

# DATA SHEET

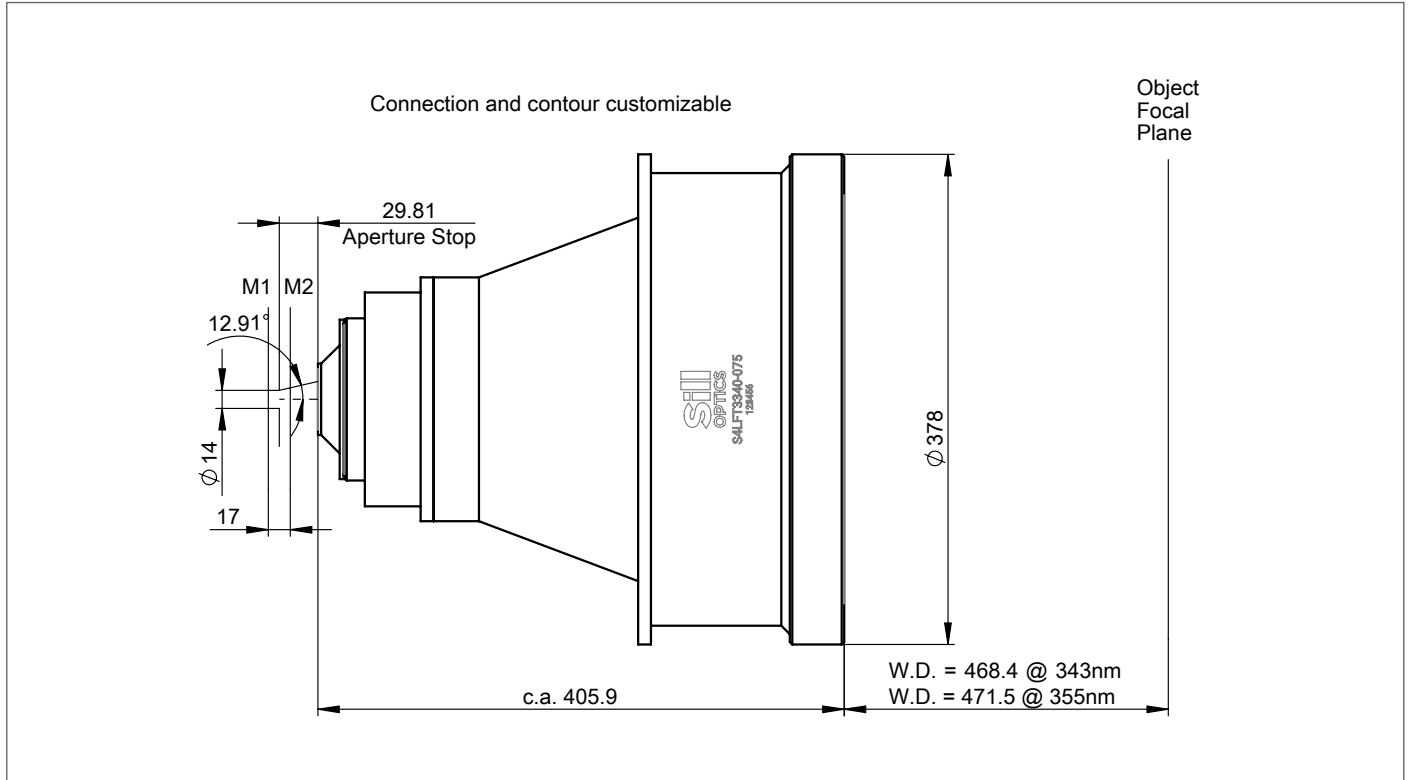
## S4LFT3340-075

F-THETA  
TELECENTRIC - FUSED SILICA  
343, 355 nm



ILLUSTRATION ONLY

### OUTLINE DRAWING



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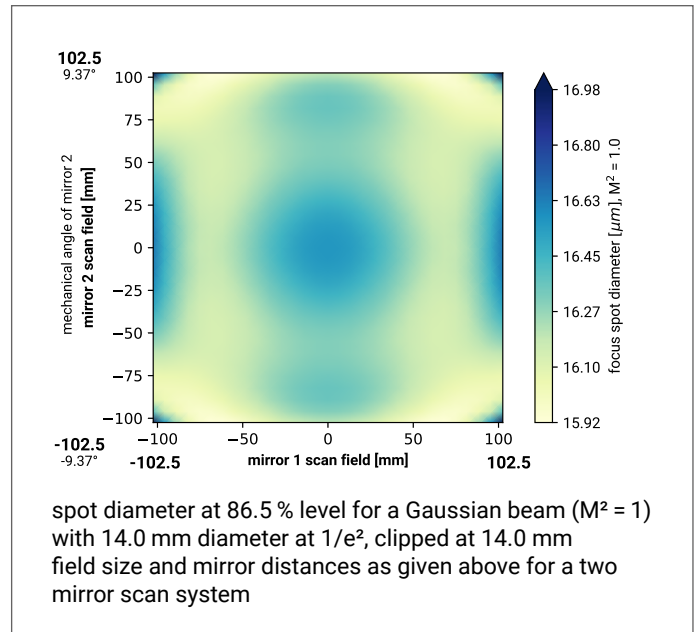
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## SPECIFICATIONS

article number	S4LFT3340-075	
design wavelength [nm]	343	355
effective focal length [mm]	338.0	340.0
max. entrance beam-Ø [mm]	14.0	
aperture stop distance [mm]	27.8	
working distance [mm]	468.4	471.5
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1	205 x 205 21.3 / 38.3	
max. telecentricity error [°]	0.9	
total transmission [%]	> 97	
lens material	fused silica	
LIDT (coating)	1.0 J/cm <sup>2</sup> per 1ns pulse at 50Hz	
SP and USP usable	yes	
weight [kg]	23.0	
cover glass	S4LPG3340-075	

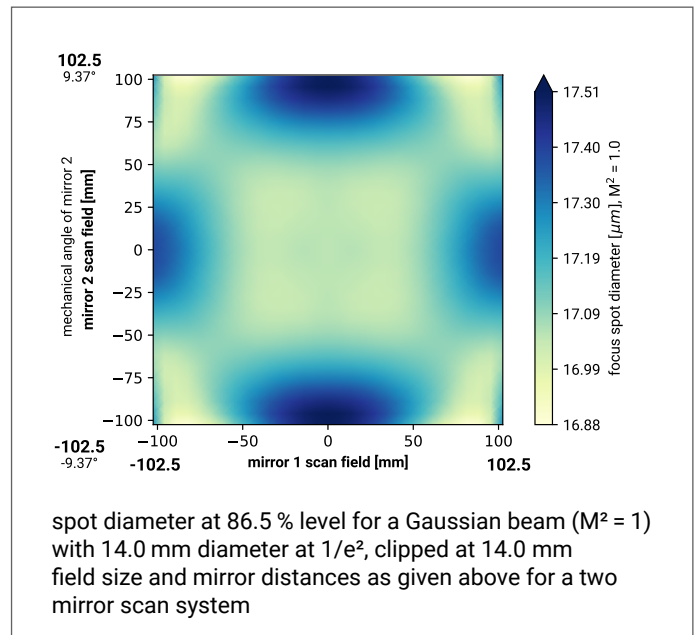
## SPOT FOR 343 nm



## BACK REFLECTION POSITION

back reflections [mm]	
for 343 nm	for 355 nm
373.2	373.2
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0
0.0	0.0

## SPOT FOR 355 nm



## 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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