

MBL-W-473/500-2000mW



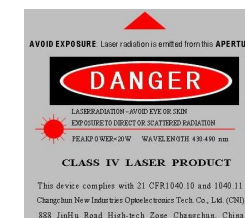
LD PUMPED ALL-SOLID-STATE
BLUE LASER

All solid state 473nm blue laser is made features of ultra compact, long lifetime and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, etc.

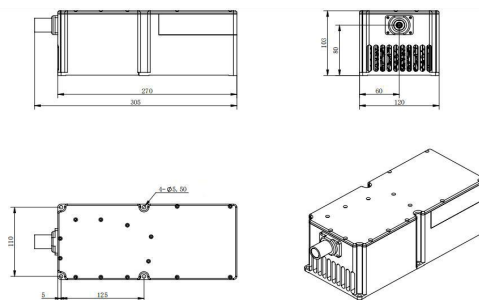


SPECIFICATIONS

Model	MBL-W-473A	MBL-W-473-Water
Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW) ¹	500-2000	500-2000
Power Stability (rms, 4 hours ± 3°C)	<5%, <3%, (<2% optional)	<3%, <2%, (<1% optional)
Transverse mode	TEM ₀₀	
M ²	<1.3	
Beam divergence, full angle (mrad)	~1.0	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Warm-up time (minutes)	<10	
Pointing Stability(urad) (over 2 hours after warm-up and ±3°C)	<50	
Pointing Stability Over Temperature (urad/°C)	<20	
Polarization ratio	>50:1(100:1 optional), Horizontal(Vertical optional)	
Cooled method	Air Cooled	Water Cooled
Beam height from base plate (mm)	80	85
Operating temperature (°C)	10-35	
Power supply (100-240VAC)	PSU-W-FDA/PSU-W-LED	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	
Options	Linear power regulation 0-100% with constant beam quality. Part number: MBL-W-473A-HQ/MBL-W-473-Water-HQ.	

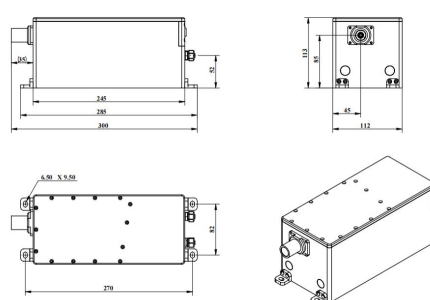


LASER HEAD (MBL-W-473A)



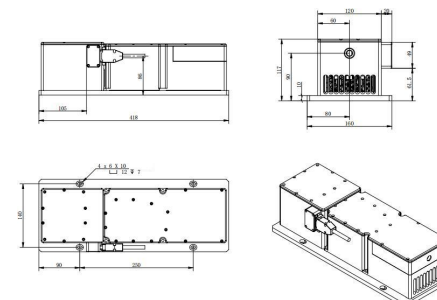
305 (L) × 120 (W) × 103 (H) mm³, 5.4 kg

LASER HEAD (MBL-W-473-Water)



300(L) × 112 (W) × 113 (H) mm³, 5.0 kg

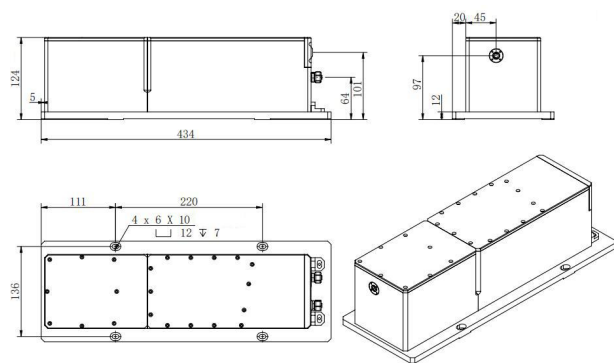
LASER HEAD (MBL-W-473A-HQ)



418 (L) × 160 (W) × 117 (H) mm³, 9.8 kg

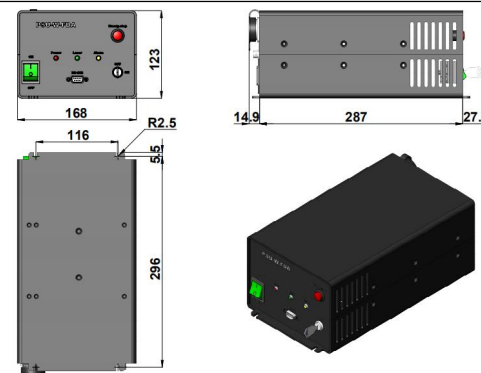
Website: <http://www.cnilaser.com> E-mail: sales@cnilaser.com Tel: +86-431-85603799 Fax: +86-431-89216068

LASER HEAD (MBL-W-473-Water-HQ)



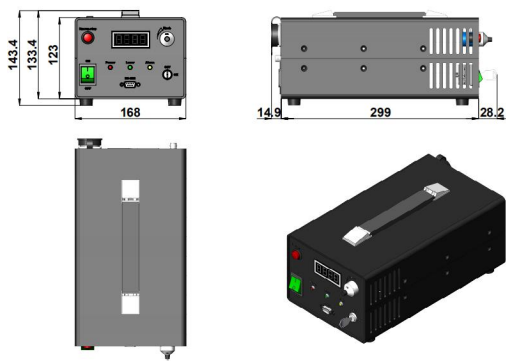
434 (L) × 152 (W) × 124 (H) mm³, 9.4 kg

POWER SUPPLY (PSU-W-FDA)²



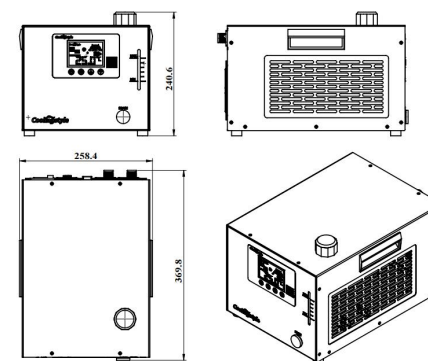
329.1 (L) × 168 (W) × 123 (H) mm³, 4.1 kg

POWER SUPPLY (PSU-W-LED)³



342.1 (L) × 168 (W) × 143.4 (H) mm³, 4.2 kg

WATER CHILLER (WCH-580)



369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%.