

MLL-III-457/1~1000mW

SPECIFICATIONS



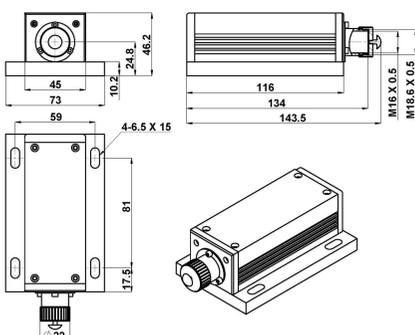
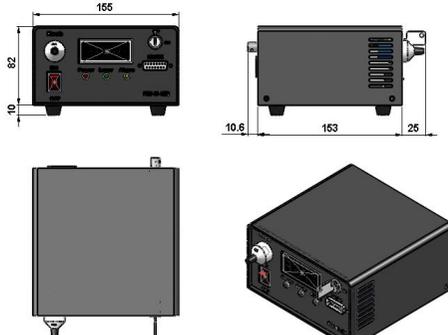
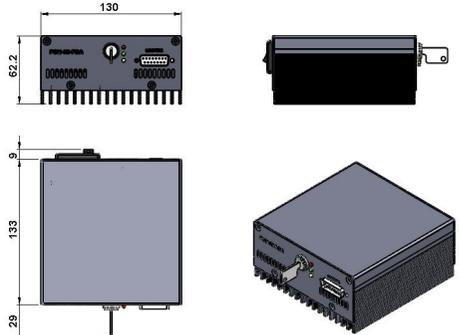
LOW NOISE BLUE LASER
AT 457nm

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



| | | | |
|--|--|--|-------------------|
| Central wavelength (nm) | 457±1 | | |
| Operating mode | CW | | |
| Output power (mW) | >1, 10, 20, ..., 80 | >80,90,...,500 | >500,600,...,1000 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% (<0.5%, optional) | | |
| Transverse mode | Near TEM ₀₀ | Multimode | |
| Noise of amplitude(rms,20Hz~20MHz) | <1% | | |
| Spectral linewidth (nm) | ~2 | | |
| M ² factor | <1.5 (<1.2, optional) | / | / |
| Beam diameter at the aperture (1/e ² ,mm) | ~3.5 (~1.2, 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 (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 | | |



| MLL-III-457 | 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> |