

MDL-III-445/1~1000mW

BLUE DIODE LASER AT 445nm

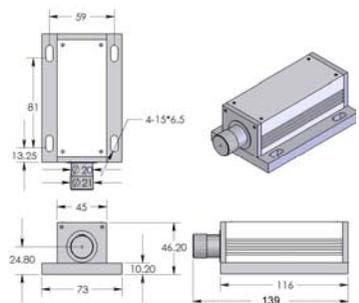
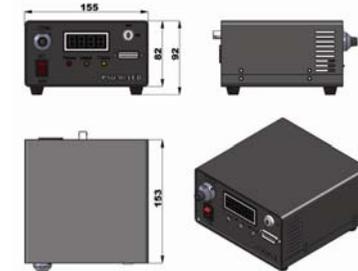
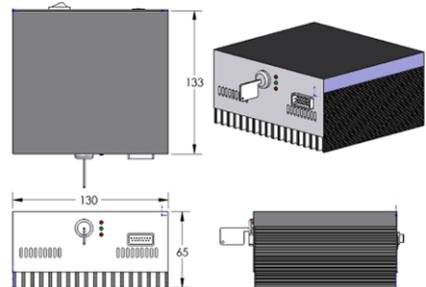
Diode laser module at 445 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in scientific research, laser pointing, show and RGB mixed laser systems applications.



SPECIFICATIONS

| | | |
|---|---|---------------------|
| Wavelength (nm) | 445±5 | |
| Output power (mW) | >1, 10, 20, ...,500 | >500, 600, ...,1000 |
| Transverse mode | Near TEM ₀₀ | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | |
| Warm-up time (minutes) | <5 | |
| Beam divergence, full angle (mrad) | <1.5 | <3.0×0.5 |
| Dimensions of beam at the aperture (mm) | ~5 | ~2×4 |
| Beam height from base plate (mm) | 24.8 | |
| Pointing stability after warm-up (mrad) | <0.05 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC) | PSU-III-LED | PSU-III-FDA |
| Modulation option | TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off | |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |



| MxL-III-445 | PSU-III-LED | PSU-III-FDA |
|--|--|---|
|  <p>139(L)×73(W)×46.2(H) mm³, 0.6kg</p> |  <p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p> |  <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p> |
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