

# DATA SHEET

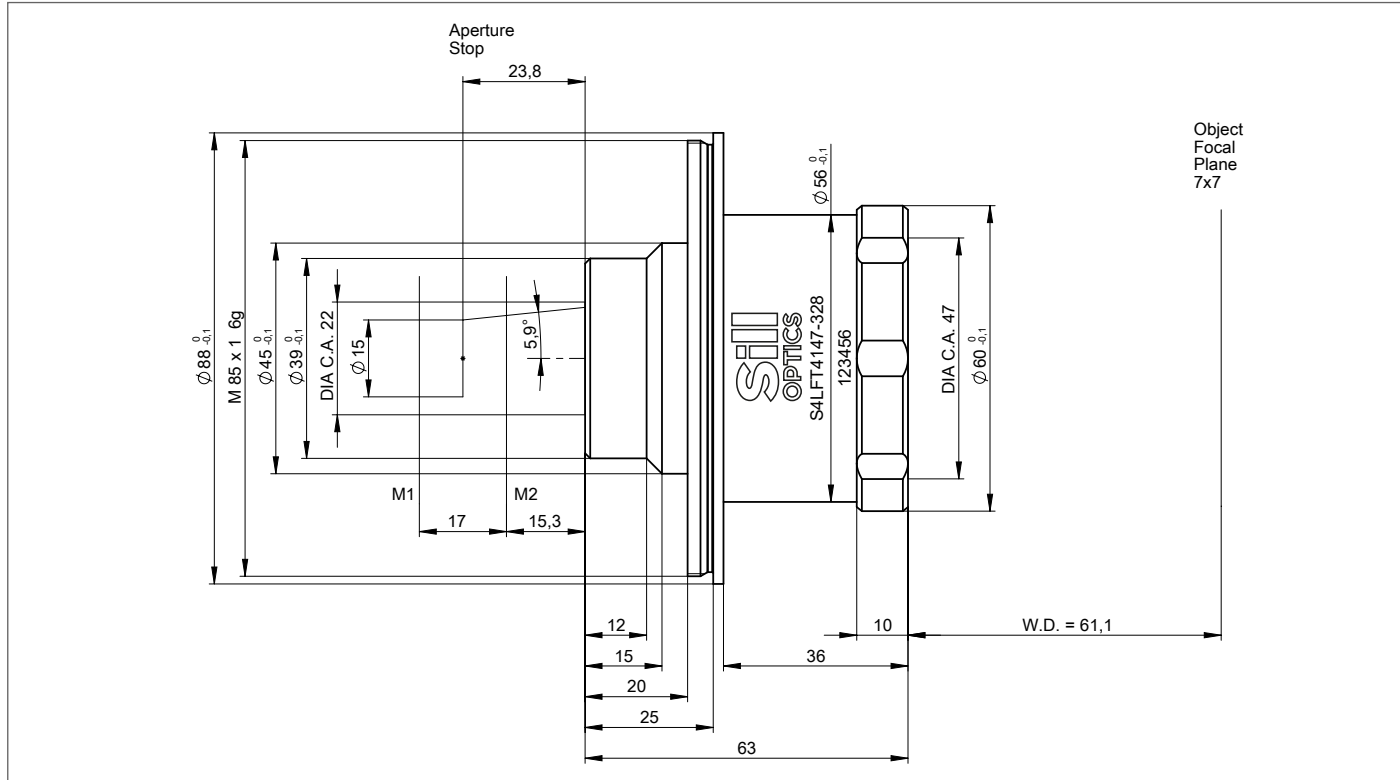
## S4LFT4147-328

F-THETA  
TELECENTRIC - FUSED SILICA  
1030 - 1090nm



ILLUSTRATION ONLY

### OUTLINE DRAWING



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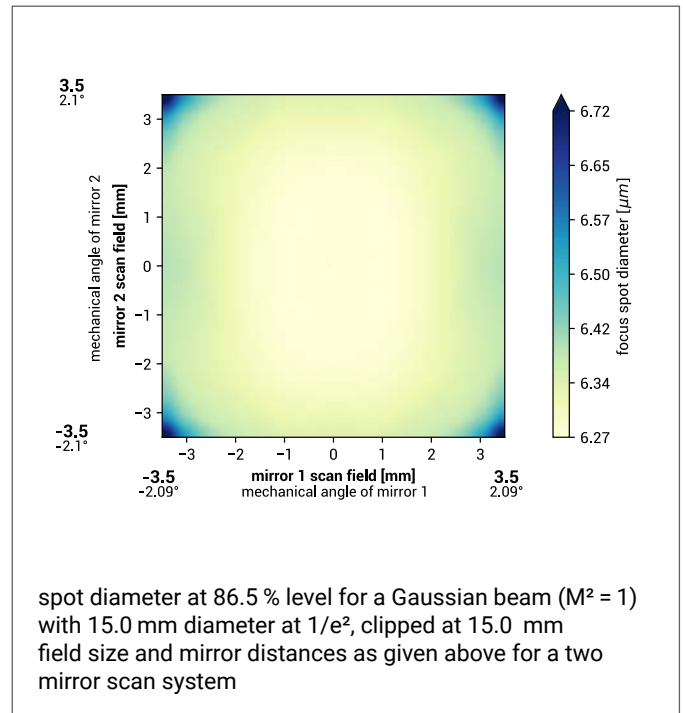
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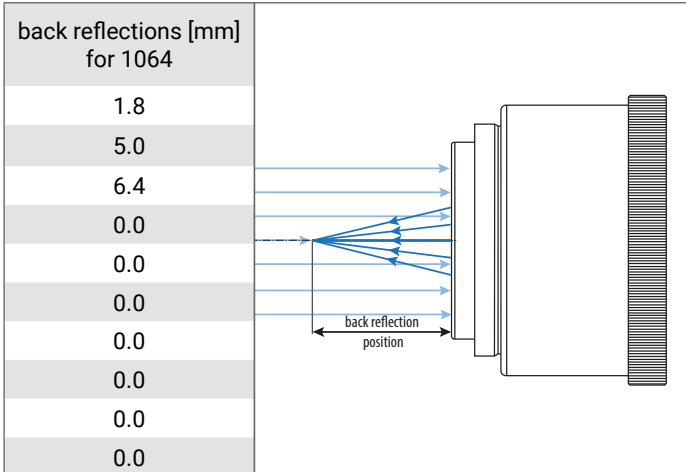
## SPECIFICATIONS

article number	S4LFT4147-328
design wavelength [nm]	1064
effective focal length [mm]	48.1
working distance [mm]	61.1
max. entrance beam-Ø [mm]	15.0
aperture stop distance [mm]	23.8
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	7 x 7 15.3 / 32.3
max. telecentricity error [°]	2.1
total transmission [%]	> 98
absorption [ppm]	not specified
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]	not yet weighed
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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