

MBL-N-457/1000~2000mW

LD PUMPED ALL-SOLID-STATE BLUE LASER AT 457NM





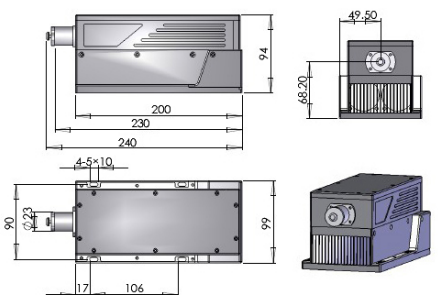
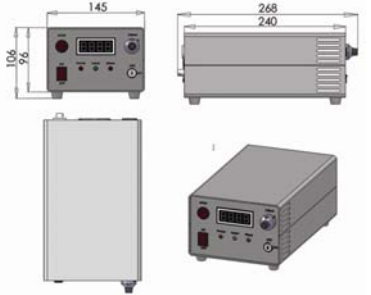
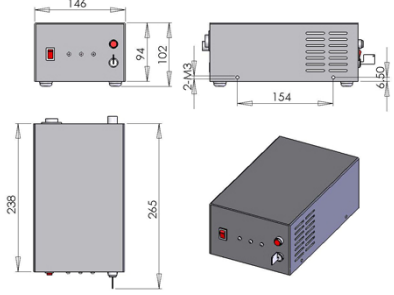
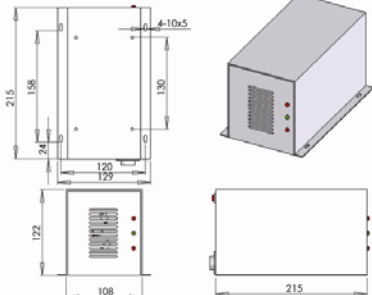
All solid state 457 nm blue laser is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

| | | |
|-------------------------------------|---|-----------------------------|
| Model | MBL-N-457A (Good beam) | MBL-N-457B (Normal Product) |
| Wavelength (nm) | 457±1 | |
| Output power (mW) | >1000, 1200, ..., 1500 | >1000, 1500, ..., 2000 |
| Transverse mode | TEM ₀₀ | Near TEM ₀₁ |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5%, <10% | |
| Warm-up time (minutes) | <10 | |
| M ² factor | <1.5 | <3.0 |
| Beam divergence, full angle (mrad) | <1.2 | |
| Beam diameter at the aperture (mm) | ~2.0 | ~3.0 |
| Beam height from base plate (mm) | 68.2 | |
| Polarization ratio | >100:1 | |
| Operating temperature (°C) | 20~30 | 10~35 |
| Power supply (90-264VAC) | PSU-H-LED/PSU-H-FDA/PSU-N-OEM | |
| Modulation option | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option | |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |



| MBL-N-457 | PSU-H-LED | PSU-H-FDA | PSU-N-OEM |
|---|--|---|---|
|  <p>240(L)×99(W)×94(H) mm³, 2.6 kg</p> |  <p>268(L)×145(W)×106(H) mm³, 2.6 kg</p> |  <p>238(L)×146(W)×102(H) mm³, 2.3 kg</p> |  <p>215(L)×129(W)×122(H) mm³, 2.145 kg</p> |
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