

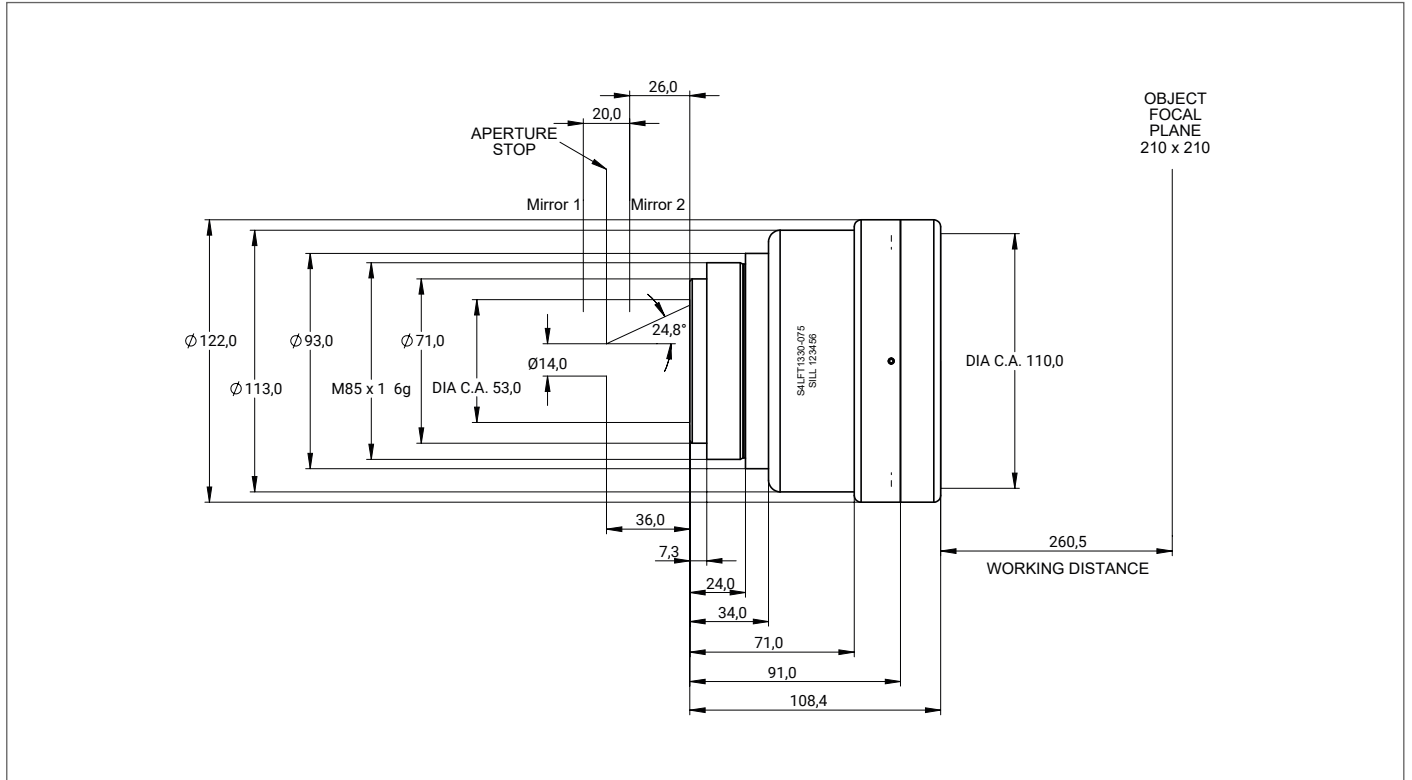
DATA SHEET

S4LFT1330-075

F-THETA
STANDARD - FUSED SILICA
355 nm



OUTLINE DRAWING



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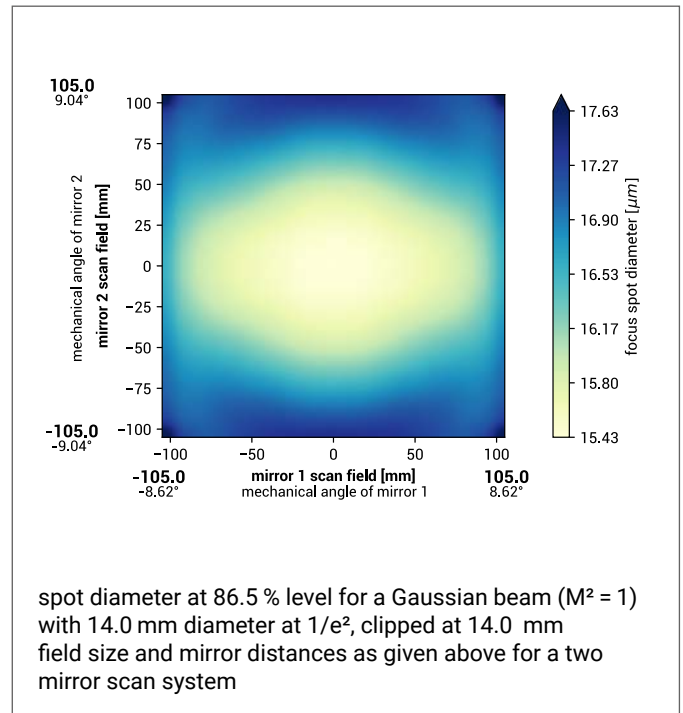
Sill Optics GmbH · Johann-Höllfritsch-Straße 13 · D-90530 Wendelstein · +49 9129 9023-0 · Published: 26.07.2023

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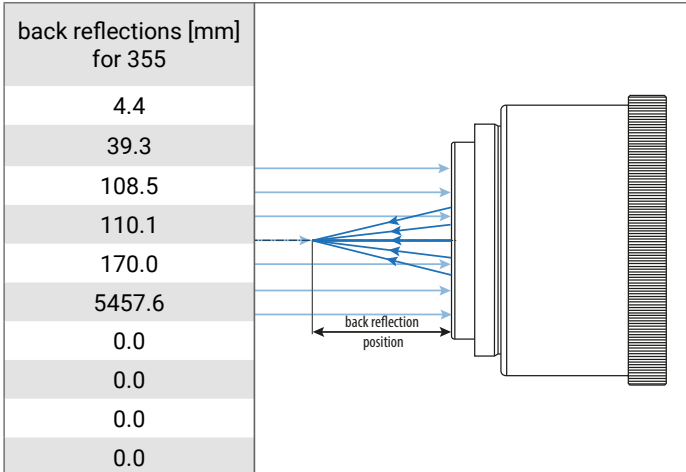
SPECIFICATIONS

article number	S4LFT1330-075
design wavelength [nm]	355
effective focal length [mm]	329.3
working distance [mm]	260.5
max. entrance beam-Ø [mm]	14.0
aperture stop distance [mm]	36.0
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	210 x 210 26.0 / 46.0
max. telecentricity error [°]	21.0
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]	1.5
cover glass	S4LPG4160-075
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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