DATA SHEET

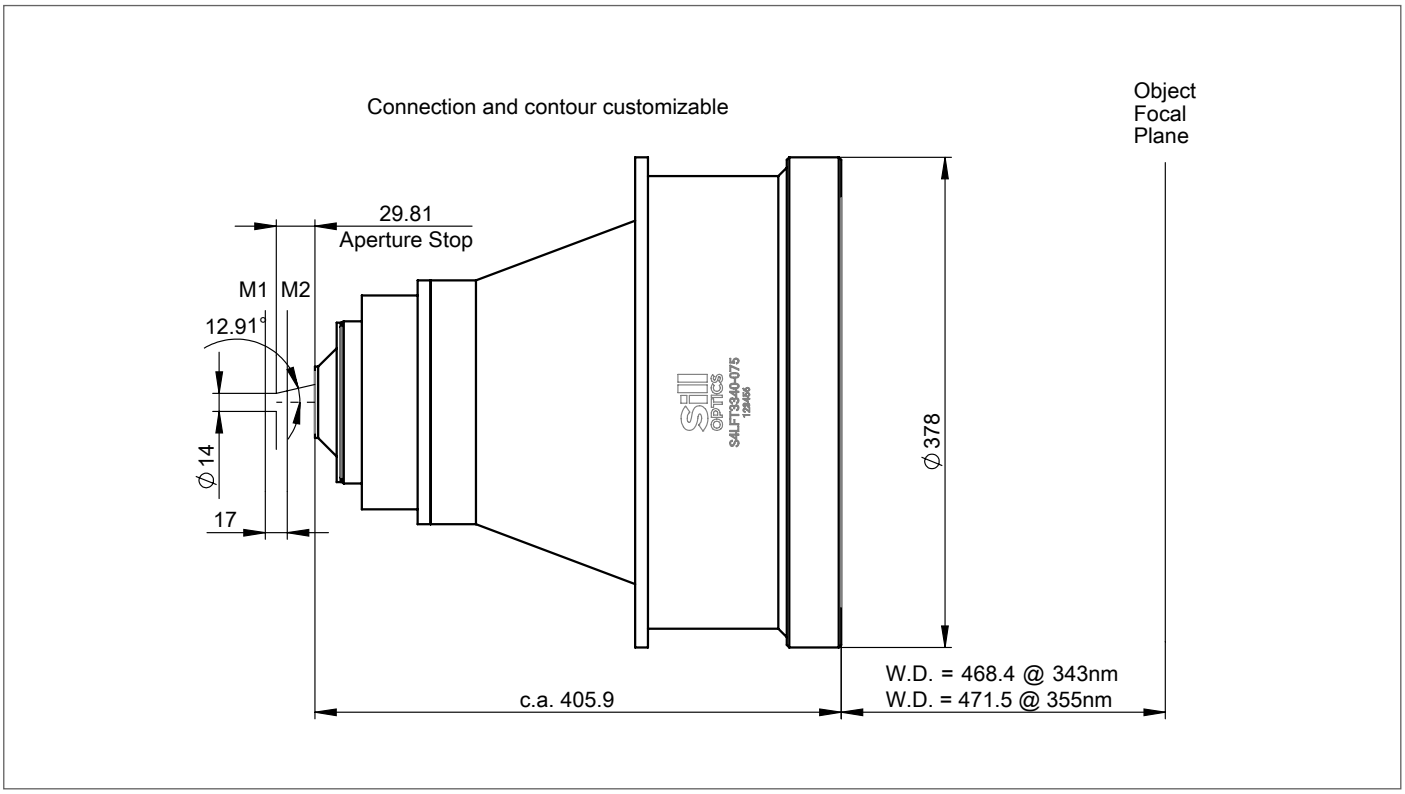
新特光电
Sintec Optronics

S4LFT3340-075

F-THETA
TELECENTRIC - FUSED SILICA
343, 355 nm

ILLUSTRATION ONLY

OUTLINE DRAWING



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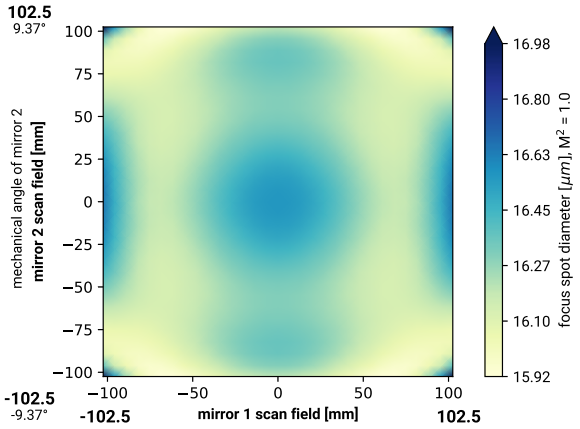
SPECIFICATIONS

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/cm² per 1ns pulse at 50Hz	
SP and USP usable	yes	
weight [kg]	23.0	
cover glass	S4LPG3340-075	

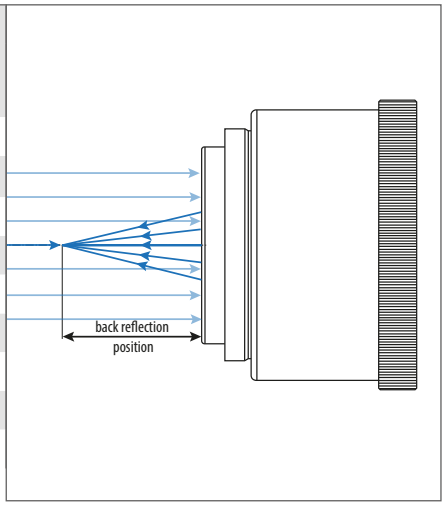
SPOT FOR 343 nm



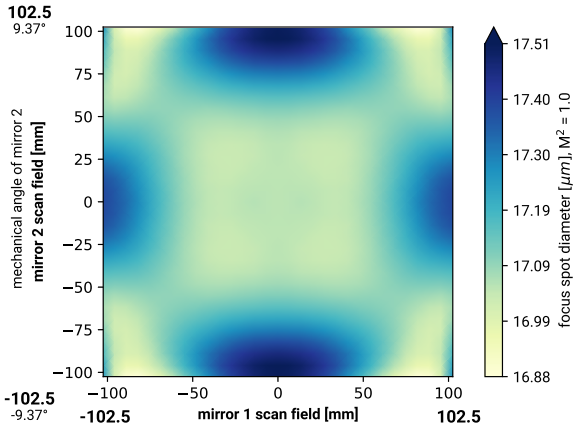
spot diameter at 86.5 % level for a Gaussian beam ($M^2 = 1$) with 14.0 mm diameter at $1/e^2$, clipped at 14.0 mm
field size and mirror distances as given above for a two mirror scan system

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



SPOT FOR 355 nm



spot diameter at 86.5 % level for a Gaussian beam ($M^2 = 1$) with 14.0 mm diameter at $1/e^2$, clipped at 14.0 mm
field size and mirror distances as given above for a two mirror scan system

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.