

F-454-HS/1-2000mW



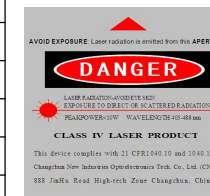
**BLUE DIODE LASER  
AT 454nm**

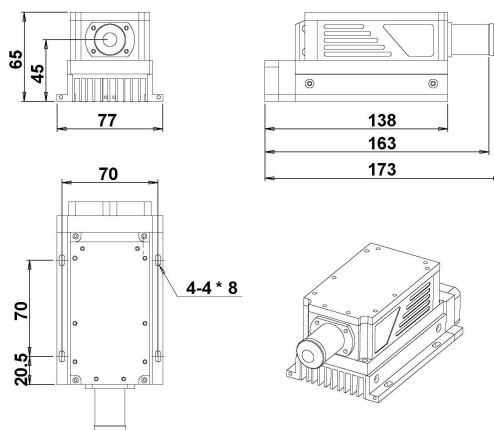
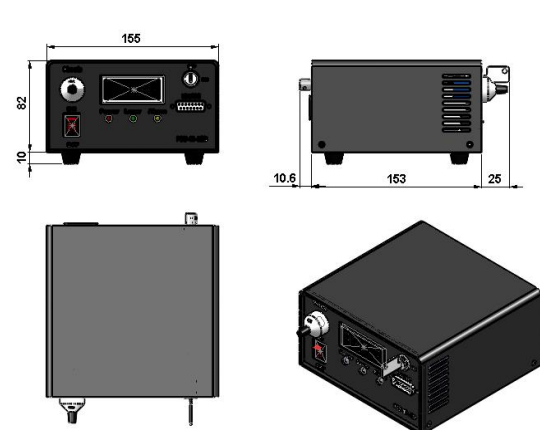
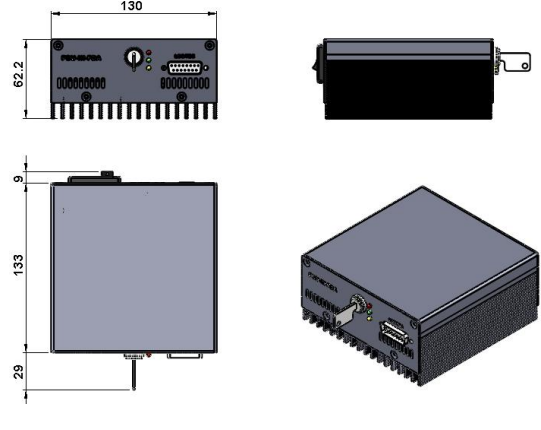
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Central wavelength (nm)	454±5
Operating mode	CW
Output power (mW)	>1, 100, 200, ...,2000
Power stability (rms, over 4 hours)	<1%, <2%, <3% (<0.5%, optional)
Transverse mode	Multimode
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.7×2.7
Beam divergence, full angle (mrad)	1.4×0.2
Warm-up time (minutes)	<5
Beam height from base plate (mm)	45
Operating temperature (°C)	10-35
Power supply (85-264VAC)	PSU-III-LED/ PSU-III-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Expected lifetime (hours)	10000
Warranty	1 year



F-454-HS	PSU-III-LED	PSU-III-FDA
 <p>173 (L) × 77 (W) × 65 (H) mm<sup>3</sup>, 1.0kg</p>	 <p>188.6 (L) × 155 (W) × 92 (H) mm<sup>3</sup>, 1.5kg</p>	 <p>171 (L) × 130 (W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>