

MDL-III-454/90~800mW



**BLUE DIODE LASER
AT 454nm**

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in laser projection, stage lighting, biomedical applications, metrology, etc.



SPECIFICATIONS

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| Central wavelength (nm) | 454±5 | |
| Operating mode | CW | |
| Output power (mW) | >90,100,...,500 | >600,650,...,800 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% (<0.5%, optional) | |
| Transverse mode | Multimode | |
| Beam diameter at the aperture ((1/e ²),mm) | <2.5×5.2 | <2×5 |
| Beam divergence, full angle (mrad) | <2.1×1.6 | <2.5×0.2 |
| 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 (Frequency for 1Hz-30kHz) |
| | 100-240VAC | PSU-A-D (Frequency for 30kHz -100kHz) |
| TTL / Analog modulation | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| MDL-III-454 | 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>162(L) ×144(W) ×70 (H) mm³, 1.0kg</p> |