

DATA SHEET



BLUE LASER AT 460nm

It features ultra-compact design, long lifetime, cost-effective and easy operating. The lasers are widely used in laser projection, stage lighting, biomedical applications, metrology, etc.

Wavelength (nm)		460 ± 10nm
Output power (mW)		>1, 10, 20, ..., 80
Transverse mode		Near TEM ₀₀
Operating mode		CW
Power stability (rms, over 4 hours)		<1%, <3%, <5%
Warm-up time (minutes)		<5
Beam divergence, full angle (mrad)		<1.0
M ² factor		<1.5
Beam diameter at the aperture (mm)		~3.5
Beam height from base plate (mm)		24.8
Polarization ratio		>50:1 (>100:1 optional)
Pointing stability after warm-up (mrad)		<0.05
Operating temperature (°C)		10~35
Power supply	85-264VAC	PSU-III-LED/PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D(Frequency for 30kHz-100kHz)
Modulation option		TTL/Analog 1Hz-100kHz, optional
Expected lifetime (hours)		10,000
Warranty period		1 year



MDL-III-460L	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	<p>188.6(L)×155(W) ×92(H) mm³, 1.5kg</p>	<p>171(L)×130(W)×62.2(H) mm³, 1.2kg</p>	<p>188.6(L)×155(W) ×92(H) mm³, 1.5kg</p>