

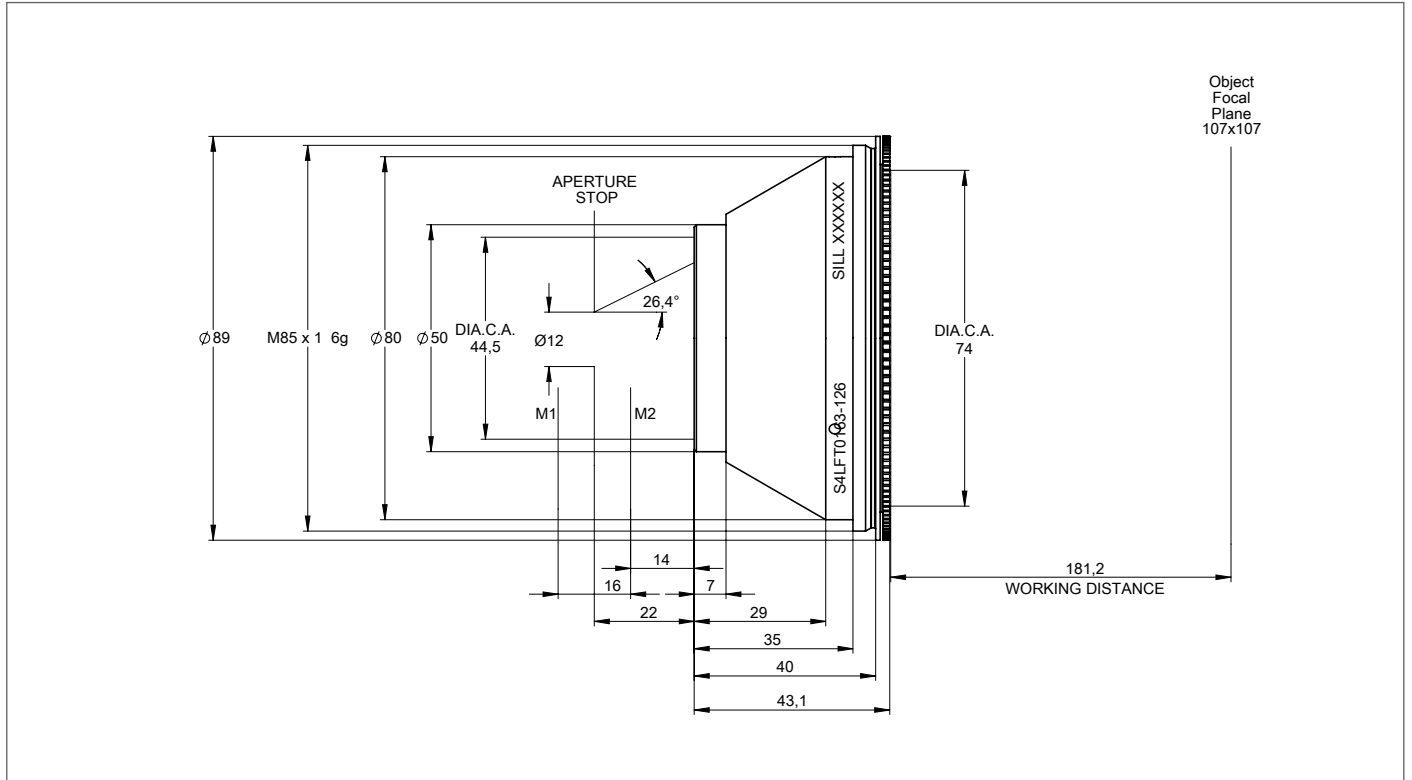
DATA SHEET

S4LFT0163-126

F-THETA
STANDARD - OPTICAL GLASS
1064nm



OUTLINE DRAWING



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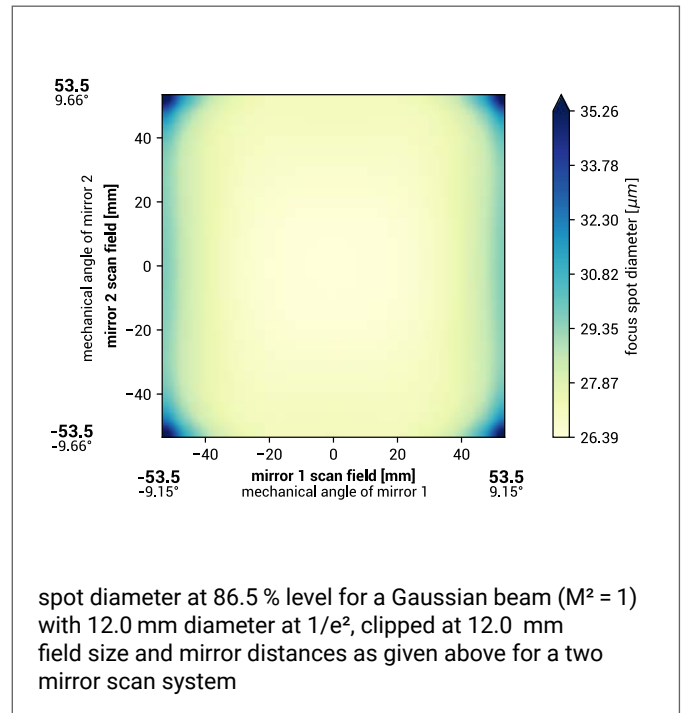
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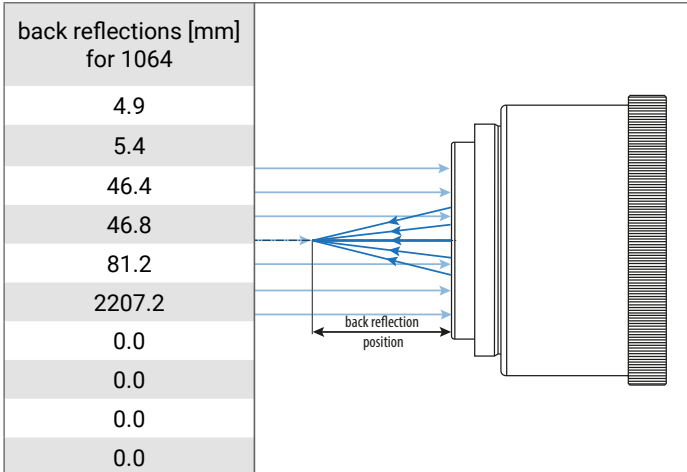
SPECIFICATIONS

article number	S4LFT0163-126
design wavelength [nm]	1064
effective focal length [mm]	162.4
working distance [mm]	181.2
max. entrance beam-Ø [mm]	12.0
aperture stop distance [mm]	22.0
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	107 x 107 14.0 / 30.0
max. telecentricity error [°]	15.0
total transmission [%]	> 97
absorption [ppm]	not specified
lens material	optical glass
LIDT (coating)	5.0 J/cm ² per 1ns pulse at 50Hz
SP and USP usable	no
weight [kg]	0.3
cover glass	S4LPG0005-126
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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