



## DAZZLER™ Qz-250-400

### UV DAZZLER™ specifications

**Programmable amplitude and phase filter  
for femtosecond pulse shaping**

- ✓ Ultra-compact device
- ✓ Advanced software functionalities

- ✓ In-line geometry
- ✓ Simple optical alignment

• Wavelength tuning range	250 nm to 400 nm
○ <i>Wavelengths outside this range are poorly or not diffracted</i>	
• Instantaneous bandwidth	up to 150 nm
• Spectral resolution	0.1 nm at 250 nm 0.2 nm at 400 nm
• Intensity control dynamic range	> 45 dB
• Maximum programmable delay	4.0 ps at 250 nm 2.9 ps at 400 nm
• Diffraction efficiency for operation up to 10 kHz	20% at 250 nm 10% at 400 nm
○ <i>For 30 to 70 fs input pulse duration</i>	
• Typical acoustic waveform refreshing time	< 10ms
• Input beam requirements	10 µJ max on $\phi = 1.5$ mm, collimated
• Optical module dimensions	113 x 194 x 30 mm <sup>3</sup>
• Typical optical jitter	< 10 fs ○ <i>With optional Low-jitter electronics</i>
	< 100 as

#### ✓ Special feature for multidimensional spectroscopy experiments

The optional Streaming mode allows to switch between pre-defined pulse shapes at repetition rates up to 500Hz. The maximum number of waveforms is over 100 000. Includes specific hardware, software, and synchronization management.

