

DATA SHEET

S4LFT3162-328

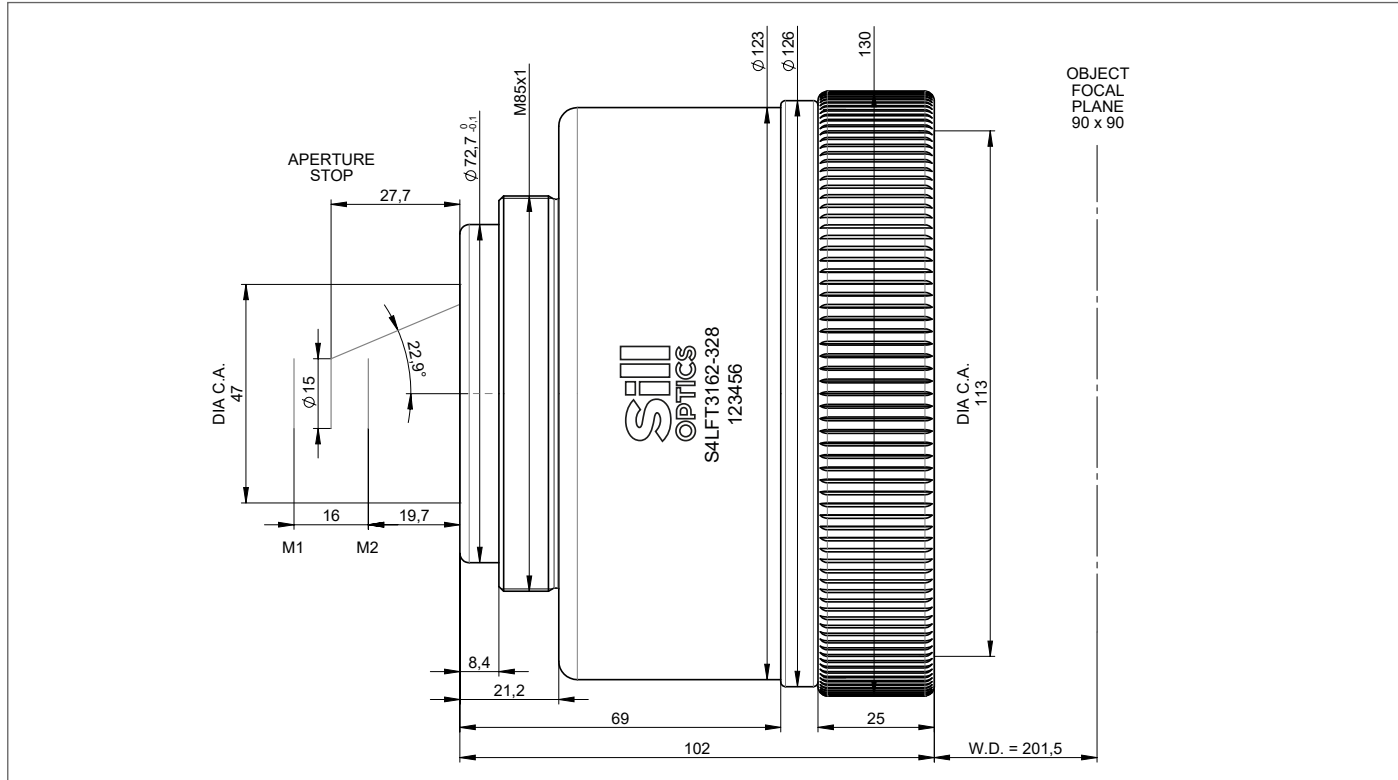
F-THETA

TELECENTRIC - FUSED SILICA

1030 - 1090 nm



OUTLINE DRAWING



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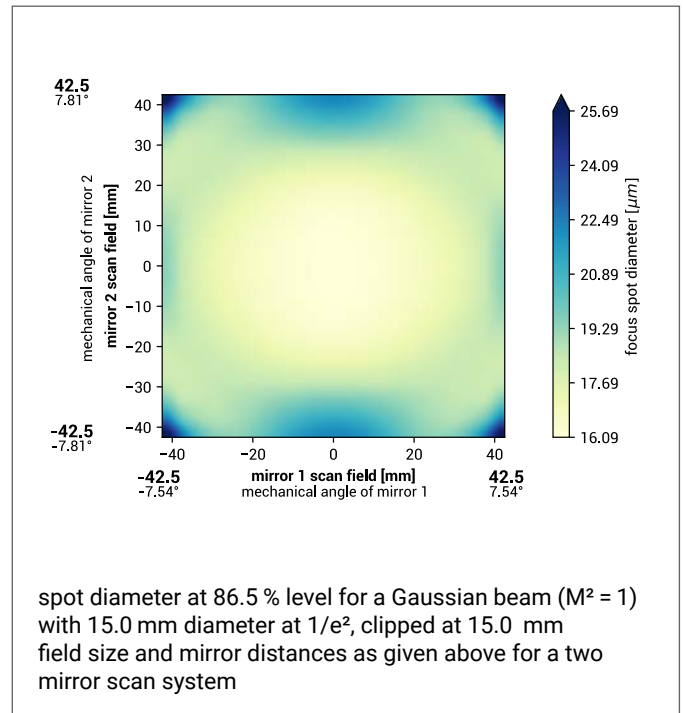
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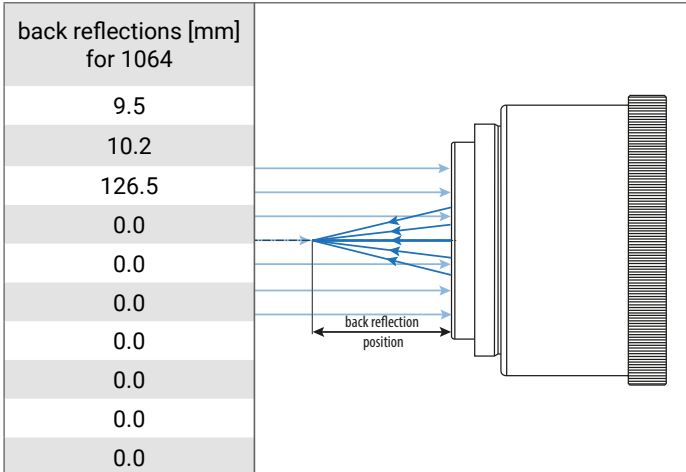
SPECIFICATIONS

| | |
|--|---|
| article number | S4LFT3162-328 |
| design wavelength [nm] | 1064 |
| effective focal length [mm] | 163.5 |
| working distance [mm] | 201.5 |
| max. entrance beam-Ø [mm] | 15.0 |
| aperture stop distance [mm] | 27.7 |
| scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm] | 90 x 90 19.7 / 35.7 |
| max. telecentricity error [°] | 5.6 |
| total transmission [%] | > 97 |
| absorption [ppm] | 105 |
| lens material | fused silica |
| LIDT (coating) | 5.0 J/cm ² per 1ns pulse at 50Hz |
| SP and USP usable | yes |
| weight [kg] | 1.8 |
| cover glass | S4LPG4160-328 |
| 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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