

DATA SHEET



S4LFT0420-126

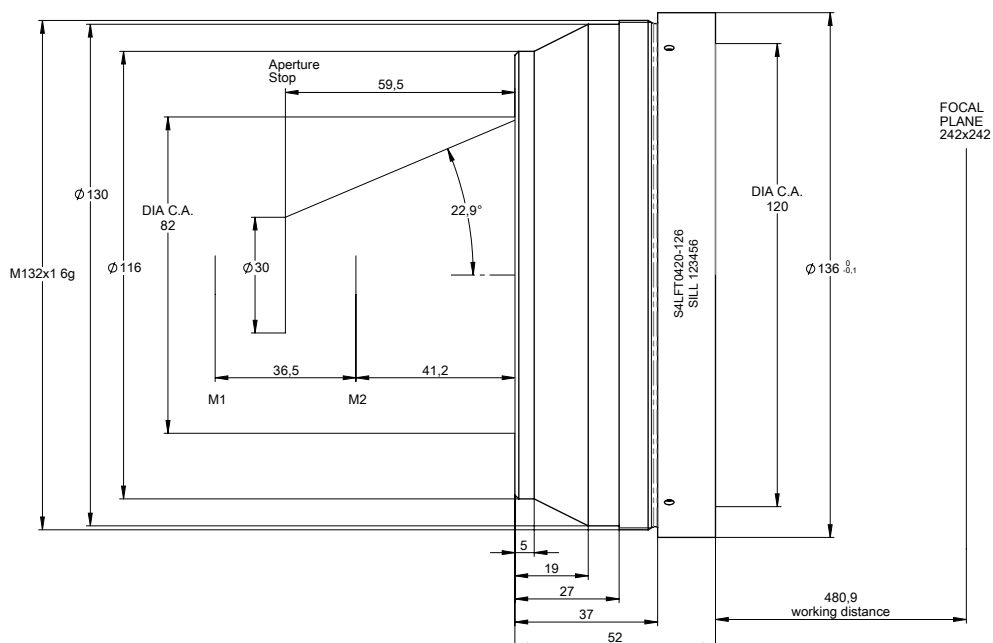
F-THETA

STANDARD - OPTICAL GLASS

1064 nm



OUTLINE DRAWING

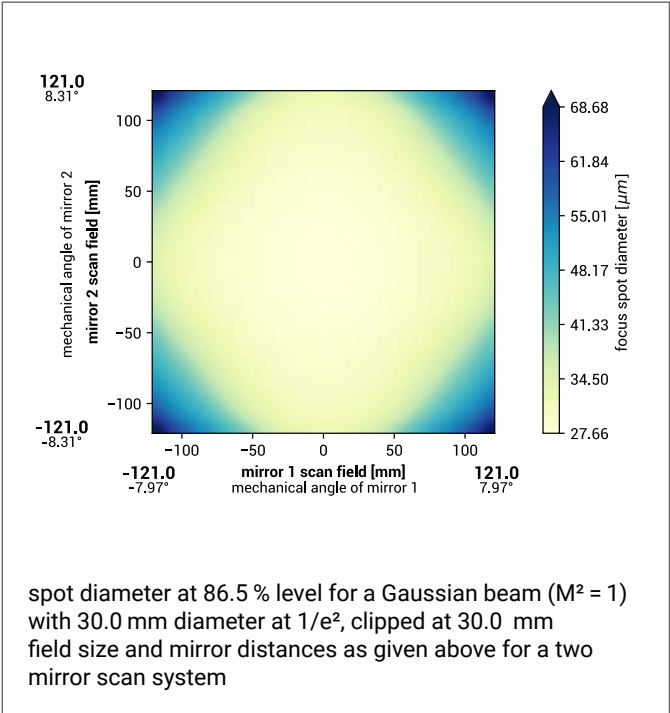


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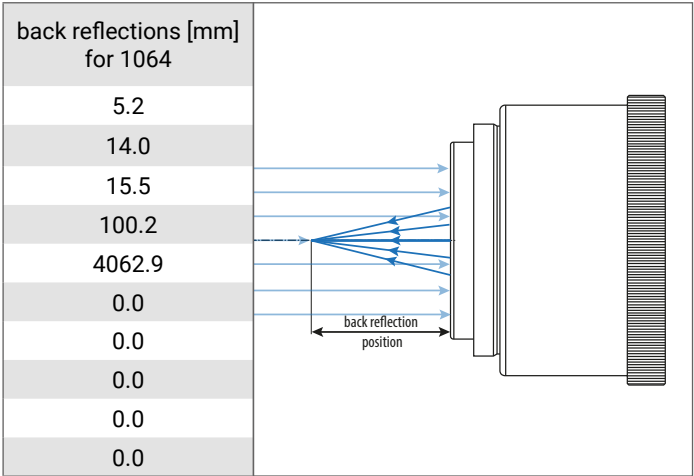
SPECIFICATIONS

article number	S4LFT0420-126
design wavelength [nm]	1064
effective focal length [mm]	420.8
working distance [mm]	480.9
max. entrance beam-Ø [mm]	30.0
aperture stop distance [mm]	59.5
scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm]	242 x 242 41.2 / 77.7
max. telecentricity error [°]	14.8
total transmission [%]	> 98
absorption [ppm]	not specified
lens material	optical glass
LIDT (coating)	5.0 J/cm² per 1ns pulse at 50Hz
SP and USP usable	no
weight [kg]	1.5
cover glass	---
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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