

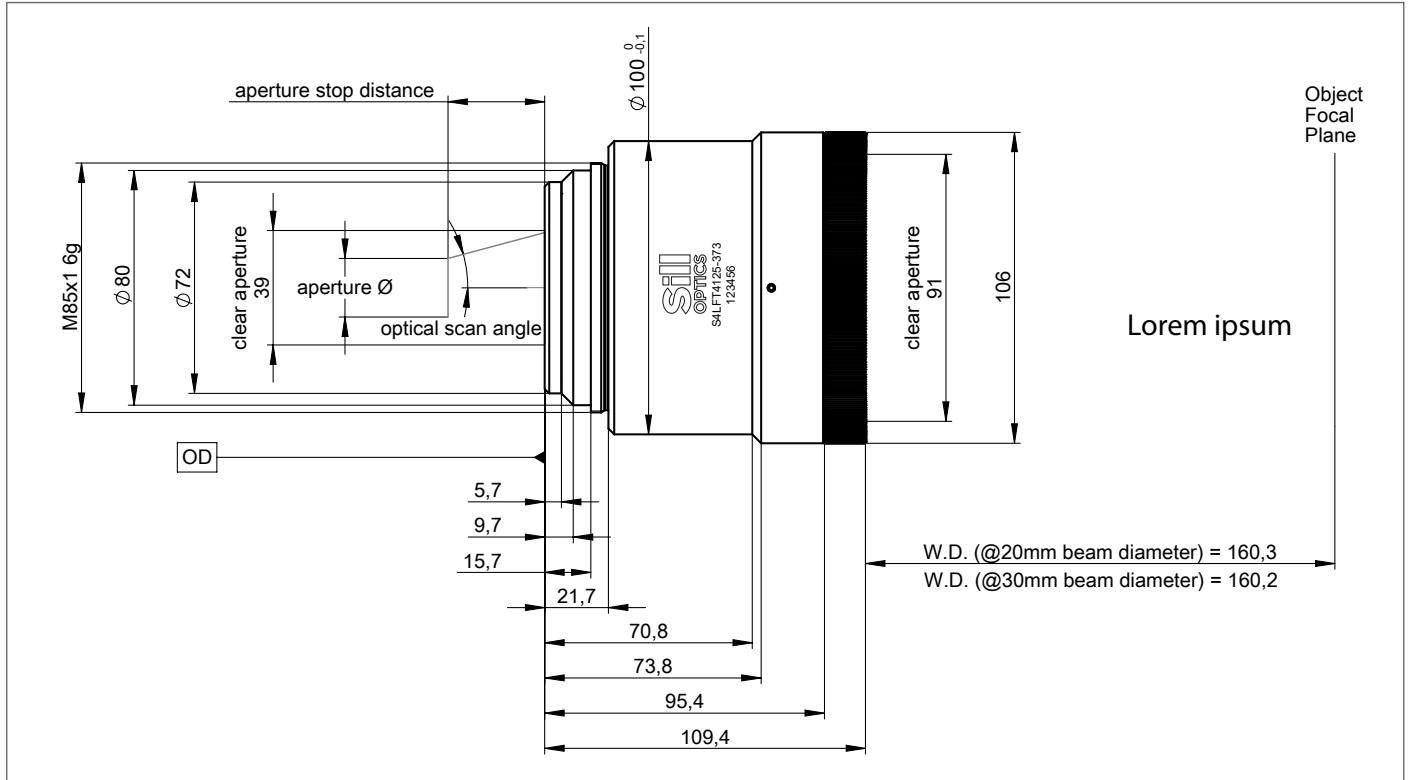
# DATA SHEET

## S4LFT4125-373

F-THETA  
TELECENTRIC - FUSED SILICA  
420 - 480nm



### OUTLINE DRAWING



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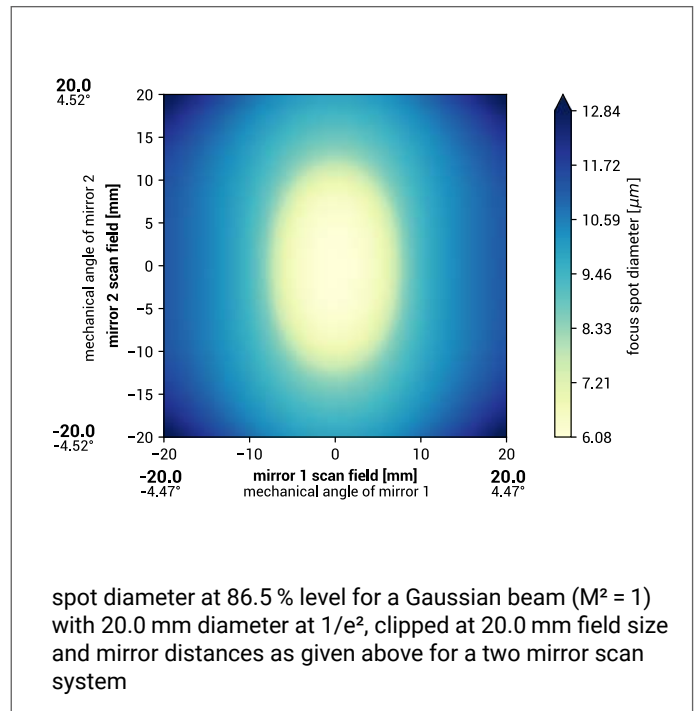
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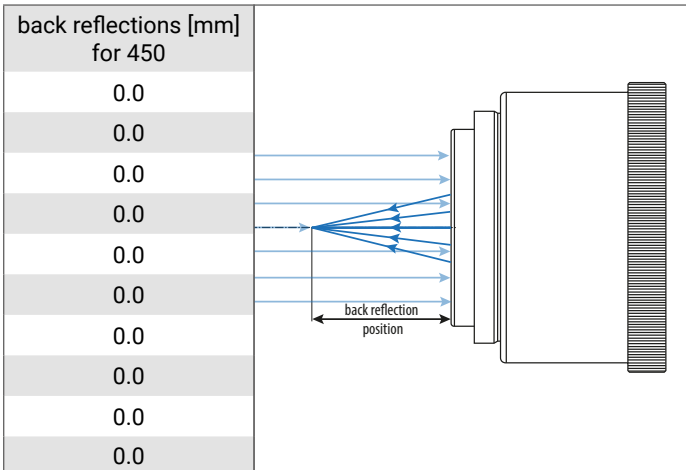
## SPECIFICATIONS

article number	S4LFT4125-373	
design wavelength [nm]	450	
effective focal length [mm]	128.9	
max. entrance beam-Ø [mm]	20.0	30.0
aperture stop distance [mm]	33.0	46.0
working distance [mm]	160.2	160.3
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1	45 x 45 20.0 / 46.0	20 x 20 28.0 / 64.0
max. telecentricity error [°]	1.6	0.9
total transmission [%]	> 98	
lens material	fused silica	
LIDT (coating)	not specified	
SP and USP usable	yes	
weight [kg]	1.2	
cover glass	S4LPG2250-373	
absorption [ppm]	not specified	
cleanliness	not specified	

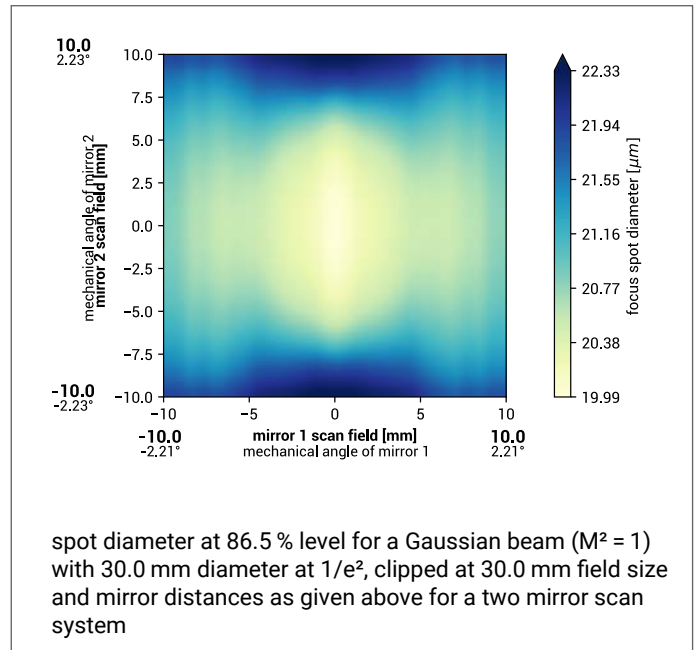
## SPOT FOR 20.0mm BEAM DIAMETER



## BACK REFLECTION POSITION



## SPOT FOR 30.0mm BEAM DIAMETER



## REMARKS

- The stated values are based on a vignetting of less than 1 %.
- Effective focal length and working distance have tolerance of +/- 1.5 %.
- Absorption tolerance +/- 25 %. Absorption may increase. Correct cleaning establishes original condition.

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