

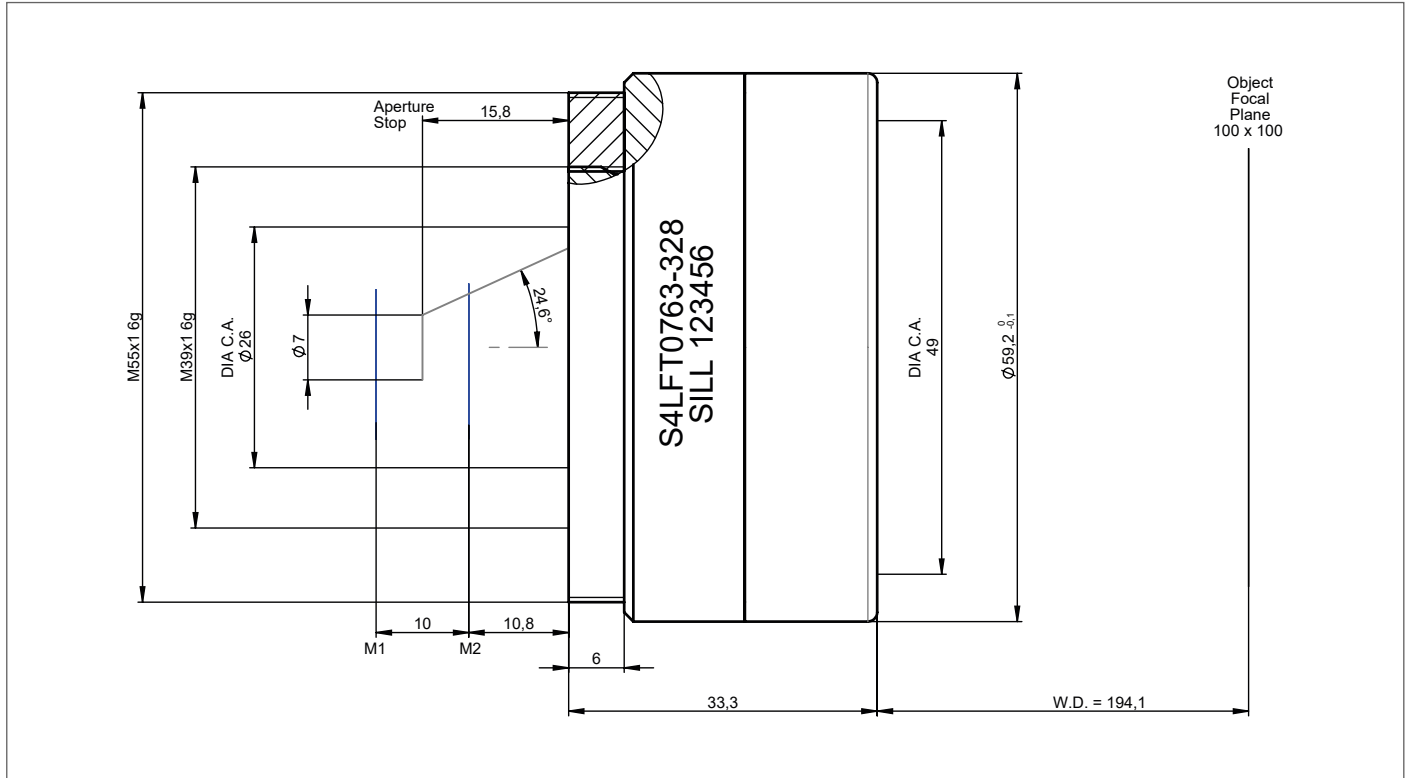
# DATA SHEET

## S4LFT0763-328

F-THETA  
COMPACT - FUSED SILICA  
1030 - 1090 nm



### OUTLINE DRAWING



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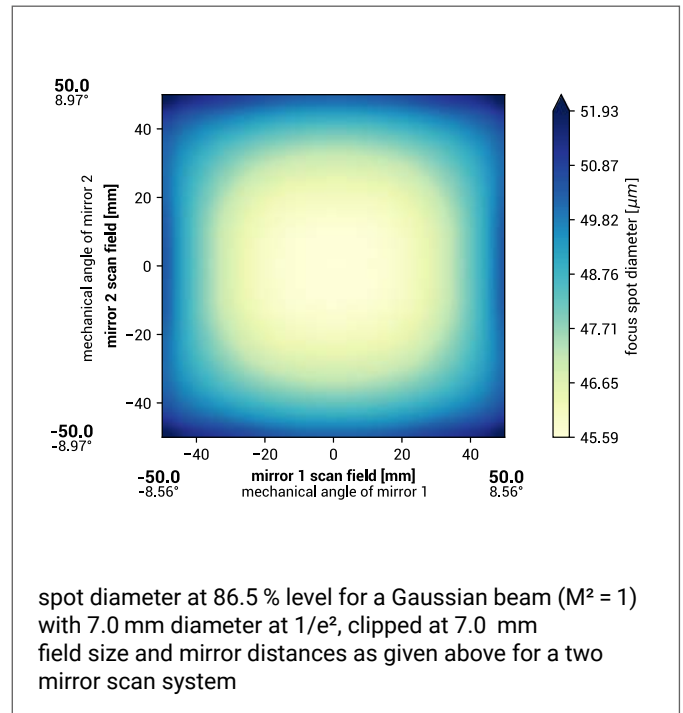
Sill Optics GmbH · Johann-Höllfritsch-Straße 13 · D-90530 Wendelstein · +49 9129 9023-0 · Published: 24.07.2023

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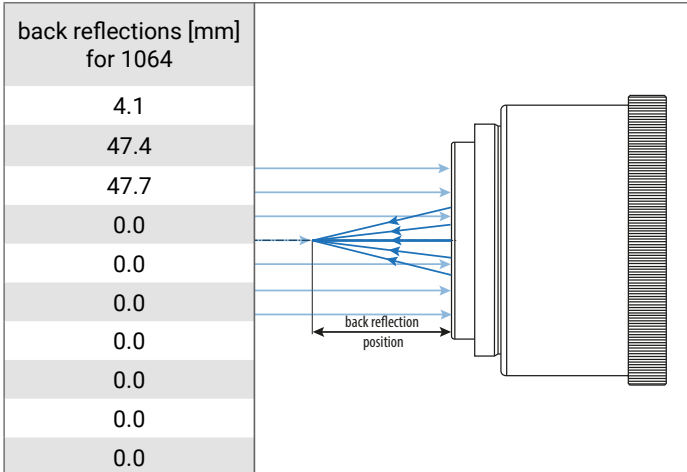
## SPECIFICATIONS

article number	S4LFT0763-328
design wavelength [nm]	1064
effective focal length [mm]	163.0
working distance [mm]	194.1
max. entrance beam-Ø [mm]	7.0
aperture stop distance [mm]	15.8
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	100 x 100 10.8 / 15.8
max. telecentricity error [°]	14.6
total transmission [%]	> 97
absorption [ppm]	50
lens material	fused silica
LIDT (coating)	5.0 J/cm <sup>2</sup> per 1ns pulse at 50Hz
SP and USP usable	yes
weight [kg]	0.2
cover glass	S4LPG3105-328
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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