

DATA SHEET

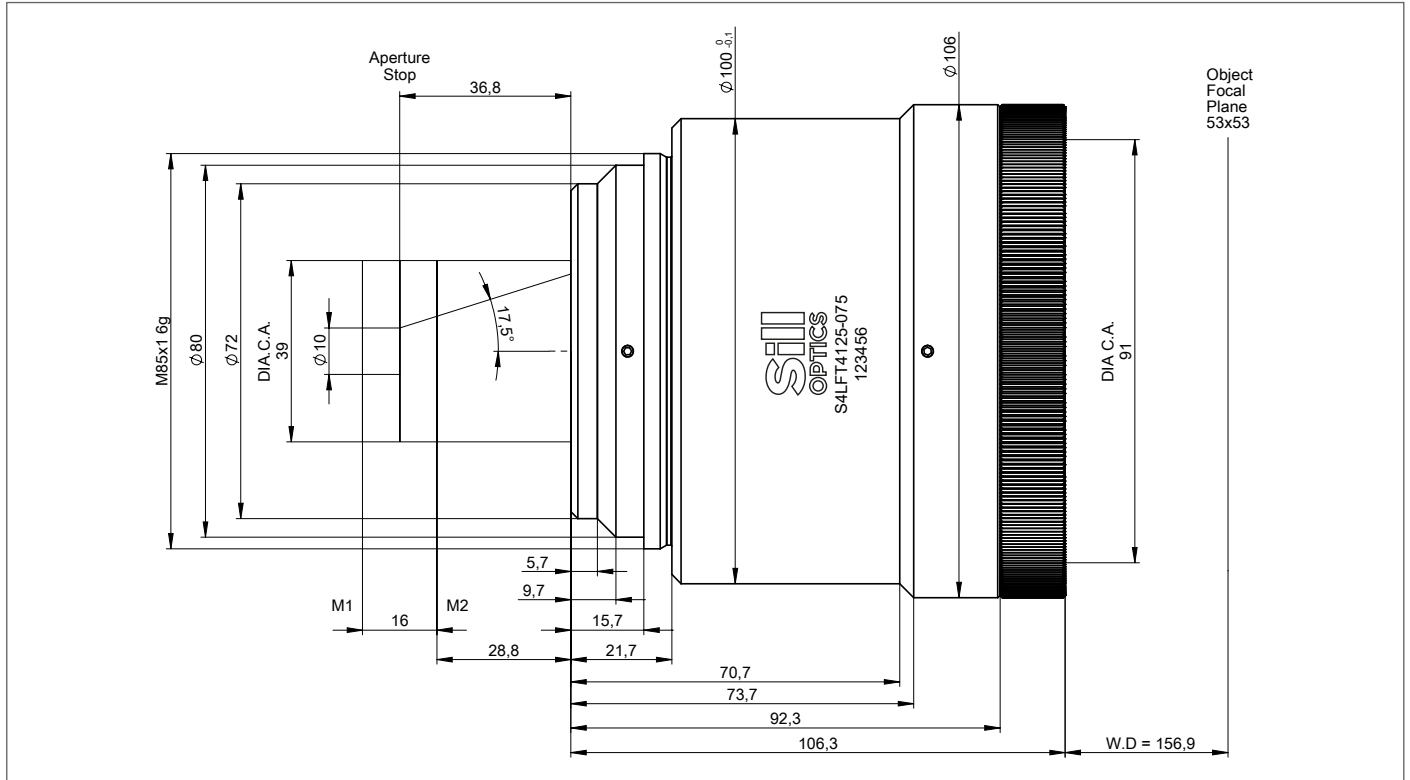
S4LFT4125-075

F-THETA
TELECENTRIC - FUSED SILICA
355 nm



ILLUSTRATION ONLY

OUTLINE DRAWING



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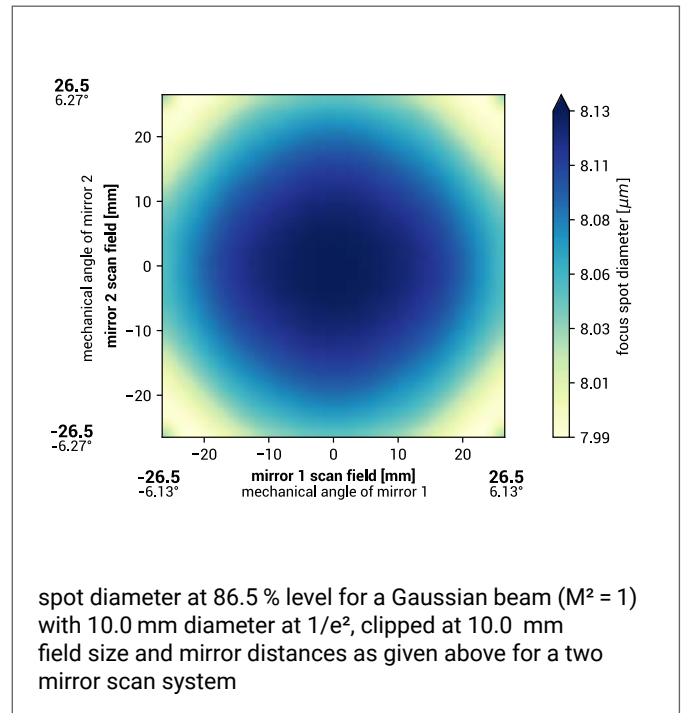
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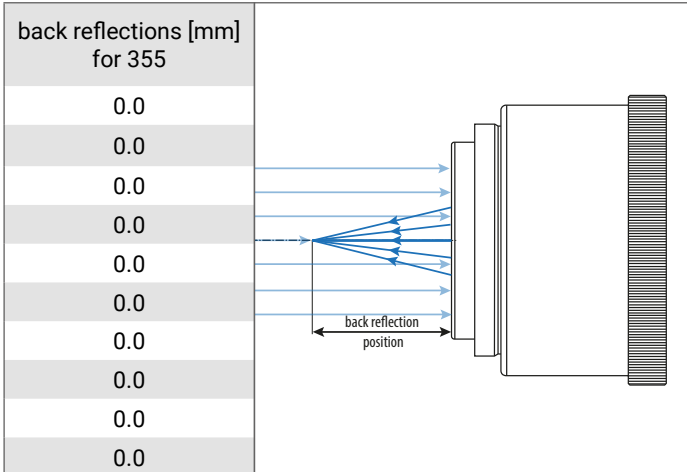
SPECIFICATIONS

article number	S4LFT4125-075
design wavelength [nm]	355
effective focal length [mm]	125.0
working distance [mm]	156.9
max. entrance beam-Ø [mm]	10.0
aperture stop distance [mm]	36.8
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	53 x 53 28.8 / 44.8
max. telecentricity error [°]	1.1
total transmission [%]	> 97
absorption [ppm]	not specified
lens material	fused silica
LIDT (coating)	1.0 J/cm ² per 1ns pulse at 50Hz
SP and USP usable	yes
weight [kg]	1.2
cover glass	S4LPG2250-075
cleanliness	not specified

SPOT



BACK REFLECTION POSITIONS



REMARKS

- The stated values are based on a vignetting of less than 1 %.
- Effective focal length and working distance have a tolerance of +/- 1.5 %.
- Absorption tolerance +/- 25 %. Absorption may increase. Correct cleaning establishes original condition.

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