



MLL-XS-561

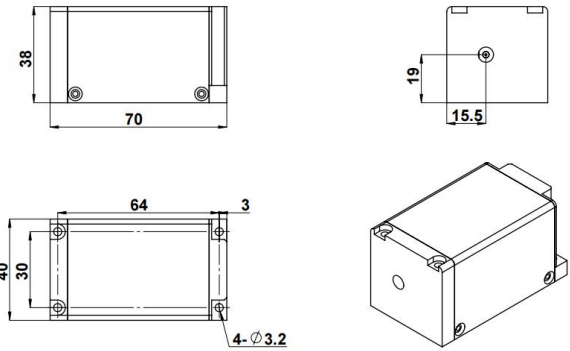
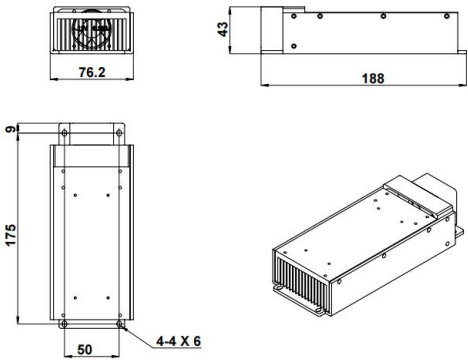
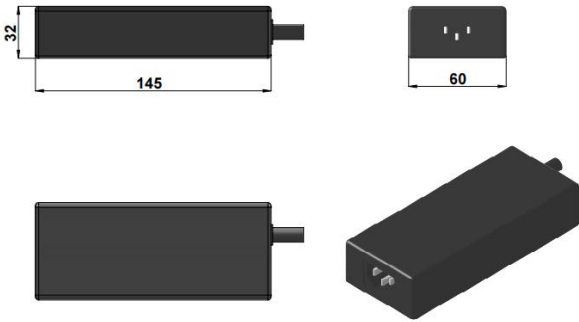
LD PUMPED ALL-SOLID-STATE LOW NOISE YELLOW GREEN LASER AT 561 nm

Low noise yellow green laser at 561 nm is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost -effectiveness and easy operating, which is widely used in flow cytometry, scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.



SPECIFICATIONS

|                                                                 |                               |
|-----------------------------------------------------------------|-------------------------------|
| Model                                                           | MLL-XS-561                    |
| Wavelength (nm)                                                 | 561±1                         |
| Operating mode                                                  | CW                            |
| Output power (mW) <sup>1</sup>                                  | 1-80                          |
| Power stability (rms, 4 hours ±3°C)                             | <2%, <1%                      |
| Transverse mode                                                 | TEM <sub>00</sub>             |
| Noise of amplitude (rms, 20Hz-20MHz)                            | <1% , (<0.5%, 0.25% optional) |
| M <sup>2</sup>                                                  | <1.2                          |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm)           | ~0.7                          |
| Beam divergence (mrad)                                          | <1.0                          |
| Polarization ratio                                              | >100:1, (Vertical ± 5 degree) |
| Warm-up time (minutes)                                          | <5                            |
| Pointing stability (μrad) (over 2 hours after warm-up and ±3°C) | <50                           |
| Beam height from base plate (mm)                                | 19                            |
| Operating temperature (°C)                                      | 10-35                         |
| Operating voltage (VDC)                                         | 12V/6.67A                     |
| Expected lifetime (hours)                                       | >10000                        |

| LASER HEAD <sup>2</sup>                                                                                                       | HEATSINK (optional TC-04-FS)                                                                                                              | POWER SUPPLY (100-240VAC) optional                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  <p>70(L) × 40(W) × 38(H) mm<sup>3</sup></p> |  <p>188(L) × 76.2(W) × 43(H) mm<sup>3</sup>, 0.65kg</p> |  <p>145(L) × 60(W) × 32(H) mm<sup>3</sup></p> |

1. Any power level can be selected in this range.
2. The laser head needs to be used on a heat sink with good heat dissipation.