

# DATA SHEET

## S4LFT0725-328

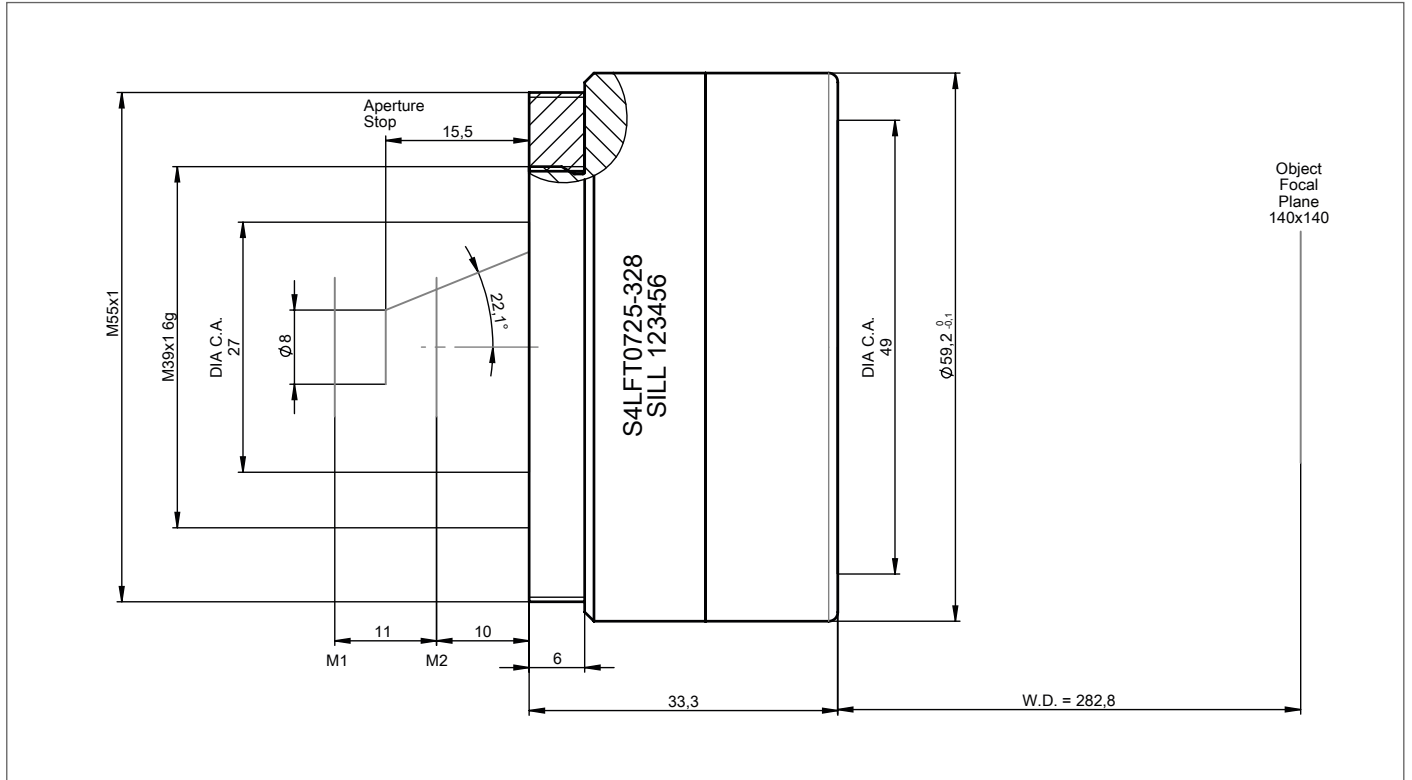
F-THETA

COMPACT - FUSED SILICA

1030 - 1090 nm



### OUTLINE DRAWING



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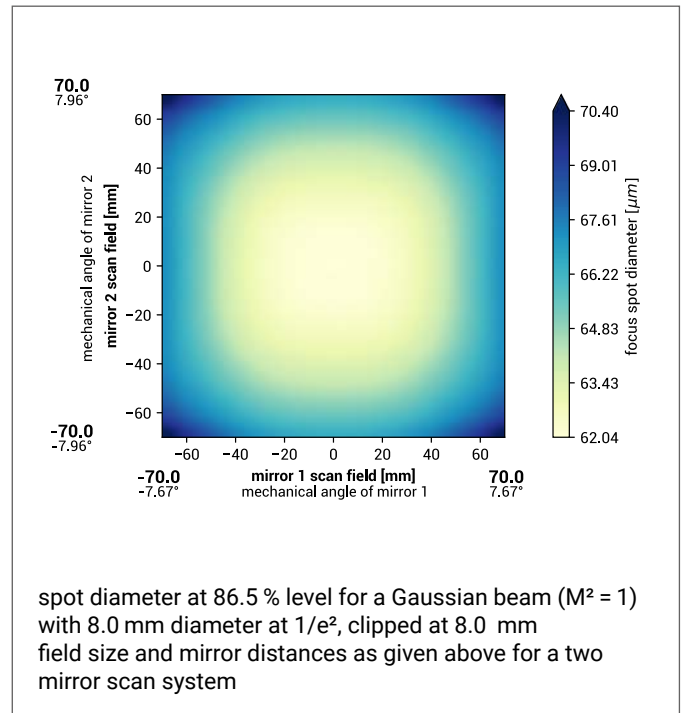
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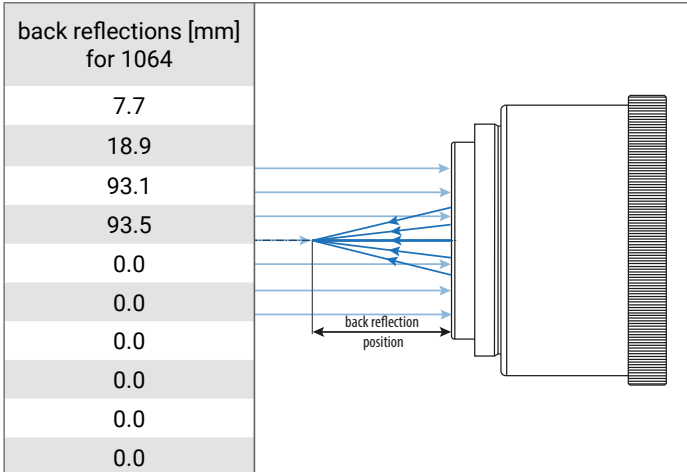
## SPECIFICATIONS

article number	S4LFT0725-328
design wavelength [nm]	1064
effective focal length [mm]	254.2
working distance [mm]	282.8
max. entrance beam-Ø [mm]	8.0
aperture stop distance [mm]	15.5
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	140 x 140 10.0 / 21.0
max. telecentricity error [°]	16.2
total transmission [%]	> 98
absorption [ppm]	44
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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