

F-445/447/450-HS/1-3500mW

**BLUE DIODE LASER
AT 445/447/450NM**

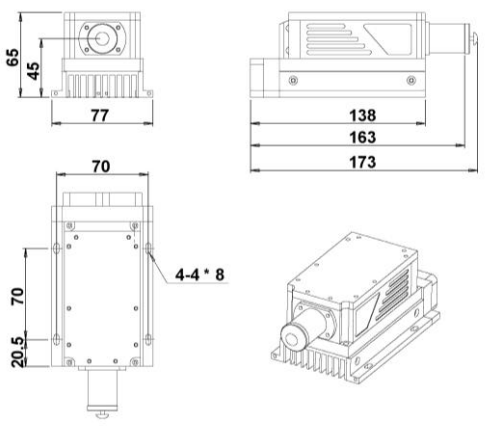
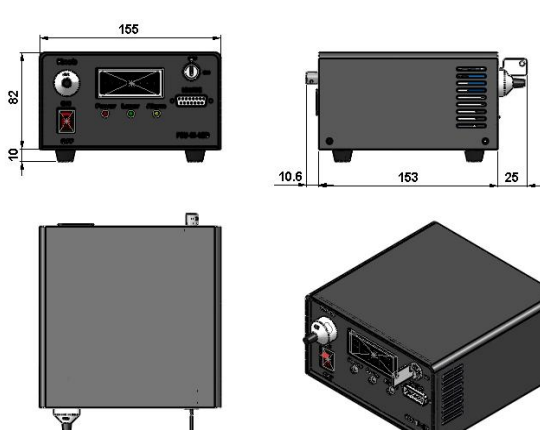
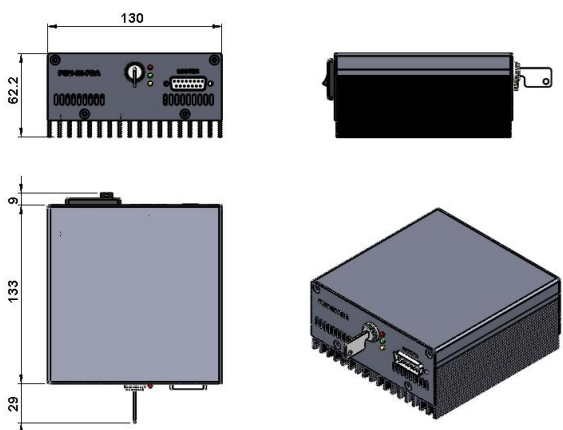
Blue diode laser module at 445/447/450nm is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Model	F-445-HS	F-447-HS	F-450-HS
Wavelength (nm)	445±5	447±5	450±5
Operating mode	CW		
Output power (mW)	>1, 100, 1000, ...2000		>2000, 2500, ...,3500
Power stability (rms, over 4 hours)	<1%, <3%, <5%		
Transverse mode	Multimode		
Beam diameter at the aperture (1/e ² , mm)	~2.7×2.7		~3.5×3.5
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-445/447/450-HS	PSU-III-LED	PSU-III-FDA
 <p>173 (L) ×77(W) ×65 (H) mm³, 1kg</p>	 <p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	 <p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>