

# Opto Engine LLC

## Data sheet

MGL-N-589/100~500mW





### 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.



Wavelength (nm)	589±2		
Output power (mW)	>100, 200, 300,.....500		
Transverse mode	Near TEM <sub>00</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%, <10%		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<2.0		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at the aperture (mm)	~3. 0		
Beam height from base plate (mm)	68.2		
Operating temperature (°C)	10~35		
Power supply (89-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-N-589	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
			
235(L)×99(W) ×94(H) mm <sup>3</sup> , 2. 6 kg	240 (L) ×146(W) ×108 (H) mm <sup>3</sup> , 2.6 kg	238 (L) ×146(W) ×102 (H) mm <sup>3</sup> , 2.3 kg	215 (L) ×108(W) ×122 (H) mm <sup>3</sup> , 2.145 kg
