CYFL-TERA series are Ytterbium-doped fiber lasers providing an output power up to 20 W. The Lumibird optical architecture permits to deliver a diffraction limited output beam suitable for spectroscopy.

Laser trapping, optical tweezing or spectroscopy are among the applications that can be met with the CYFL-TERA lasers series.

These ytterbium fiber lasers provide an output power of 20 W with a linewidth of few nm. CYFL-TERA are available in random or linear polarization. An amplitude modulation option is proposed to modulate the output power up to 1 KHz with an external TTL signal. These lasers are among the most efficient ones with a wall-plug efficiency of 20%. The lasers are available in standard as turnkey benchtops for laboratory environments.

The amplifiers are available in benchtops or compact OEM modules. The benchtop platforms offer the possibility to monitor the amplifier via the front panel or remotely via serial port. Both models offer robustness and reliability.

### Key features
- 1.0 µm
- 1060 to 1090 nm operating wavelength
- Output power up to 20 W
- Linewidth of a few nm
- Amplitude modulation (optional)
- Diffraction limited output
- Random or linear polarization
- High wall-plug efficiency
- Maintenance free

### What applications
- Optical component testing
- Laser trapping spectroscopy
- Atomic laser interferometry
- Optical tweezing

For ordering information and custom solutions, please contact us: websales@keopsys.com
Lumibird has locations across the globe that are available to provide support for any product, service or inquiry. Visit www.lumibird.com to connect with any of our global sites.

Lumibird undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.

### Optical Specifications @ 25 °C

<table>
<thead>
<tr>
<th>CYFL-TERA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mode of operation</td>
</tr>
<tr>
<td>Output power</td>
</tr>
<tr>
<td>Standard operating wavelength</td>
</tr>
<tr>
<td>Linewidth (FWHM)</td>
</tr>
<tr>
<td>Output power stability over 1 hour</td>
</tr>
<tr>
<td>Polarization</td>
</tr>
<tr>
<td>Amplitude modulation</td>
</tr>
<tr>
<td>Red laser guide</td>
</tr>
<tr>
<td>Output power monitor</td>
</tr>
<tr>
<td>Beam quality, M²</td>
</tr>
<tr>
<td>Output termination</td>
</tr>
</tbody>
</table>

The CYFL-TERA is available as turn-key benchtop or as OEM modules on specific request.

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**RELIABILITY**

The Lumibird range of fiber amplifiers are manufactured with tested components and are submitted to several inspections during the manufacturing process under a rigorous quality management certified in accordance with the ISO 9001:2015 standard. Our all-in-fiber systems offer maintenance-free operation. Countless units are continuously running in demanding environments with no failure.

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**GUARANTEE**

Our fiber systems are under 1 full year parts and labor warranty. We offer a warranty extension of 1 or 2 years. Please contact us.

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