



4-10W Output

Low Divergence, High Stability

Diode pumped, Q-Switched, Water-Cooled

System Specifications		QBL440 -4	QBL440 -10
Wavelength		440nm	440nm
Output Power		4 W	10 W
Pulse Width		100-300ns	100-300ns
Repetition Rate		5-20KHz	5-20KHz
Spatial mode		Near TEM ₀₀	Near TEM ₀₀
Beam Diameter ¹		3.0 mm	3.0 mm
Beam divergence ²		<2.0 mrad	<3.0 mrad
M ² factor		M ² ≤ 3.0	M ² ≤ 5.0
Power stability ³		5% @ 4 hours	5% @ 4 hours
Point stability ⁴		<0.05mrad	<0.05mrad
Polarization ratio		>100:1	>100:1
Warm-up time		5minutes	5minutes
Expected lifetime		10000 hours	10000 hours
Warranty time		1 year	1 year
Operating temperature		10-35 °C	10-35 °C
Power supply		200-260VAC	200-260VAC
Power Consumption		600W	1000W
Dimensions (L×W×H)	Laser Head	600×200×120mm	600×200×120mm
	Power Supply	420×500×240mm	420×500×240mm
Weights	Laser Head	10Kg	10Kg
	Power Supply	30Kg	30Kg

Note:

All performance specifications guaranteed at specified output power only.

1 1/e² at exit port.

2 Full-angle divergence.

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

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

440nm

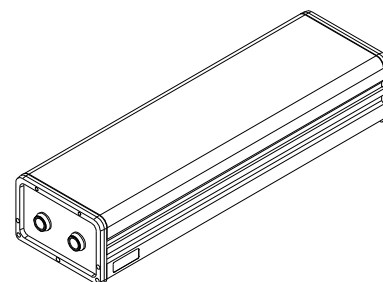
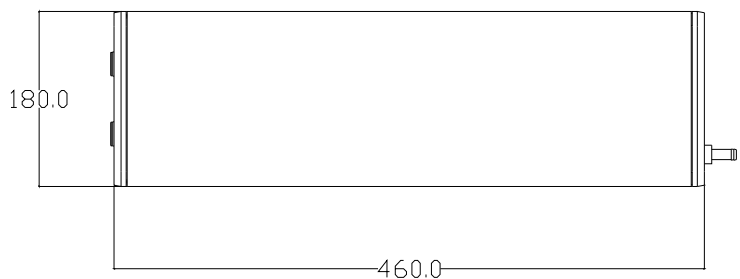
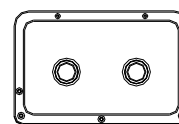
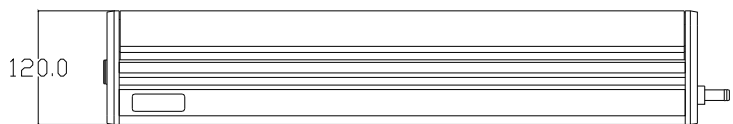
QCW Ultraviolet Lasers



The 440 nm Ultraviolet QCW Laser is a Diode-Pumped Solid-State Laser with compacted, rugged and air-cooled geometry.

The laser has such features as ultra compact, long lifetime, low cost and easy operation, which is applied in DNA sequencing, Flow cytometry, Cell sorting, Spectrum analysis, Interference, Holography, Laser printing, Chip inspection, Physics experiments, etc.

Laser Head



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 UV™ 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.

