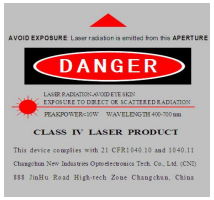
MDL-H-440/1-3W

BLUE DIODE LASER AT 440nm

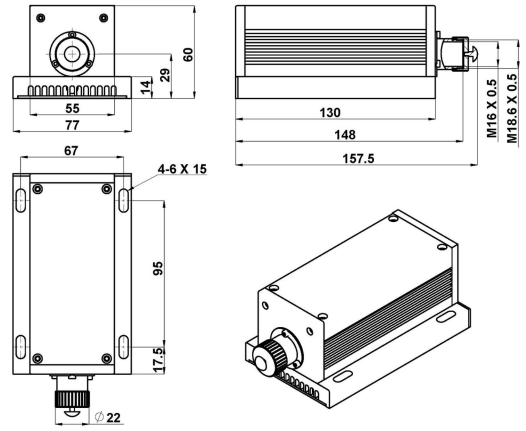
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in medical imaging, flow cytometry, DNA sequencing, etc.

SPECIFICATIONS

Central wavelength (nm)	440±5
Operating mode	CW
Output power (W)[1]	1-3
Power stability (rms, 4 hours ± 3°C)	<2%, <1%, <0.5%
Transverse mode	Multimode
Beam diameter at the aperture (1/e², mm)	~2.7×2.7
Beam divergence, full angle (mrad)	1.4×0.2
Warm-up time (minutes)	<5
Cooled method	Air cooled
Beam height from base plate (mm)	29
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-H-FDA/PSU-H-LED
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Expected lifetime (hours)	>10000

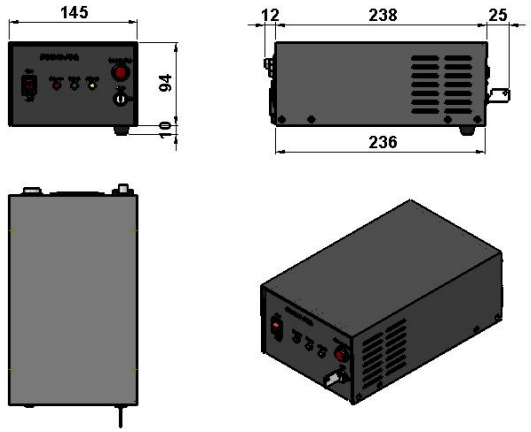


LASER HEAD



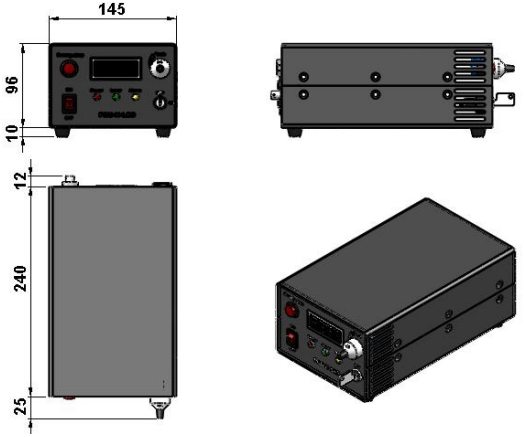
157.5 (L) ×77 (W) ×60 (H) mm³, 0.9kg

POWER SUPPLY (PSU-H-FDA)[2]



275 (L) ×145 (W) ×104 (H) mm³, 2.1kg

POWER SUPPLY (PSU-H-LED)[3]



277 (L) ×145 (W) ×106 (H) mm³, 2.3kg

1 Any power level can be selected in this range.

2 Fixed output power; Modulation up to 30kHz.

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

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