

MDL-F-445/447/450/1000~3500mW



BLUE DIODE LASER AT 445/447/450nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

| Model | MDL-F-445 | MDL-F-447 | MDL-F-450 |
|--|---|-----------|-----------------------------|
| Central wavelength (nm) | 445±5 | 447±5 | 450±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 | | |
| 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-445/447/450 | 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> |