

MGL-F-589/50~300mW



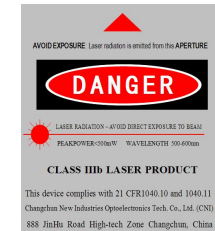
**LD PUMPED ALL-SOLID-STATE YELLOW LASER**

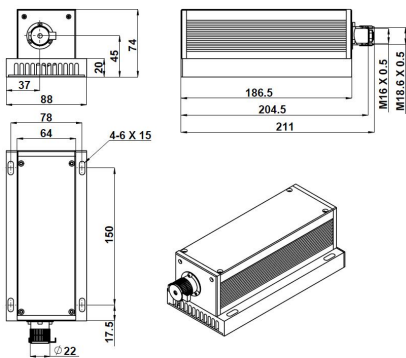
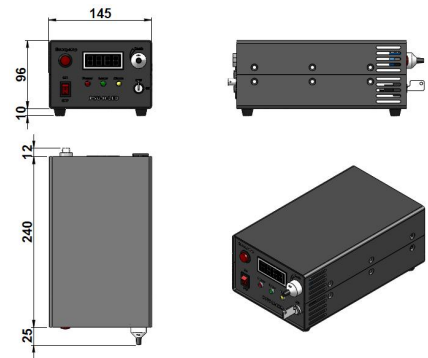
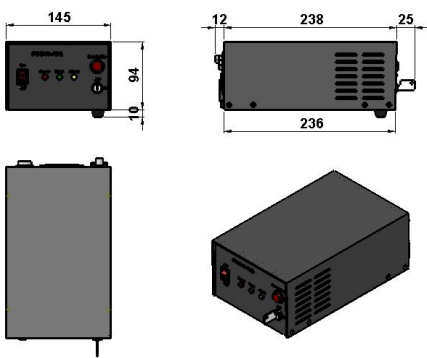

All solid state 589nm yellow laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



SPECIFICATIONS

|   |   |                |
|---|---|----------------|
| Central wavelength (nm)                             | 589 ± 1   |                |
| Operating mode                                      | CW  |                |
| Output power (mW)                                   | >50, 100, ..., 200  | >200, ..., 300 |
| Power stability (rms, over 4 hours)                 | <1%, <2%, <3%, <5%  | <3%, <5%       |
| Transverse mode                                     | TEM <sub>00</sub>   |                |
| M <sup>2</sup> factor                               | <2. 0   |                |
| Beam diameter at the aperture 1/e <sup>2</sup> (mm) | ~3. 0   |                |
| Beam divergence, full angle (mrad)                  | <2. 0   |                |
| Polarization ratio                                  | >100:1  |                |
| Warm-up time (minutes)                              | <10   |                |
| Pointing stability after warm-up (mrad)             | <0.05   |                |
| Beam height from base plate (mm)                    | 45  |                |
| Operating temperature (°C)                          | 10~35   |                |
| Power supply (100-240VAC)                           | PSU-H-LED/PSU-H-FDA/PSU-SR  |                |
| Modulation option                                   | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option |                |
| Expected lifetime (hours)                           | 10000   |                |
| Warranty period                                     | 1 year  |                |



| MGL-F-589  | PSU-H-LED  | PSU-H-FDA   | PSU-SR  |
|--|--|---|---|
|  <p>211 (L)×88(W)×74(H) mm<sup>3</sup>, 1.6 kg</p> |  <p>277 (L)×145(W)×106 (H) mm<sup>3</sup>, 2.6 kg</p> |  <p>275(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p> |  <p>188(L)×145(W)×83(H) mm<sup>3</sup>, 1.2kg</p> |