

DATA SHEET

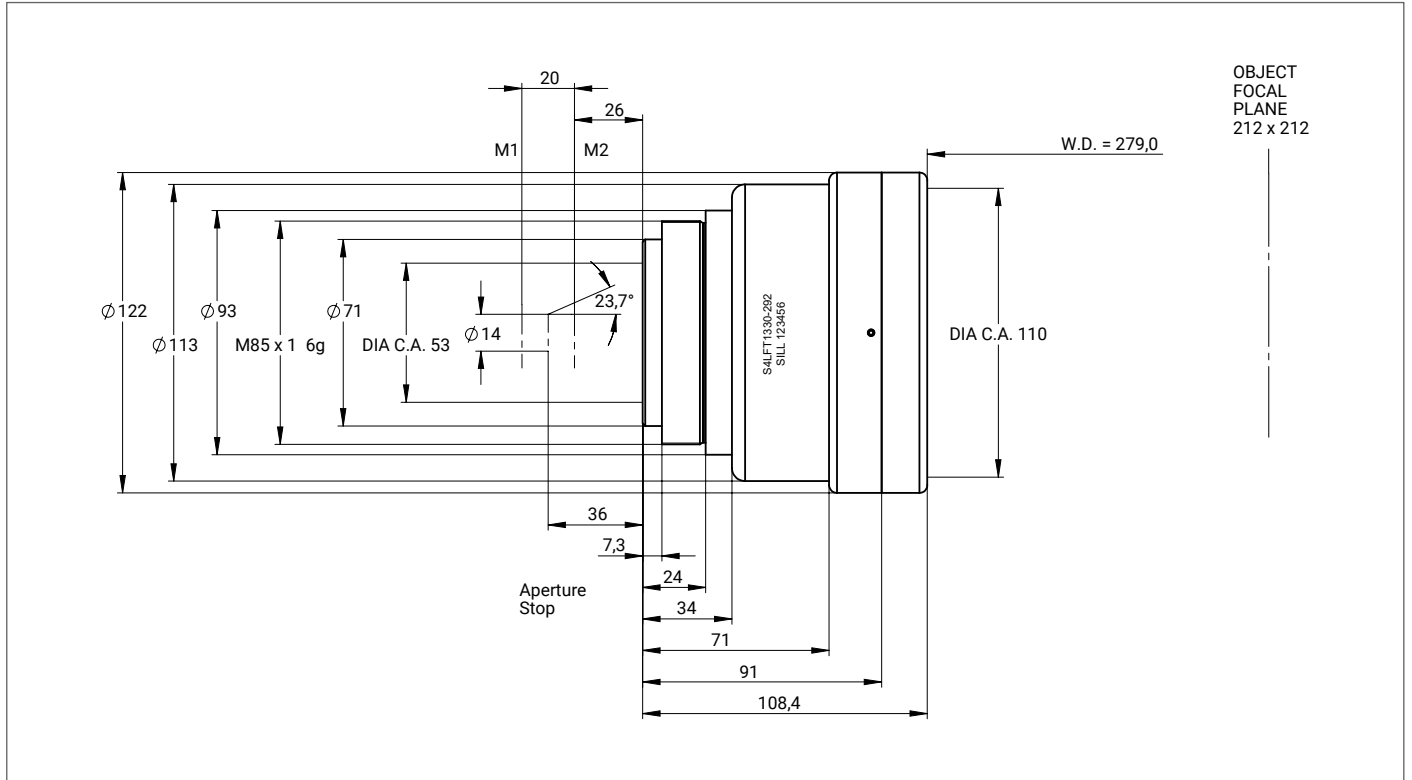
S4LFT1330-292

F-THETA
STANDARD - FUSED SILICA
515 - 545 nm



ILLUSTRATION ONLY

OUTLINE DRAWING



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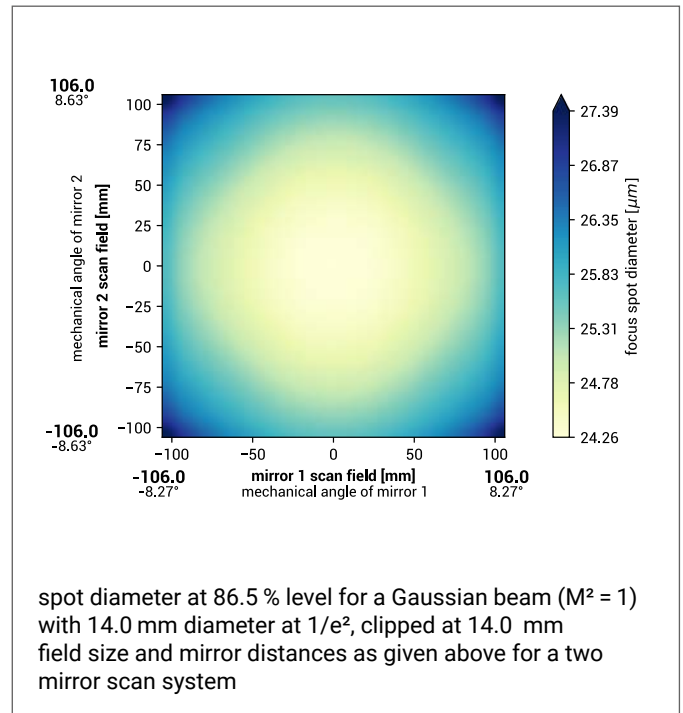
Sill Optics GmbH · Johann-Höllfritsch-Straße 13 · D-90530 Wendelstein · +49 9129 9023-0 · Published: 26.07.2023

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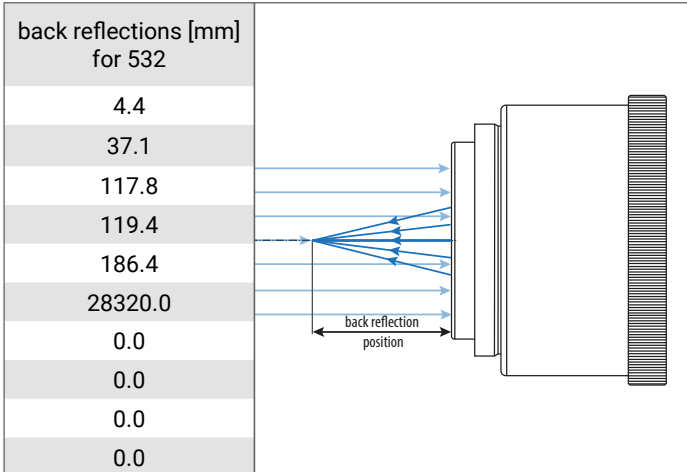
SPECIFICATIONS

article number	S4LFT1330-292
design wavelength [nm]	532
effective focal length [mm]	347.9
working distance [mm]	279.0
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]	212 x 212 26.0 / 46.0
max. telecentricity error [°]	20.3
total transmission [%]	> 97
absorption [ppm]	not specified
lens material	fused silica
LIDT (coating)	2.5 J/cm ² per 1ns pulse at 50Hz
SP and USP usable	yes
weight [kg]	1.5
cover glass	S4LPG4160-292
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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