



1000mW ~ 5000mW Output

Low Divergence, High Stability, Low Noise

Diode Pumped, Compact, Air-Cooled

System Specifications		RL 671-1000	RL 671-3000	RL 671-5000
Wavelength		671 nm	671 nm	671 nm
Output Power		1,000 mW	3,000 mW	5,000 mW
Beam Diameter <sup>1</sup>		2.0 mm	3.0 mm	4.0 mm
Transverse mode		TEM <sub>00</sub>	TEM <sub>00</sub>	Near TEM <sub>00</sub>
Beam divergence <sup>2</sup>		<1.5 mrad	<2.0 mrad	<2.0 mrad
M <sup>2</sup> factor		M <sup>2</sup> ≤ 1.2	M <sup>2</sup> ≤ 1.2	M <sup>2</sup> ≤ 1.2
Spectral linewidth		<0.1nm	<0.1 nm	<0.1 nm
Point stability <sup>3</sup>		<0.05 mrad	<0.05 mrad	<0.05 mrad
Polarization ratio		>100:1	>100:1	>100:1
Power stability <sup>4</sup>		3% @ 4 hours	3% @ 4 hours	3% @ 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		50 W	200 W	400 W
Dimensions (L×W×H)	Laser Head	160×60×50mm	320×120×120mm	330×147×120mm
	Power Supply	194×160×90mm	420×360×80mm	300×220×120mm
Weights	Laser Head	0.38Kg	3Kg	4.5Kg
	Power Supply	1kg	5kg	8.0kg

**Note:**

All specifications at 671 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.

# 671nm

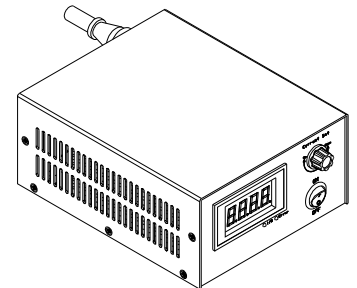
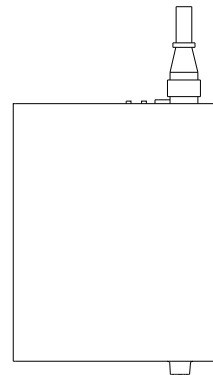
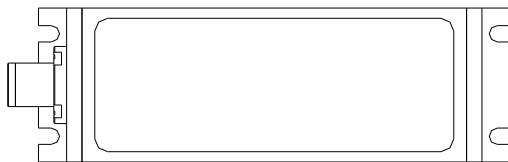
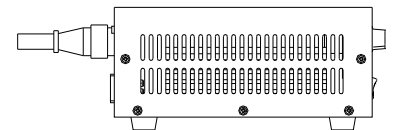
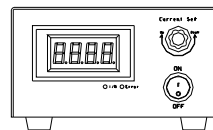
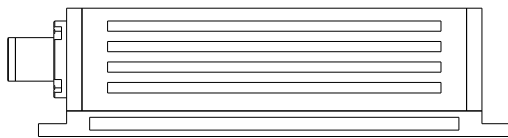
# CW Red Lasers



This 671nm CW Red 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 RL™ 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 your local Sales or Service Representative.

