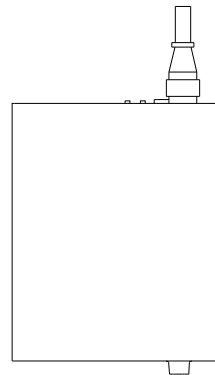
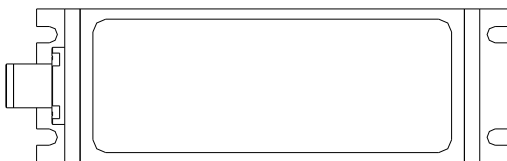
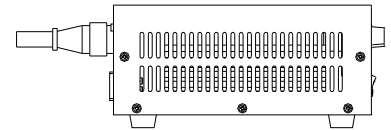
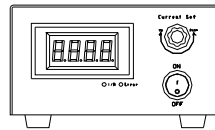
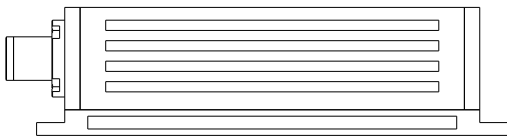
CW Blue Lasers



This 473nm CW Blue 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.

Laser Head

Laser Power



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 BL™ systems. For full details on warranty coverage, please refer to the Service and Support section at www.LaserLabComponents.com, or contact your local Sales or Service Representative.

