

# Opto Engine LLC

## Data sheet

Rev. 1812

MDL-XD-650/655/3000-4500mW



### RED DIODE LASER AT 650/655nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in measurement, spectrum analysis, laser lighting show, etc.



### SPECIFICATIONS

Central wavelength (nm)	650±10/ 655±10
Operating mode	CW
Output power (mW)	>3000, 3500, ...,4500
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Polarization direction	Horizontal/ Vertical
Beam diameter at the aperture (mm)	~9.5×14
Beam divergence, full angle (mrad)	<3.5×4.0
Warm-up time (minutes)	<5
Beam height from base plate (mm)	89
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-N-LED/ PSU-N-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional
Expected lifetime (hours)	10000
Warranty	1 year



MDL-XD-650/655	PSU-N-LED	PSU-N-FDA
<p>226(L)×150(W)×115(H) mm<sup>3</sup>, 6.6 kg</p>	<p>307(L)×150(W)×106(H) mm<sup>3</sup>, 3.0kg</p>	<p>307(L)×150(W)×106(H) mm<sup>3</sup>, 3.0kg</p>