### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Wavelength</th>
<th>Option ± 1 nm available</th>
<th>Low noise version, Model No.</th>
<th>SLM version, Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>505 ± 3 nm</td>
<td>DL505-040 40 mW</td>
<td>DL505-025 25 mW</td>
<td>DL505-025-S 25 mW</td>
</tr>
<tr>
<td>515 ± 3 nm</td>
<td>DL515-120 120 mW</td>
<td>DL515-050 50 mW</td>
<td>DL515-070-S 70 mW</td>
</tr>
<tr>
<td></td>
<td>DL515-100 100 mW</td>
<td>DL515-035 35 mW</td>
<td>DL515-040-S 40 mW</td>
</tr>
<tr>
<td></td>
<td>DL515-070 70 mW</td>
<td>DL515-025 25 mW</td>
<td>DL515-025-S 25 mW</td>
</tr>
<tr>
<td>520 ± 3 nm</td>
<td>DL520-100 100 mW</td>
<td>DL520-050 50 mW</td>
<td>DL520-070-S 70 mW</td>
</tr>
<tr>
<td>520 ± 5 nm</td>
<td>DL520-070 70 mW</td>
<td>DL520-040 40 mW</td>
<td>DL520-025-S 25 mW</td>
</tr>
<tr>
<td>Multiple transverse mode</td>
<td>DL520-1W0 1 W</td>
<td>DL520-500-N 500 mW</td>
<td>Narrow line width 0.1nm</td>
</tr>
</tbody>
</table>

- **Longitudinal mode**: Multiple, Single
- **Spectrum linewidth**: 1 nm, typical, < 0.0001 nm or < 20 MHz
- **Coherence length**: < 0.3 mm, > 10 meters or >100 meters option
- **Output noise (rms, 10Hz-50MHz)**: < 0.5 %, < 0.5 %
- **Output stability over 24 hours (rms)**: < 1 %; Option: ultra-stable version < 0.25%, 2 % Option: ultra-stable version < 0.5%
- **Modulation options**: TTL 200Hz, 50kHz, 20MHz, 100 MHz, 200MHz; Analog control, Analog modulation, TTL on/off option
- **Transverse mode**: Circular beam, close to TEM00, M2 = 1.1 - 1.3
- **Beam diameter (1/e²)**: 1.1 mm, Option: 0.7X - 3X laser beam expanders are available to change beam size and divergence.
- **Beam divergence**: 0.8 mrad, e.g. 0.8 mm beam with 1.1 mrad divergence; or 2.0 mm beam with 0.44 mrad divergence
- **Beam pointing stability**: < 0.005 mrad/°C
- **Polarization ratio**: 100:1; Vertical linear polarization
- **Operation temperature**: 5 °C to 40 °C, internal TEC temperature-stabilized, no additional heat sink required
- **Warm-up time**: < 30 seconds
- **Operation voltage**: 90-250 VAC or 12VDC OEM version 11-16VDC
- **Dimensions and weight of laser head**: 3 x 3.6 x 13.5 cm³ (1.2 x 1.4 x 5.3 in³), 0.3 kg (0.6 lb)
- **Dimensions and weight of power supply**: Standard AC: 5 x 14 x 15 cm³ (2 x 5.5 x 6 in³), 0.5 kg (1 lb); CL-2005 power display AC: 5 x 16 x 15 cm³ 12 VDC OEM version: Integrated inside the laser head.

### Applications
- Holographics, Flow cytometry, Fluorescence, Confocal microscopy, Raman Spectroscopy
- Fiber coupling option: Single mode and multi-mode fiber delivery.
- CL-2005 power supply option: Power adjustable and power digital display.

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**Stabilized Compact 505/515/520 nm CrystaLaser®**

High reliability     High stability     Single longitudinal mode     Circular beam

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**All dimensions in mm**

**Front View**

Laser beam is output from this aperture

**Made in the USA**