

MDL-III-380/1~150mW



BLUE DIODE LASER  
AT 380nm

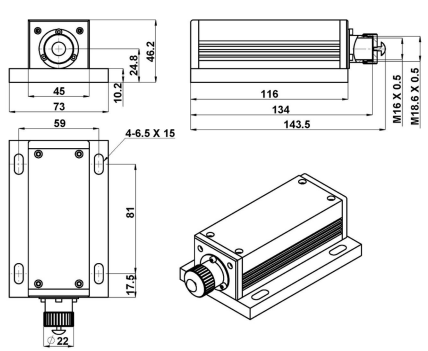
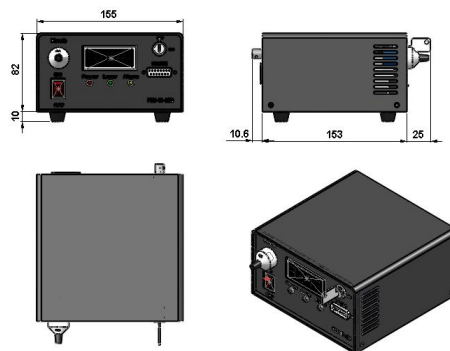
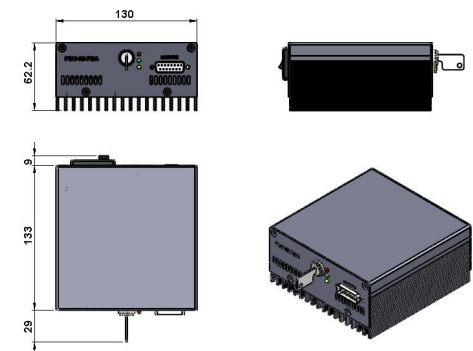
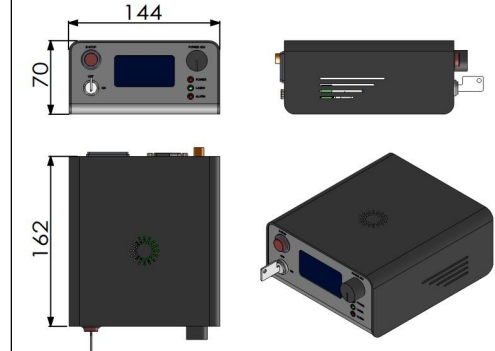
It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in medical imaging, flow cytometry, DNA sequencing, etc.



SPECIFICATIONS

|  |  |  |
|--|--|--|
| Central wavelength (nm)                              | 380±5  |  |
| Operating mode                                       | CW   |  |
| Output power (mW)                                    | >1,50,...,150  |  |
| Power stability (rms, over 4 hours)                  | <3%, <2%, <1%, <0.5%   |  |
| Transverse mode                                      | Multimode  |  |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~2.5×4.0   |  |
| Beam divergence, full angle (mrad)                   | ~2.0×0.5   |  |
| Polarization ratio                                   | >50:1 (>100:1, optional)<br>Horizontal±5 degree (Vertical Optional)                            |  |
| Warm-up time (minutes)                               | <5   |  |
| Beam height from base plate (mm)                     | 24.8   |  |
| Operating temperature (°C)                           | 10~35  |  |
| Power supply   | 85-264VAC  | PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz) |
|  | 100-240VAC   | PSU-A-D (Frequency for 30kHz -100kHz)              |
| Modulation optional                                  | TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz;<br>and Analog modulation optional |  |
| Expected lifetime (hours)                            | 10000  |  |
| Warranty   | 1 year   |  |



| MDL-III-380  | PSU-III-LED  | PSU-III-FDA  | PSU-A-D  |
|--|--|--|--|
|  <p>143.5(L)×73(W)×46.2(H) mm<sup>3</sup>, 0.7kg</p> |  <p>188.6 (L)×155(W)×92 (H) mm<sup>3</sup>, 1.5kg</p> |  <p>171(L)×130(W)×62.2 (H) mm<sup>3</sup>, 1.2kg</p> |  <p>162(L)×144(W)×70 (H) mm<sup>3</sup>, 1.0kg</p> |