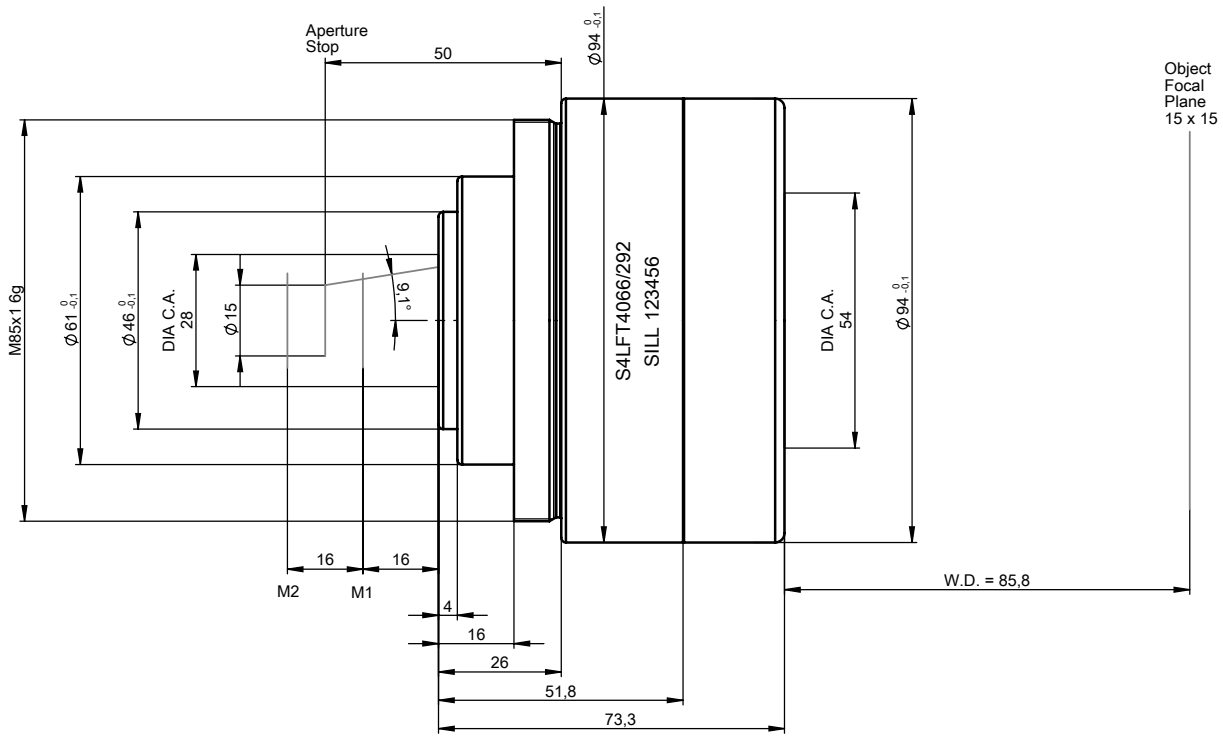
DATA SHEET

新特光电 Sintec Optronics

S4LFT4066/292

F-Theta
telecentric - fused silica
515 - 545 nm

outline drawing



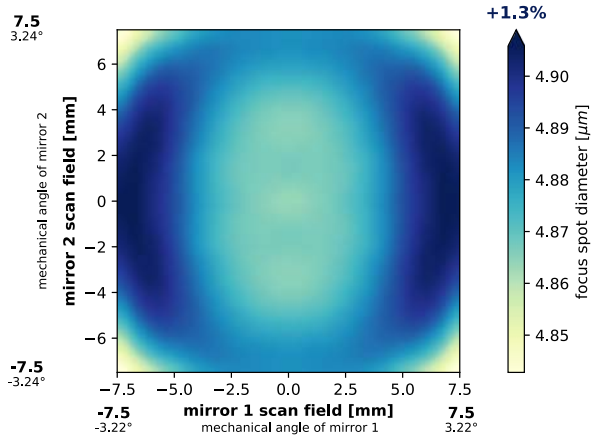
DATA SHEET

Sintec Optronics 新特光电

specifications

article number	S4LFT4066/292
design wavelength [nm]	532
effective focal length [mm]	67.2
max. entrance beam-Ø [mm]	15.0
aperture stop distance [mm]	24.0
working distance [mm]	85.8
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1	15 x 15 16.0 / 32.0
max. telecentricity error [°]	1.5
total transmission [%]	> 98
lens material	fused silica
LIDT (coating)	2.5 J/cm² per 1ns pulse at 50Hz
SP and USP usable	yes
weight [kg]	1
cover glass	S4LPG0394/292
absorption [ppm]	not specified
cleanliness	not specified

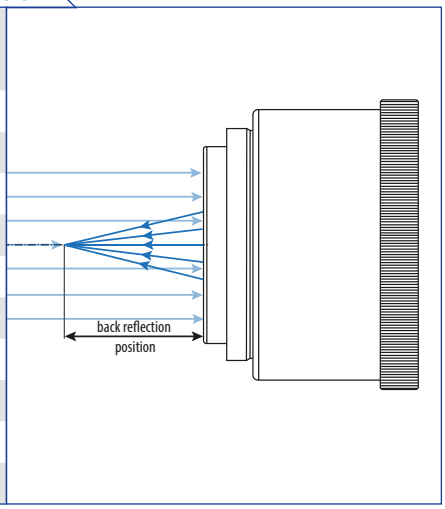
spot



spot diameter at 86.5 % level for a Gaussian beam ($M^2 = 1$)
with 10.0 mm diameter at $1/e^2$, clipped at 15.0 mm
field size and mirror distances as given above for a two mirror scan system

back reflection position

back reflections [mm] for 532
23.89
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00
0.00



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.