

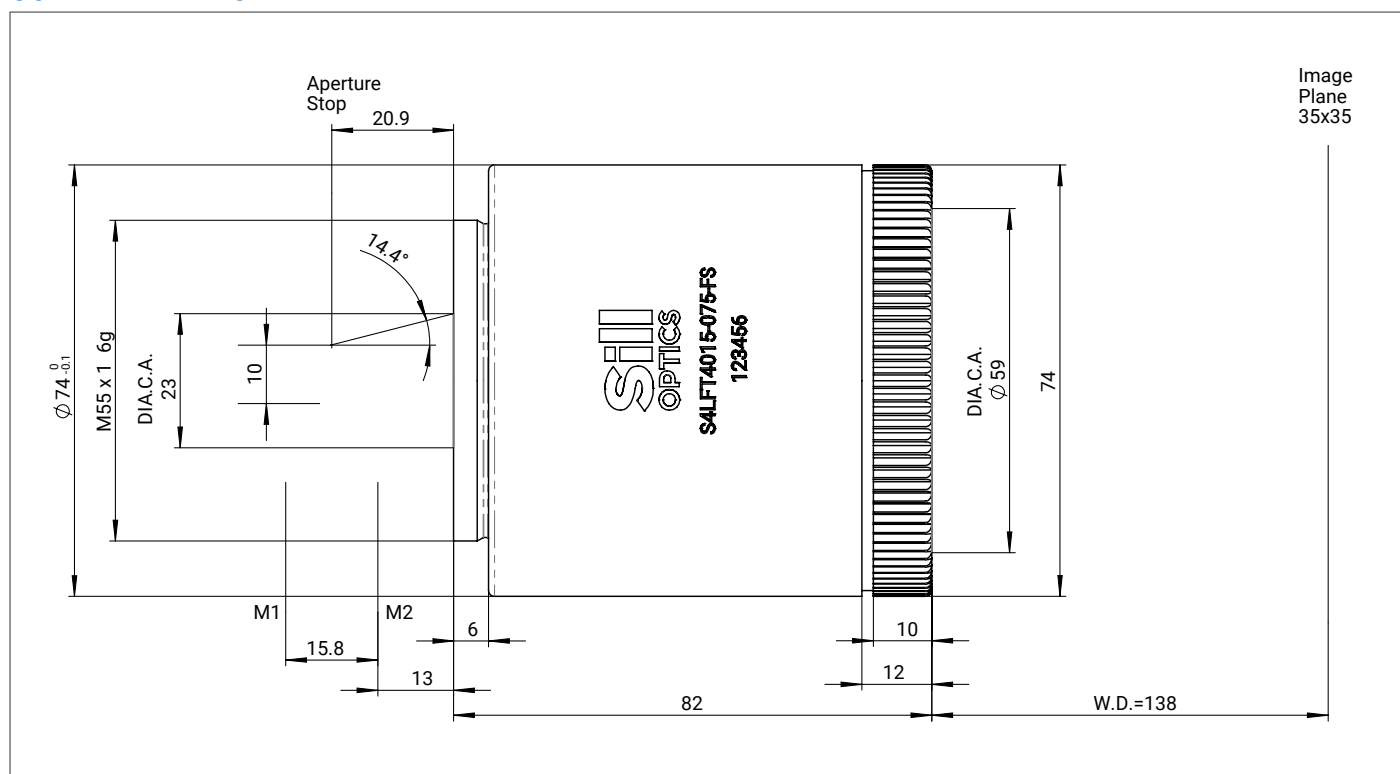
S4LFT4015-O75-FS

THETA COLOR CORRECTED -
FUSED SILICA
346nm +/- 0.8nm (> 190 fs)



ILLUSTRATION ONLY - THE LENS COLOR CHANGES DEPENDING ON THE COATING

OUTLINE DRAWING

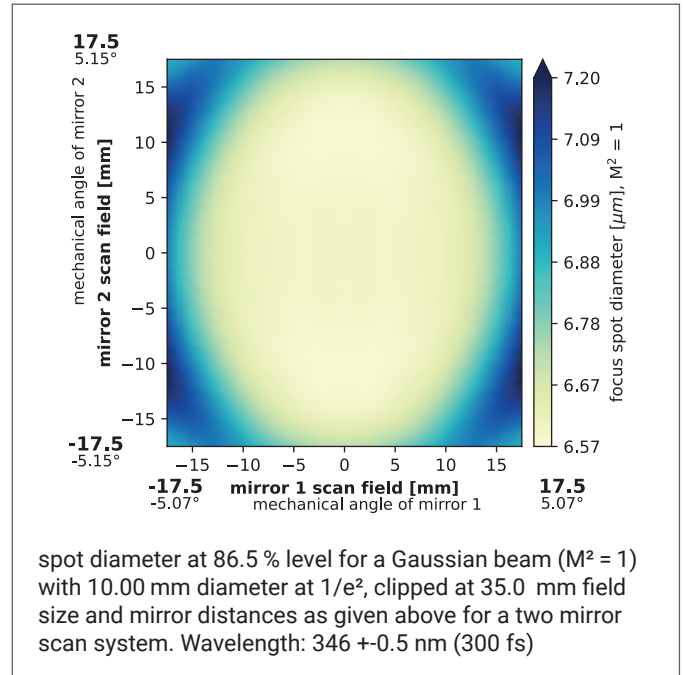


DATA SHEET

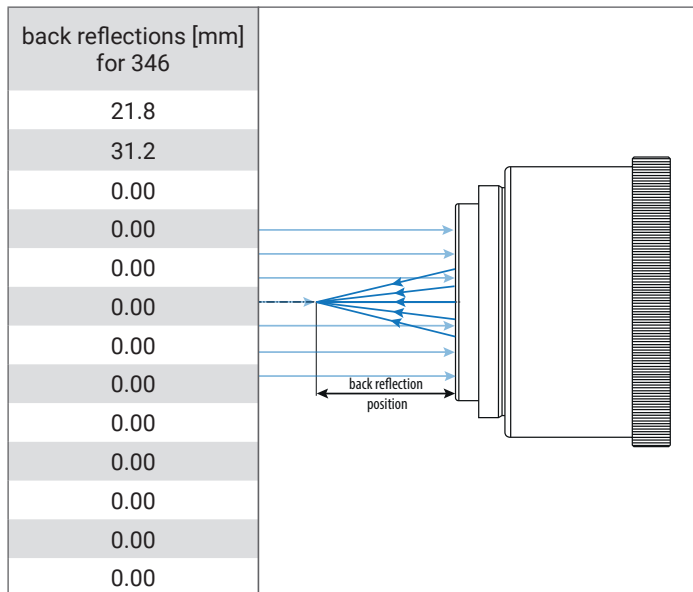
SPECIFICATIONS

article number	S4LFT4015-075-FS
design wavelength [nm]	346
effective focal length [mm]	100.0
working distance [mm]	137.7
max. entrance beam-Ø [mm]	10.00
aperture stop distance [mm]	20.90
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	35 x 35 15.8 / 28.8
max. telecentricity error [°]	1.40
total transmission [%]	> 91
lens material	fused silica
LIDT (coating)	1.0 J/cm² per 1ns pulse at 50Hz
SP and USP usable	yes
weight [kg]	0.65
cover glass	S4LPG5100-075
cleanliness	not specified

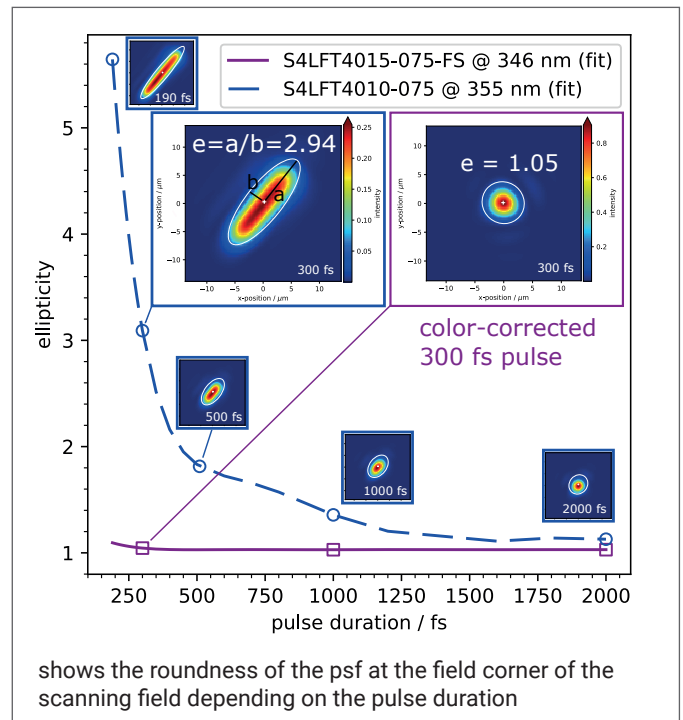
SPOT



BACK REFLECTION POSITIONS



ROUNDNESS PLOT



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 %.

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