## DAZZLER™ WB-800

Wide Band-cut 25mm DAZZLER™

### Specifications

**PROGRAMMABLE AMPLITUDE AND PHASE FILTER FOR FEMTOSECOND LASER PULSE SHAPING**

- **Ultra-compact device**
- **Advanced software functionalities**
- **In-line geometry**
- **Simple optical alignment**

### Key Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Wavelength tuning range</td>
<td>680 nm to 920 nm, 650 nm to 1100 nm</td>
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<tr>
<td>Instantaneous bandwidth</td>
<td>up to 240 nm, up to 450 nm</td>
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<tr>
<td>Spectral resolution</td>
<td>0.6 nm at 800 nm</td>
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<tr>
<td>Intensity control dynamic range</td>
<td>&gt; 45 dB</td>
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<td>Maximum programmable delay</td>
<td>3.5 ps at 800 nm</td>
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<td>Diffraction efficiency for operation up to 14 kHz</td>
<td>50% on a 100 nm bandwidth, 25% on a 200 nm bandwidth, 35% on a 400 nm bandwidth</td>
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<td>Typical acoustic waveform refreshing time</td>
<td>&lt; 3 ms</td>
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<td>Input beam requirements</td>
<td>30 μJ max on φ = 2.5 mm, collimated</td>
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<tr>
<td>Optical module dimensions</td>
<td>48 x 90 x 20 mm³</td>
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<tr>
<td>Typical optical jitter</td>
<td>&lt; 10 fs, &lt; 100 as</td>
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### Special feature for CEP control

Multi-kHz rate CEP control with the optional CEP modulation solution. This additional hardware allows dispersion-free, single-shot control of the CEP value down to 6 mrad resolution.

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Phone: +33 (0)4 88 13 17 51  
Fax: +33 (0)4 92 95 76 90  
E-mail: info@fastlite.com  

FASTLITE  
www.fastlite.com  
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