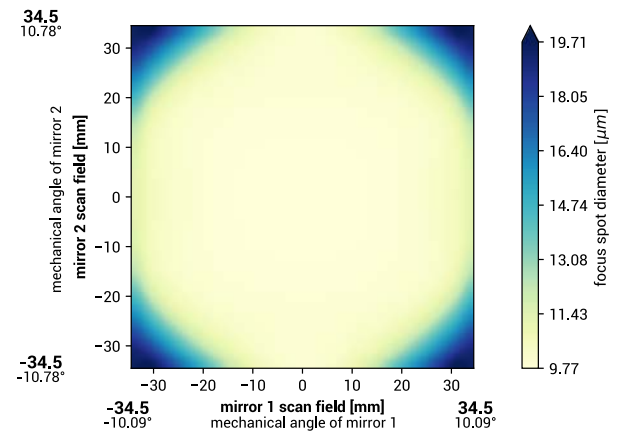


DATA SHEET

specifications

article number	S4LFT5100/121
design wavelength [nm]	532
effective focal length [mm]	100.1
working distance [mm]	126.7
max. entrance beam-Ø [mm]	10.0
aperture stop distance [mm]	30
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	69 x 69 23.5 / 36.5
max. telecentricity error [°]	2.4
total transmission [%]	> 94
absorption [ppm]	not specified
lens material	optical glass
LIDT (coating)	2.5 J/cm ² per 1ns pulse at 50Hz
SP and USP usable	no
weight [kg]	2.4
cover glass	S4LPG0300/121
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 10.0 mm field size and mirror distances as given above for a two mirror scan system

back reflection positions

back reflections [mm] for 532	
0.02	
0.79	
7.65	
12.85	
0	
0	
0	
0	
0	
0	

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.