

MLL-III-510/1~30mW



LOW NOISE GREEN DIODE LASER MODULE AT 510 nm

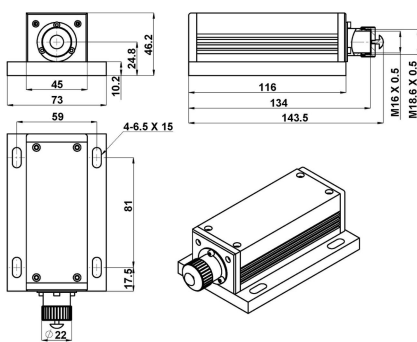
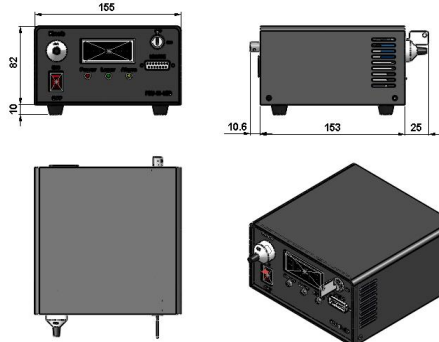
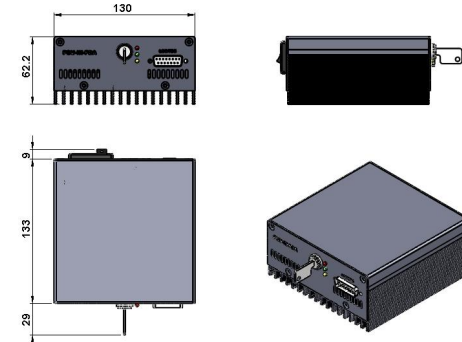

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in biological, medical, laser pumping, scientific research, etc.



SPECIFICATIONS

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| Central wavelength (nm) | 510±5 | |
| Operating mode | CW | |
| Output power (mW) | >1, 2, 3, ..., 30 | |
| Power stability (rms, over 4 hours) | <3%, <2%, <1%, <0.5% | |
| Transverse mode | Near TEM ₀₀ | |
| Noise of amplitude(rms,20Hz~20MHz) | <1% | |
| M ² factor | <1.5 (<1.2, optional) | |
| Beam diameter at the aperture ((1/e ²),mm) | ~3.0 (~1.2, optional) | |
| Beam divergence, full angle (mrad) | <1.0 | |
| Warm-up time (minutes) | <5 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| 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-510 | 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> |