

| System parameter | SL 02/1 | SL 02/2 |
|---|--|--|
| Beam polarization | single linearly polarized longitudinal mode | two mutually orthogonal linearly polarized modes |
| Wavelength | 632.8 nm | |
| Output power | ≥1,2 mW (typ. 1.5 mW) | ≥2,4 mW (typ. 3 mW) |
| Amplitude noise (30 Hz - 10 MHz) | <0.5 % | |
| Beam diameter (TEM ₀₀) | 0.63 mm | |
| Beam divergence (TEM ₀₀) | 1.3 mrad | |
| Warm-up time to achieve stable operation | ≤10 min | |
| Frequency stability 1min/ 1h/ 24h relatively or absolutely after 40 min warm-up | ±2·10 ⁻⁹ / ±5·10 ⁻⁹ / ±10·10 ⁻⁹ ca. ±1 MHz/ ±2,5 MHz/ ±5 MHz | |
| Max. thermal frequency drift | <2 MHz/K | |
| Max. tolerated optical feedback | <1·10 ⁻⁵ | |
| Operating temperature range | +15...+30 °C | |
| Storage temperature range | -40...+50 °C | |
| Typical life time | >25,000 h | |
| Geometric data | | |
| Dimensions (L x W x H): Laser head Power supply | Ø50 mm x 410 mm 105 mm x 68 mm x 39 mm | |
| Mass: Laser head Power supply | 900 g 350 g | |
| Internal thread standard | 1.000"-32 | |
| Length of cable connecting laser head and power supply | 1.5 m, optional bis 3 m | |
| Electrical data | | |
| Input voltage | 100...240 VAC / 47...63 Hz | |
| Power consumption during stabilization | <20 W | |
| Laser safety class according to DIN EN 60825-1:2014 ANSI Z136.1 (CDRH) | 3R IIIa | |

05/2023 · Subject to change.