

MLL-F-447/1000~3500mW

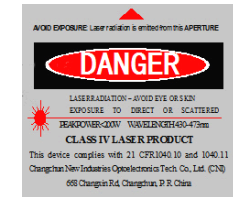
LOW NOISE BLUE DIODE LASER AT 447 nm

Low noise diode laser module at 447 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in scientific research, ect.







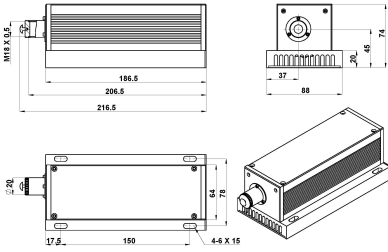

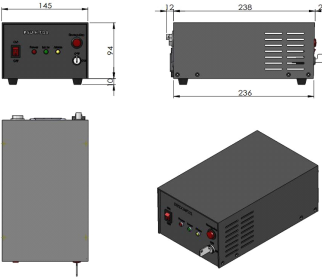
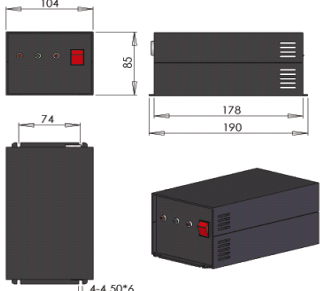
SPECIFICATIONS

| | | |
|-----------------------------------------|-----------------------------------------------------------|-----------------------|
| Model | MLL-F-447 | |
| Wavelength (nm) | 447±5 | |
| Output power (mW) | >1000, 1500, ...,2000 | >2000, 2500, ...,3500 |
| Transverse mode | Multimode | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | |
| Warm-up time (minutes) | <5 | |
| M ² factor | <5 | |
| Beam divergence, half angle (mrad) | 0.7×0.1 | |
| Beam diameter at the aperture (mm) | ~2.7×2.7 (1/e ²) / 1.7×1.7 (FWHM) | ~4×4 |
| Beam height from base plate (mm) | 45 | |
| Polarization ratio | >50:1 (0 or 90 degree) | |
| Noise of amplitude (rms, 20Hz~20MHz) | <1% | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Shock Tolerance (6ms) | 7g laterally, 15g vertically | |
| Operating temperature (°C) | 10~35 | |
| Power supply (100-240VAC) | PSU-H-LED / PSU-H-FDA / PSU-H-OEM-S | |
| Modulation option | TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off | |
| Expected lifetime (hours) | 10000 | |



Warranty period

1 year

| MLL-F-447 | PSU-H-LED | PSU-H-FDA | PSU-H-OEM-S |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>216.5(L)×88(W) ×74(H) mm³, 1.6 kg</p> |  <p>277(L) ×145(W) ×106 (H) mm³, 2.2 kg</p> |  <p>275 (L) ×145(W) ×104(H) mm³, 2.0 kg</p> |  <p>190(L)×104(W) ×85(H) mm³, 1.3 kg</p> |
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