## **Specification Sheet**

Ultralasers, Inc

MGL-F-589/1~300mW



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

All solid state 589nm laser is made features of high output power stability, good beam profile. ultra compact, longlifetime, low cost and easy operating, whichis widely used in collimation, treatment, scientific experimental, medical instrument, etc









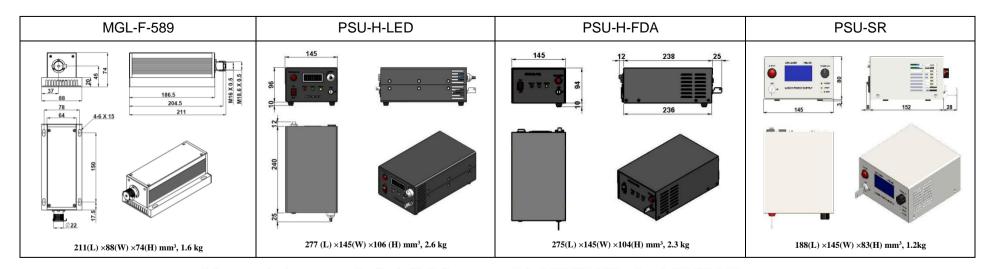


Wavelength (nm)	589±1
Operating mode	CW
Output power (mW)	1 - 300
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	$TEM_{00}$
M <sup>2</sup> factor	<1.5
Beam diameter at the aperture (1/e², mm)	<2.5
Beam divergence, full angle (mrad)	<2.0
Beam height from base plate (mm)	45
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<5
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
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option
Expected lifetime (hours)	10000
Warranty	1 year





Note: The laser head needs to be used on a heat sink with good heat dissipation.



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