



MDL-H-444/1~4500mW



BLUE DIODE LASER  
AT 444nm

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)	444±2	
Operating mode	CW	
Output power (mW)	>1,100,200...1500	>1,100,500...4500
Power stability (rms, over 4 hours)	<1%, <2%, <3% (<0.5%, optional)	
Transverse mode	Multimode	
Beam diameter at the aperture (mm)	~2.7×2.7	~3.5×3.5
Beam divergence, full angle (mrad)	1.4×0.2	
Polarization ratio	>50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional)	
Warm-up time (minutes)	<5	
Beam height from base plate (mm)	45	
Operating temperature (°C)	10~35	
Power supply (100-240VAC)	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	



MDL-H-444	PSU-III-LED	PSU-III-FDA
<p>160 (L) × 77 (W) × 60 (H) mm<sup>3</sup>, 0.9kg</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>