

**MGL-III-589/1~50mW**



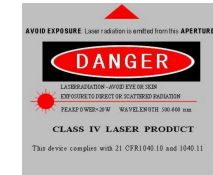
**LD PUMPED ALL-SOLID-STATE YELLOW LASER AT 589nm**

All solid state laser at 589nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



**SPECIFICATIONS**

Wavelength (nm)	589 ± 1
Operating mode	CW
Output power (mW)	>1, 2, 10, ...,50
Power stability (rms, over 4 hours)	<2% , <3%, <5%
Transverse mode	TEM <sub>00</sub>
M <sup>2</sup> factor	<1.5
Beam diameter at the aperture 1/e <sup>2</sup> (mm)	~1.2
Beam divergence, full angle (mrad)	<1.2
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	24.8
Polarization ratio	>100:1, Horizontal±5 degree (Vertical Optional)
Operating temperature (°C)	10~35
Power supply (90-264VAC or 5VDC)	PSU-III-LED/PSU-III-FDA/PSU-III-OEM-97
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option
Expected lifetime (hours)	10000
Warranty	1 year



MGL-III-589	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>140.5 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.6kg</p>	<p>188 (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>	<p>94(L) × 75(W) × 49(H) mm<sup>3</sup>, 0.23kg</p>