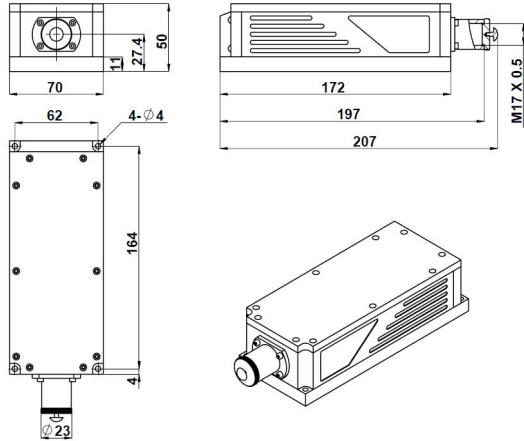


**SPECIFICATIONS**

Part number	MGL-FN-537	MGL-FN-543		MGL-FN-543.5	MGL-FN-545	MGL-FN-550	MGL-FN-552
Wavelength (nm)	537±1	543±1		543.5±1	545±1	550±1	552±1
Operating mode	CW						
Output power (mW)	1-30	1-500	500-1000	1-100	1-100	1-200	1-300
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<3%, <2%, <1%		<3%, <2%, <1%	<5%, <3%	<5%, <3%	<5%, <3%, <2%
Transverse mode	Near TEM <sub>00</sub>	TEM <sub>00</sub>	Near TEM <sub>00</sub>	TEM <sub>00</sub>	Near TEM <sub>00</sub>		
M <sup>2</sup> factor	<1.5	<1.2			<1.5	<1.5	/
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<2.0						
Beam divergence, full angle (mrad)	<1.5						<2.0
Polarization Ratio	>50:1, Horizontal (Vertical Optional)	>100:1, Vertical (Horizontal Optional)			>50:1, Vertical (Horizontal Optional)	>100:1, Vertical (Horizontal Optional)	
Warm-up time (minutes)	<5						
Pointing stability after warm-up (mrad)	<0.05						
Beam height from base plate (mm)	27.4						
Operating Temperature (°C)	10-35						
Modulation optional	TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz; and Analog modulation optional						
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR						
Expected lifetime (hours)	10000						
Warranty	1 year						

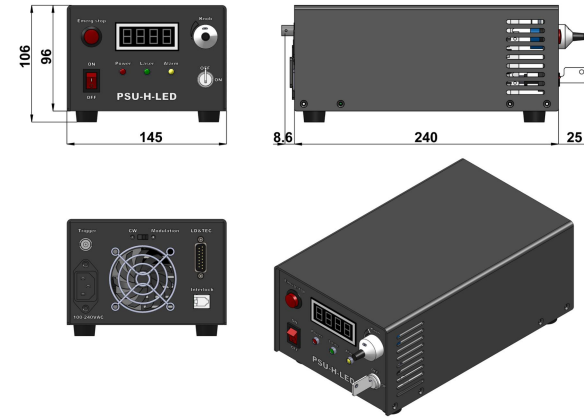
Note: The laser head needs to be used on a heat sink with good heat dissipation.

### LASER HEAD



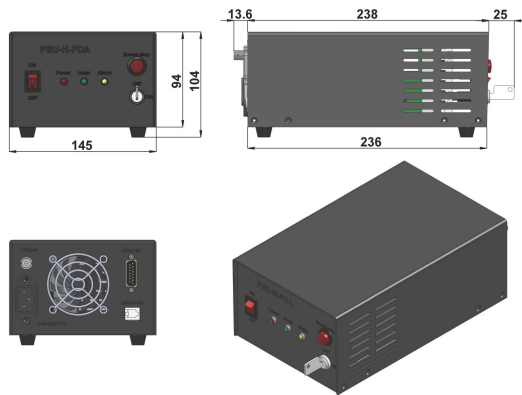
197(L)×70(W)×50(H) mm<sup>3</sup>, 1.5 kg

### POWER SUPPLY (PSU-H-LED)



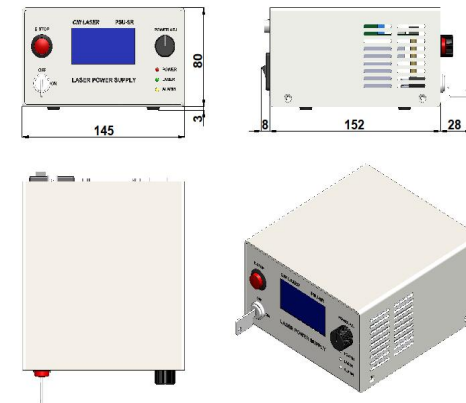
273.6 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.3 kg

### POWER SUPPLY (PSU-H-FDA)



276.6(L) ×145(W) ×103.6(H) mm<sup>3</sup>, 2.3 kg

### POWER SUPPLY (PSU-SR)



188(L) ×145(W) ×83(H) mm<sup>3</sup>, 1.2kg