

MDL-III-445/447/450/1~1000mW



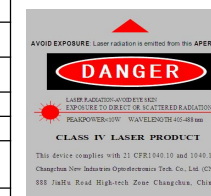
BLUE DIODE LASER
AT 445/447/450nm

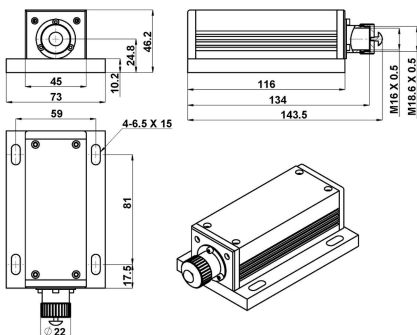
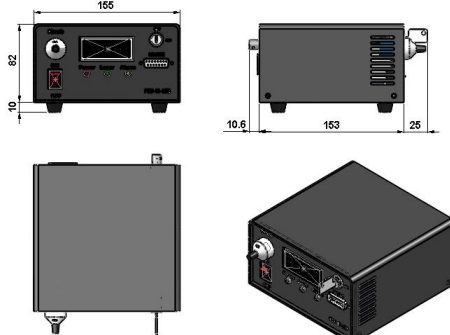
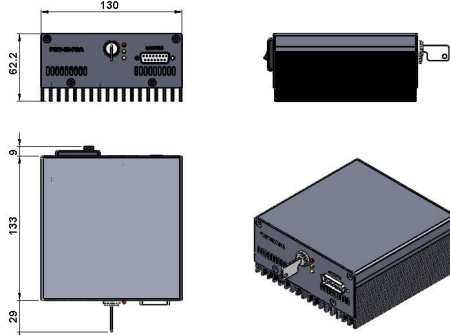
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

Model		MDL-III-445	MDL-III-447	MDL-III-450
Central wavelength (nm)		445±5	447±5	450±5
Operating mode		CW		
Output power (mW)		>1,50,...,500	>500,600,...,1000	
Power stability (rms, over 4 hours)		<3%, <2%, <1%, <0.5%		
Transverse mode		Multimode		
Beam diameter at the aperture ((1/e ²),mm)		<2.5×5.2	<2×5	
Beam divergence, full angle (mrad)		<2.1×1.6	<2.5×0.2	
Polarization ratio		>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)		
Warm-up time (minutes)		<5		
Beam height from base plate (mm)		24.8		
Operating temperature (℃)		10~35		
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz) PSU-A-D (Frequency for 30kHz -100kHz)		
	100-240VAC			
Modulation optional		TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional		
Expected lifetime (hours)		10000		
Warranty		1 year		



MDL-III-445/447/450	PSU-III-LED	PSU-III-FDA	PSU-A-D
 143.5(L)×73(W)×46.2(H) mm³, 0.7kg	 188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg	 171(L) ×130(W) ×62.2 (H) mm³, 1.2kg	 162(L) ×144(W) ×70 (H) mm³, 1.0kg