

MDL-F-454/800~2000mW



**BLUE DIODE LASER
AT 454nm**

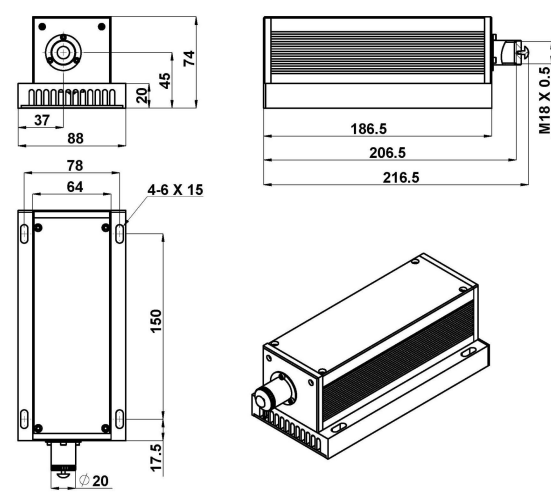
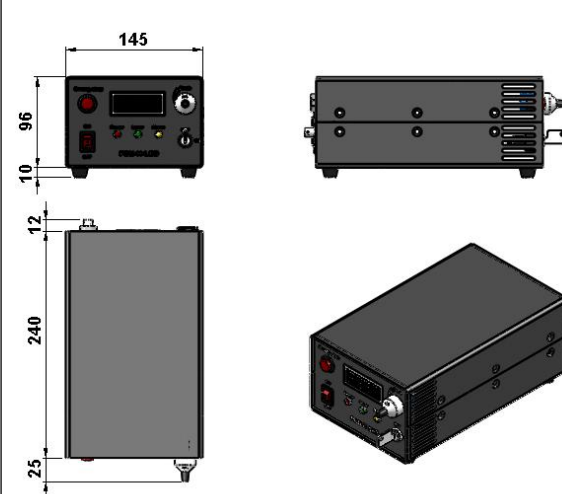
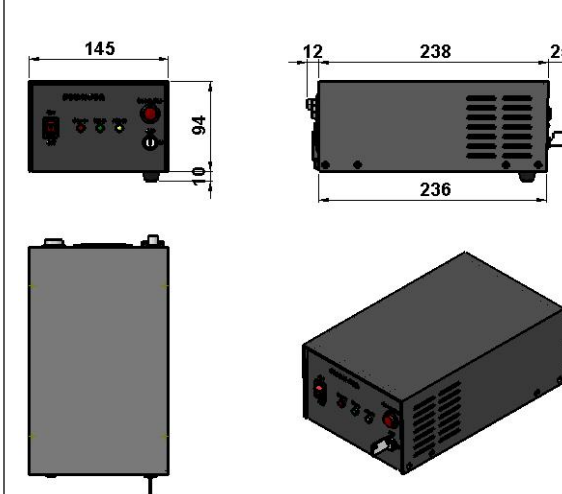
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, biomedical applications, ect.



SPECIFICATIONS

| | |
|--|---|
| Central wavelength (nm) | 454±5 |
| Operating mode | CW |
| Output power (mW) | >800, 1000, 1200, ...,2000 |
| 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 |
| Beam divergence, full angle (mrad) | 1.4×0.2 |
| Polarization ratio | >50:1 (>100:1, optional) Horizontal±5 degree (Vertical Optional) |
| Warm-up time (minutes) | <5 |
| Beam height from base plate (mm) | 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-454 | 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> |