

MDL-III-447/1~1000mW

BLUE DIODE LASER AT 447 nm

Blue diode laser module at 447nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

| | | | |
|---|---|----------------|-------------------|
| Wavelength (nm) | 447±5 | | |
| Operating mode | CW | | |
| Output power (mW) | >1,2, ...,50 | >50,60,...,500 | >500,600,...,1000 |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | | |
| Transverse mode | Near TEM ₀₀ | Multimode | Multimode |
| M ² factor | <1.5 (<1.2, optional) | <5 | <5 |
| Beam diameter at the aperture ((1/e ² ,mm) | ~2.5 (~1.0, optional) | <2.5×5.2 | <2×5 |
| Beam divergence, full angle (mrad) | <1 | <2.1×1.6 | <2.5×0.2 |
| Polarization ratio | >50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional) | | |
| Warm-up time (minutes) | <5 | | |
| Beam height from base plate (mm) | 24.8 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (85-264VAC) | PSU-III-LED/ PSU-III-FDA | | |
| TTL / Analog modulation | TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty | 1 year | | |

