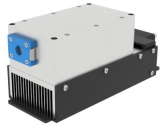
MDL-MD-445/447/450/1-8000mW



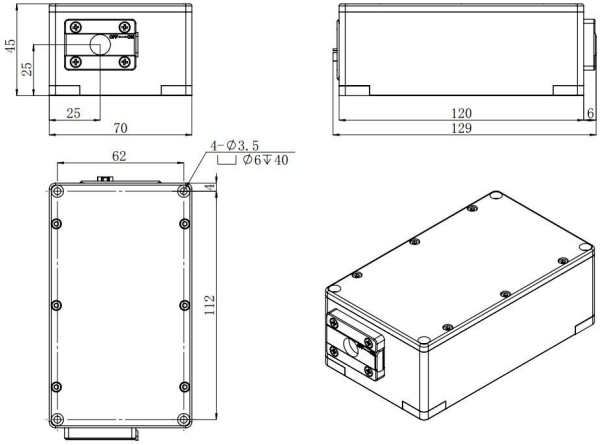
BLUE DIODE LASER AT 445/447/450nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in laser projection, laser shows, biomedical applications, holography, metrology. etc.

SPECIFICATIONS

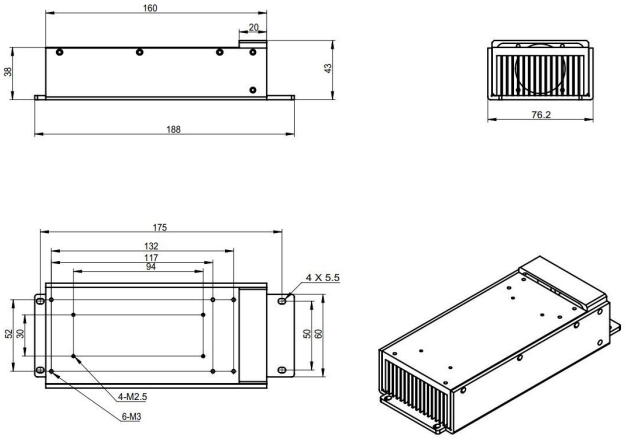
Central wavelength (nm)	445±5/ 447±5/ 450±10	
Operating mode	CW	
Output power (mW)[1]	1-8000	
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%	
Transverse mode	Multimode	
Polarization direction	Horizontal+ Vertical	Horizontal/ Vertical
Beam diameter at the aperture (mm)	~1.0×2.5	~2.0×2.5
Beam divergence, full angle (mrad)	~3.4×3.8	~3.3×3.8
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	25	
Operating temperature (°C)	25±3	
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED/PSU-N-LED	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	

LASER HEAD[2]



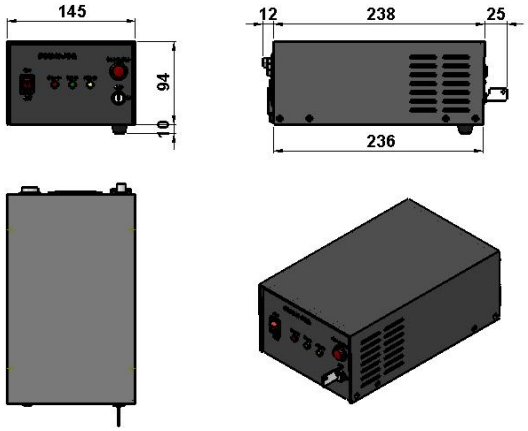
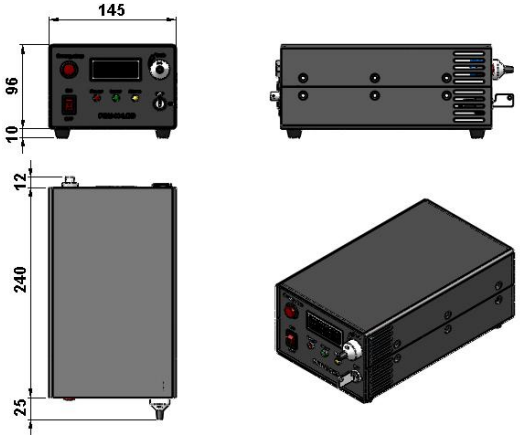
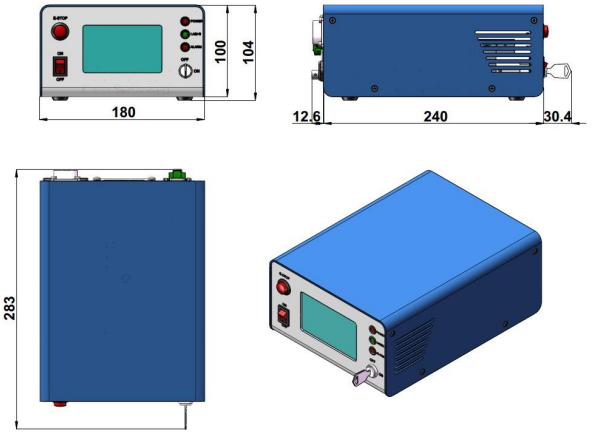
129 (L) ×70 (W) ×45 (H) mm³, 0.7kg

HEATSINK (TC-04)



188 (L) ×76.2 (W) ×43 (H) mm³, 0.65kg

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

POWER SUPPLY (PSU-H-FDA)[3]	POWER SUPPLY (PSU-H-LED)[4]	POWER SUPPLY (PSU-N-LED)[4]
		
275 (L) ×145 (W) ×104 (H) mm³, 2.1kg	277 (L) ×145 (W) ×106 (H) mm³, 2.3kg	283 (L) ×180 (W) ×104 (H) mm³, 2.5kg

1 Any power level can be selected in this range.

2 The laser head needs to be used on a heat sink with good heat dissipation.

3 Fixed output power; Modulation up to 30kHz.

4 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.