

DATA SHEET

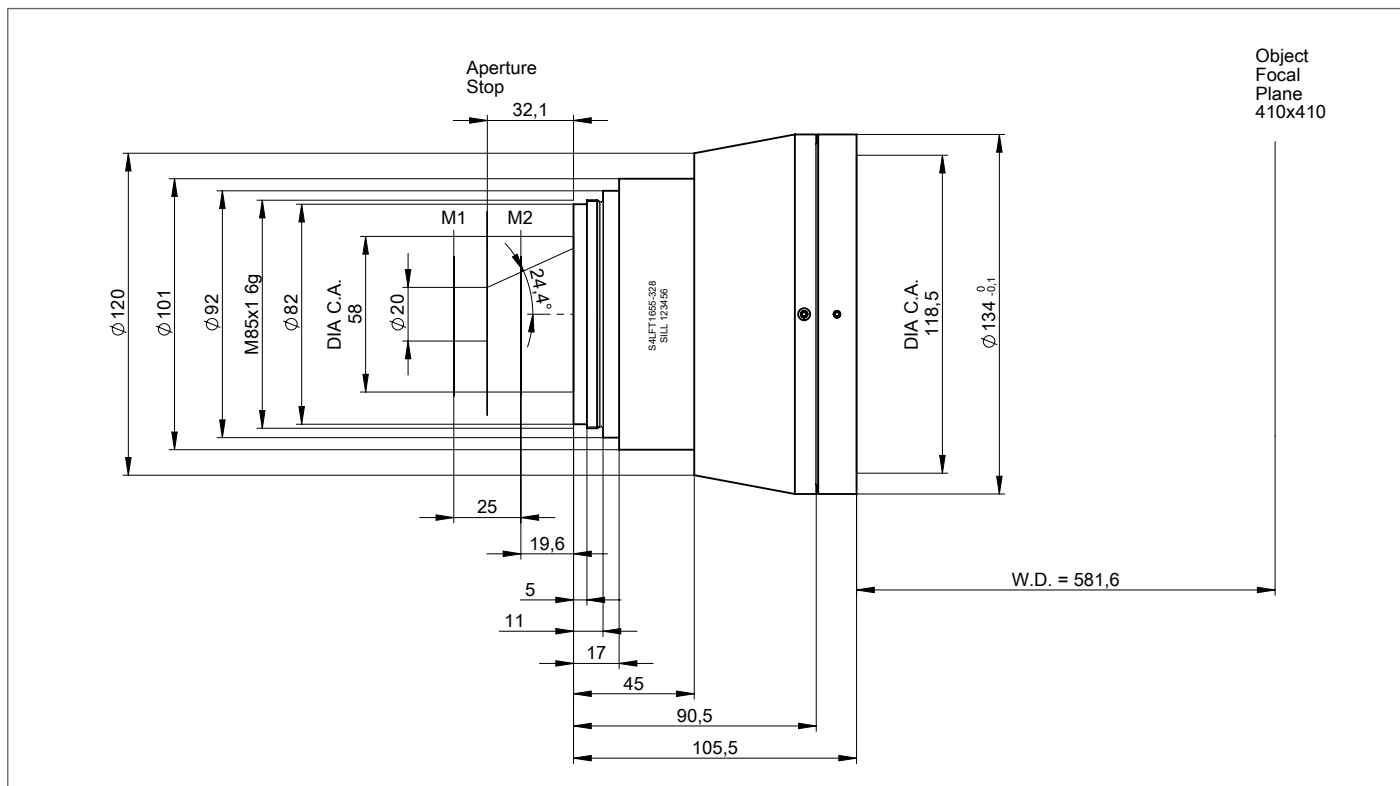
S4LFT1655-328

F-THETA
STANDARD - FUSED SILICA
1030 - 1090nm



ILLUSTRATION ONLY

OUTLINE DRAWING



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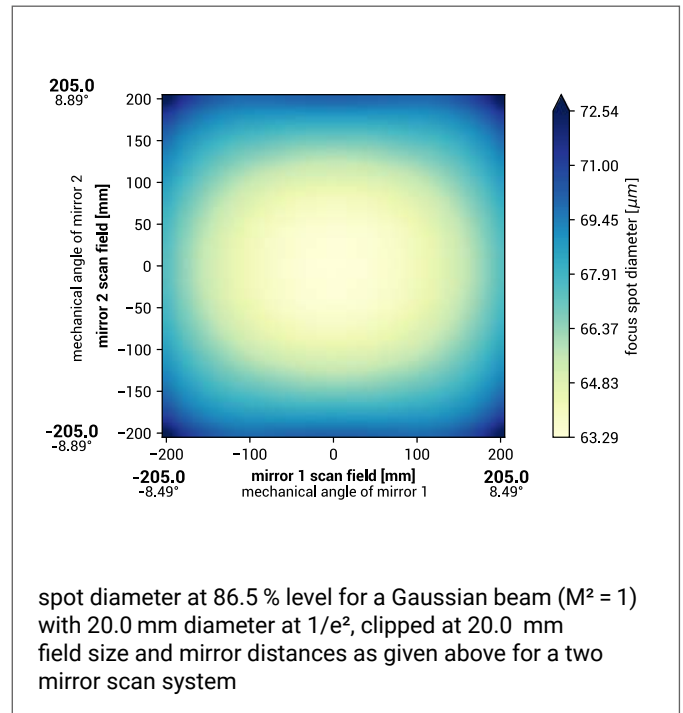
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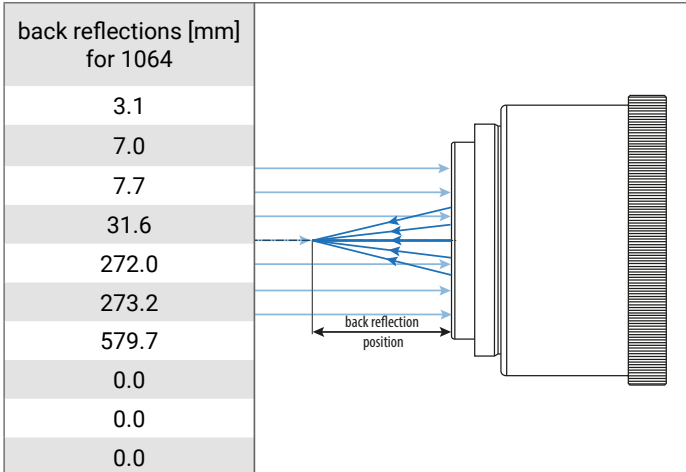
SPECIFICATIONS

article number	S4LFT1655-328
design wavelength [nm]	1064
effective focal length [mm]	649.4
working distance [mm]	581.6
max. entrance beam-Ø [mm]	20.0
aperture stop distance [mm]	32.1
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	410 x 410 19.6 / 44.6
max. telecentricity error [°]	22.5
total transmission [%]	> 98
absorption [ppm]	not specified
lens material	fused silica
LIDT (coating)	5.0 J/cm ² per 1ns pulse at 50Hz
SP and USP usable	yes
weight [kg]	1.6
cover glass	S4LPG1305-526
cleanliness	not specified

SPOT



BACK REFLECTION POSITIONS



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.

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