

MDL-F-442/1000~3500mW

SPECIFICATIONS



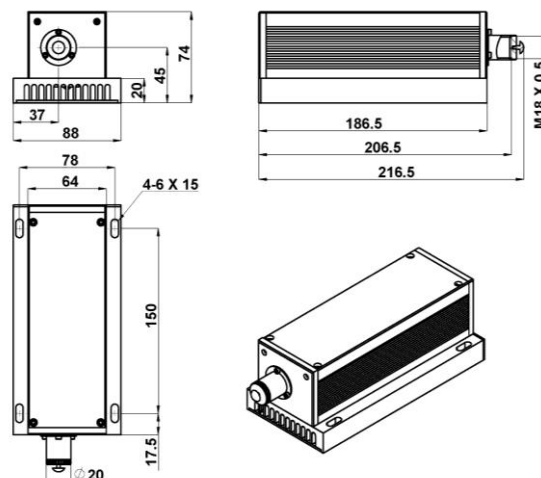
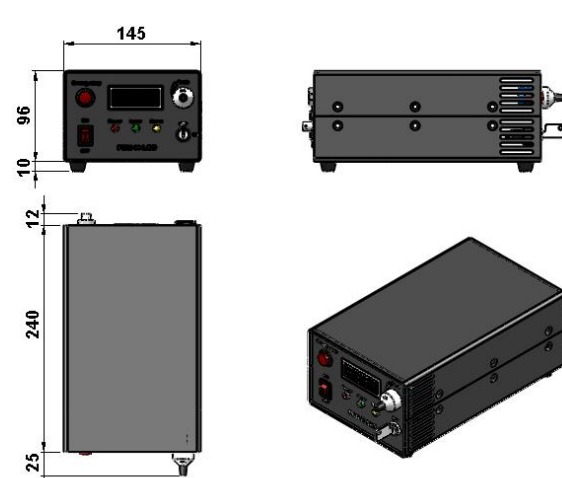
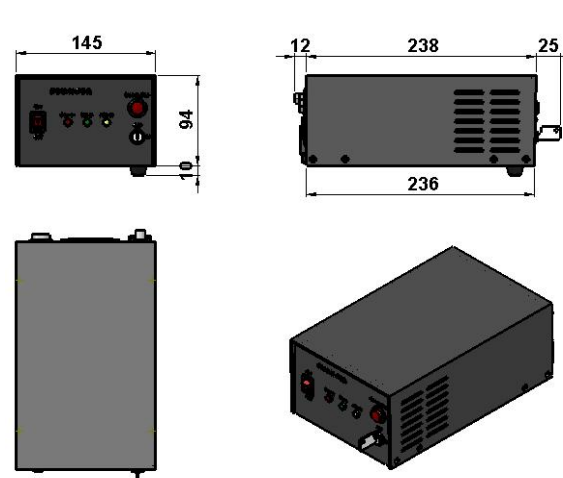
BLUE DIODE LASER
AT 442nm

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) | 442±5 | |
| Operating mode | CW | |
| Output power (mW) | >1000, 1100, 1200, ..., 2000 | >2000, 2100, 2200, ..., 3500 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% (<0.5%, optional) | |
| Transverse mode | Multimode | |
| Beam diameter at the aperture ((1/e ²),mm) | ~2.7×2.7 | ~3.5×3.5 |
| Beam divergence, full angle (mrad) | 1.4×0.2 | |
| Warm-up time (minutes) | <5 | |
| Beam height from base plate (mm) | 45 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (100-240VAC) | PSU-H-LED/ PSU-H-FDA | |
| TTL / Analog modulation | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| MDL-F-442 | PSU-H-LED | PSU-H-FDA |
|--|--|---|
|  <p>216.5 (L) ×88(W) ×74 (H) mm³, 1.4kg</p> |  <p>277 (L) ×145(W) ×106(H) mm³, 2.3kg</p> |  <p>275 (L) ×145(W) ×104(H) mm³, 2.1kg</p> |