**WIZZLER**

Femtosecond pulse measurement device

*Models for short-wavelength infrared pulses*

- Highest dynamic range
- Single shot, single beam
- Extreme ease of use
- Calibration-free
- Direct retrieval algorithm
- Data logging
- Pulse compression optimization for Dazzler users

*Wizzler* products are based on a unique technique invented and patented by FASTLITE, in which a reference pulse with a flat spectral phase is collinearly generated from the input pulse by cross-polarized wave generation (XPW). The spectral interference pattern resulting from the combination of the input pulse and the reference pulse allows direct retrieval of the spectral phase and intensity.

**Relevant publications:**

T.Oksenhendler et al: "Self-referenced spectral interferometry"  

A.Moulet et al: "Single-shot, high dynamic-range measurement of sub-15fs pulses by self-referenced spectral interferometry"  

S.Grabielle et al: "Self-referenced spectral interferometry cross-checked with SPIDER on sub-15 fs pulses."  
Nima. (2011)

A.Trisorio et al: "Self-referenced spectral interferometry for ultrashort infrared pulse characterization"  

---

**Dimensions:** 300x450mm

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

Models for short-wavelength infrared pulses

### Input Pulse
- **Polarization**: linear
- **Beam diameter**: <3mm, collimated
- **Beam height**: custom down to 76mm

### Requirements
- **Min/Max energy**: see specification table
- **Max average power**: 1 W
- **Pulse compression**: < 1.2 x FTL pulse duration

**PC**: Windows XP or 7, with 2 USB ports

© FASTLITE 2012. Product specifications are subject to change at any time without prior notice.