



# 473 nm Blue Single Frequency

CW Lasers



- ◆ 10-50mW TEM<sub>00</sub> Single Frequency Output
- ◆ Low Divergence, High Stability, Low Noise
- ◆ Diode Pumped, Compact, Air-Cooled

System Specifications	SLM 473 -10	SLM 473 -30	SLM 473 -50
Wavelength	473nm	473nm	473nm
Output Power	10mW	30mW	50mW
Beam Diameter at the aperture	2.0 mm	2.0 mm	2.5 mm
Transverse mode	TEM <sub>00</sub>	TEM <sub>00</sub>	TEM <sub>00</sub>
Longitude mode	Single	Single	Single
Beam divergence	<0.5 mrad	<0.5 mrad	<0.5 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	<0.000005 nm	<0.000005 nm	<0.000005 nm
Coherent length	>50m	>50m	>50m
Polarization ratio	>100:1	>100:1	>100:1
Power stability	1% @ 4 hours	1% @ 4 hours	1% @ 4 hours
Noise of amplitude	<0.5% RMS	<0.5% RMS	<0.5% RMS
Warm-up time	5minutes	5minutes	5minutes
Expected lifetime	10000 hours	10000 hours	10000 hours
Warranty time	1 year	1 year	1 year

	Specifications	
Utility and Environmental Requirements	Power supply	80-260VAC
	Power Consumption	150W
	Operating temperature	10-35°C
	Dimensions(L×W×H)	
	Laser Head	160×60×50mm
	Power Supply	194×160×90mm
	Weights	
Laser Head	0.38Kg	
Power Supply	1Kg	

# 473nm

## SLM CW Blue Lasers



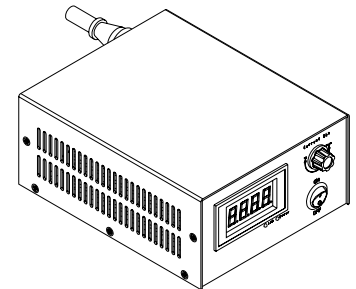
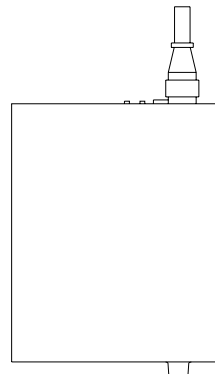
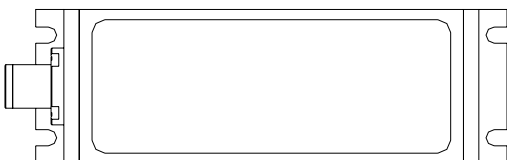
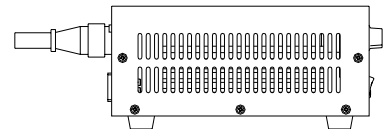
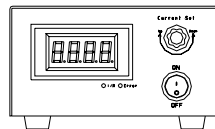
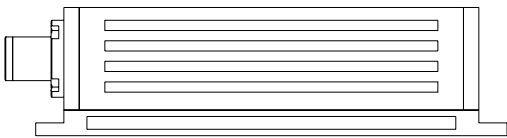
Beijing ZK Laser Co., Ltd is a sophisticated industry entity which takes the high power, multi- wave lengths solid state lasers as its main products. It researches, evelopments its products unceasingly.

The 473 nm Blue Single Frequency CW Laser is diode pumped frequency laser with compacted, rugged and air-cooled geometry.

The laser have the features of ultra compact, long lifetime, low cost and easy operation, which is applied in holography, DNA sequencing, cell sorting, interference measurement, instrument, spectrum analysis, laser printing, chip inspection, physics experiments, etc.

Laser Head

Laser Power



**ZK LASER**®

All Dimensions are in mm

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ZK Laser follows a policy of continuous product improvement. Specifications are subject to change without notice.

ZK Laser offers a limited warranty for all SLM™ systems. For full details on warranty coverage, please refer to the Service and Support section at [www.zklaser.com](http://www.zklaser.com), or contact your local Sales or Service Representative.

