

Opto Engine LLC

Data sheet

Rev. 0912

MGL-W-589/800~2500mW

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

All solid state 589 nm yellow laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



SPECIFICATIONS

Wavelength (nm)	589±2	
Output power (mW)	>800, 850, 900, ..., 2500	
Transverse mode	Near TEM ₀₀	
Operating mode	CW	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Warm-up time (minutes)	<10	
M ² factor	3.0~6.0	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (mm)	~4.0	
Beam height from base plate (mm)	93.5	
Pointing stability after warm-up (mrad)	<0.05	
Polarization ratio	>100:1	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED	PSU-W-FDA
Expected lifetime (hours)	10000	
Warranty period	1 year	



MxL-W-589	PSU-W-LED	PSU-W-FDA
<p>333(L)×140(W) ×125(H) mm³, 6.1 kg</p>	<p>300 (L) ×162(W) ×134(H) mm³, 5.2 kg</p>	<p>307 (L) ×168(W) ×123(H) mm³, 5.1 kg</p>