FASTLITE by Amplitude

DAZZLER™ HR1030

High Resolution-cut 25mm DAZZLER™ specifications

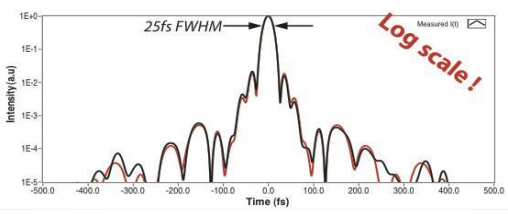
Programmable amplitude and phase filter for femtosecond pulse shaping

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

• Wavelength tuning range	910 nm to 1150 nm
○ *Wavelengths outside this range are poorly or not diffracted*	
• Instantaneous bandwidth	up to 240 nm
• Spectral resolution	0.5 nm at 1030 nm
• Intensity control dynamic range	> 45 dB
• Maximum programmable delay	7.5 ps at 1030 nm
• Diffraction efficiency for operation up to 10 kHz	50% on a 50 nm bandwidth 25% on a 100 nm bandwidth
○ *With optional 20W RF amplifier (up to 6kHz)*	40% on a 100 nm bandwidth
○ *With optional 50W external RF amplifier (up to 2.5kHz)*	40% on a 240 nm bandwidth
• Typical acoustic waveform refreshing time	< 3ms
• Input beam requirements	30 µJ max on ϕ = 2.5 mm, collimated
• Optical module dimensions	48 x 94 x 20 mm3
• Typical optical jitter	< 10 fs
○ *With optional Low-jitter electronics*	*< 100 as*

✓ **Special feature for CPA optimization**

High dynamic pulse compression optimization
When combined with the ***Wizzler*** feedback loop.



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