

## MDL-F-465/800-1500mW

## SPECIFICATIONS



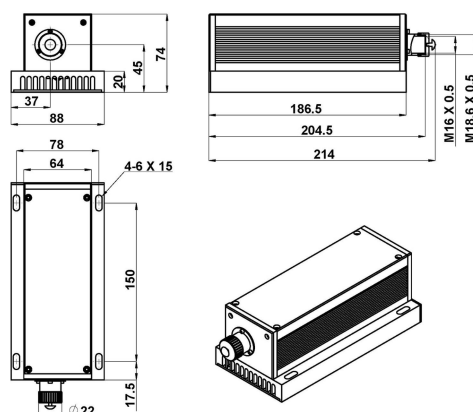
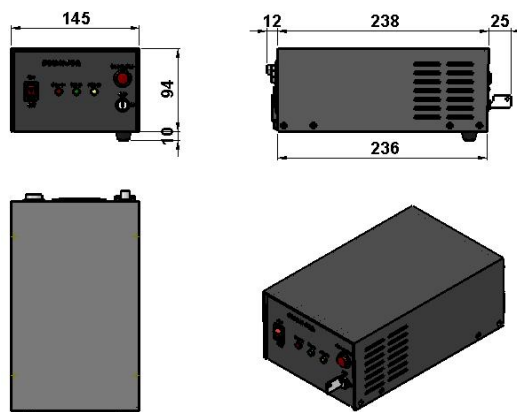
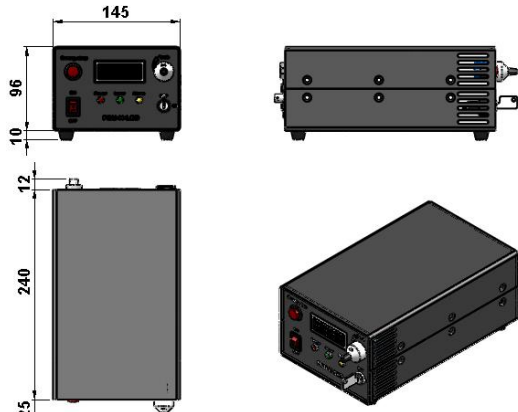
### BLUE DIODE LASER AT 465nm

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)                               | 465±5                                                              |
| Operating mode                                        | CW                                                                 |
| Output power (mW) <sup>1</sup>                        | 800-1500                                                           |
| Power stability (rms, 4 hours ± 3°C)                  | <2%, <1%, <0.5%                                                    |
| Transverse mode                                       | Multimode                                                          |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~3.0×3.5                                                           |
| Beam divergence, full angle (mrad)                    | ~2.5×0.5                                                           |
| Warm-up time (minutes)                                | <5                                                                 |
| Cooled method                                         | Air cooled                                                         |
| Beam height from base plate (mm)                      | 45                                                                 |
| Operating temperature (°C)                            | 10-35                                                              |
| Power supply (100-240VAC)                             | PSU-H-FDA/PSU-H-LED                                                |
| Modulation option                                     | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional |
| Expected lifetime (hours)                             | >10000                                                             |



| LASER HEAD                                                                                                                                | POWER SUPPLY (PSU-H-FDA) <sup>2</sup>                                                                                                        | POWER SUPPLY (PSU-H-LED) <sup>3</sup>                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>214 (L) × 88 (W) × 74 (H) mm<sup>3</sup>, 1.4kg</p> |  <p>275 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.1kg</p> |  <p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.3kg</p> |

1 Any power level can be selected in this range.

2 Fixed output power; Modulation up to 30kHz.

3 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.