

MBL-H-480/1~30mW



LD PUMPED ALL-SOLID-STATE  
BLUE LASER AT 480 nm

All solid state 480 nm blue laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is used in fluorescence sensors, Raman spectrum, laser printing, holography, laser display, submarine communication, biomedicine, laser lighting show, etc.



SPECIFICATIONS

Central wavelength (nm)	480±1
Output power (mW)	>1, 2, 3,5, ... ,30
Transverse mode	Near TEM <sub>00</sub>
Operating mode	CW
Power stability (rms, over 4 hours)	<5%, <10%
Warm-up time (minutes)	<10
M <sup>2</sup> factor	<3.0
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~3.0
Beam height from base plate (mm)	29
Polarization ratio	>100:1
Noise of amplitude (rms, 1~20MHz)	~30%
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED /PSU-H-FDA/PSU-SR
Expected lifetime (hours)	10000
Warranty period	1 year



MBL-H-480	PSU-H-LED	PSU-H-FDA	PSU-SR
<p>154.5(L)×77(W)×60(H) mm<sup>3</sup>, 0.9 kg</p>	<p>277(L)×145(W)×106(H) mm<sup>3</sup>, 2.6 kg</p>	<p>275(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p>	<p>188(L)×145(W)×83(H) mm<sup>3</sup>, 1.2 kg</p>