

DATA SHEET

S4LFT4149-075

F-THETA

TELECENTRIC - FUSED SILICA

355 nm

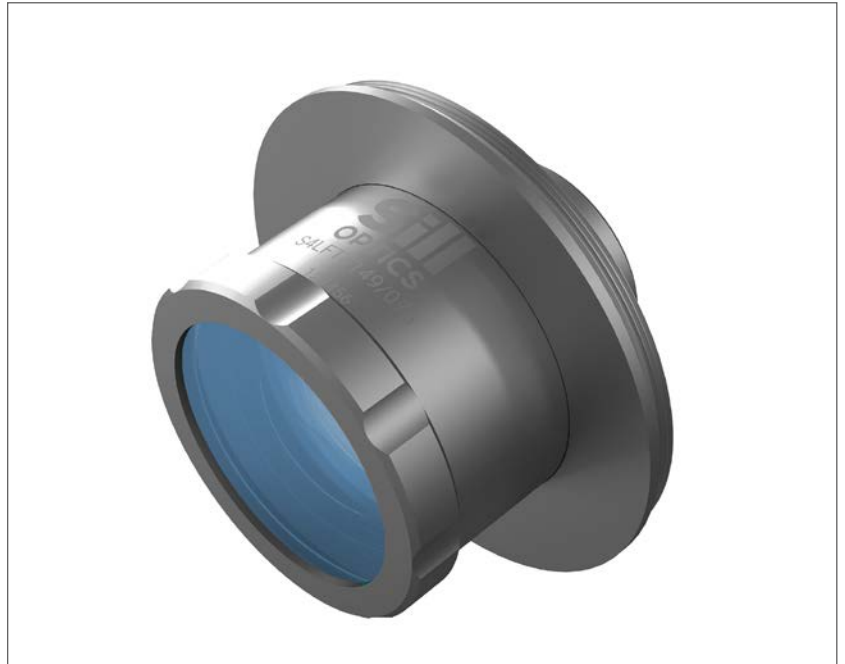
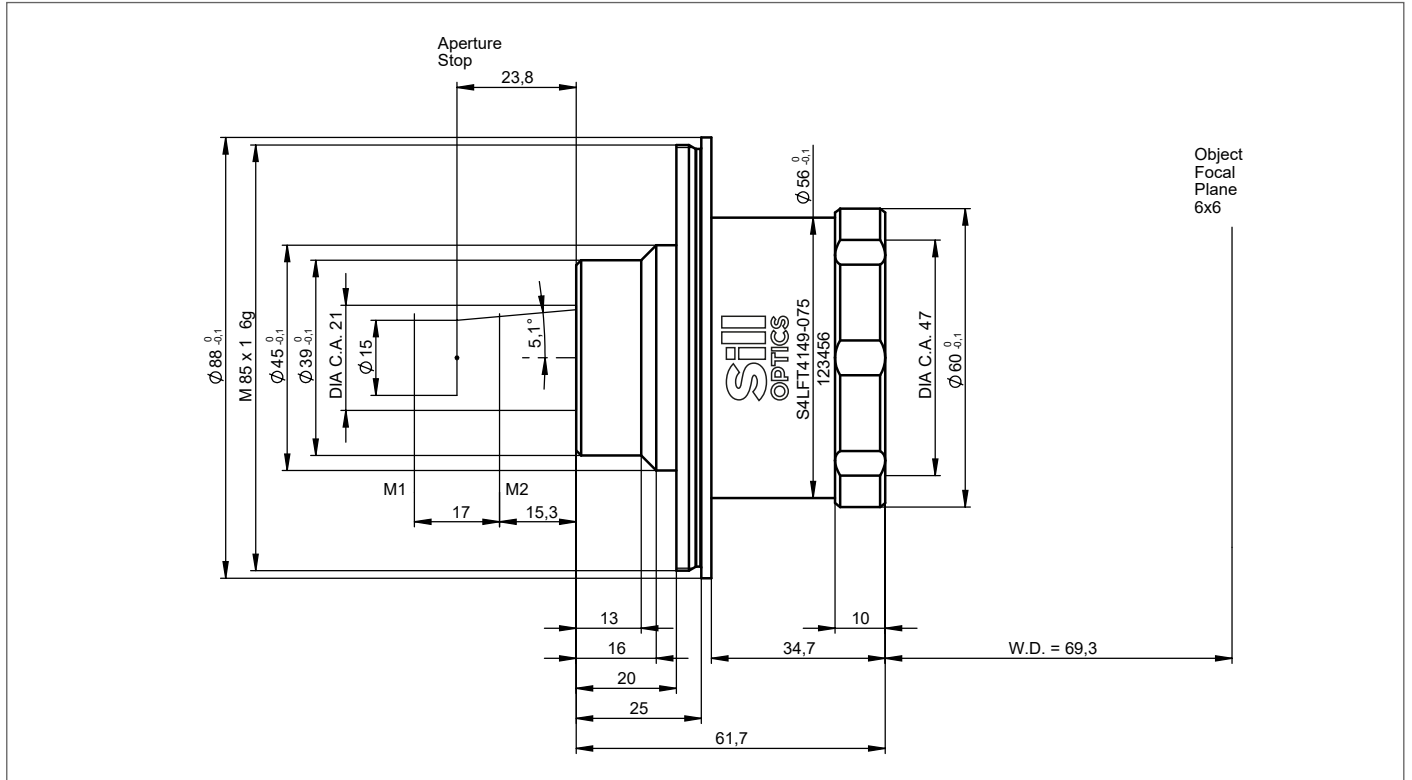


ILLUSTRATION ONLY

OUTLINE DRAWING



All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 27.07.2023

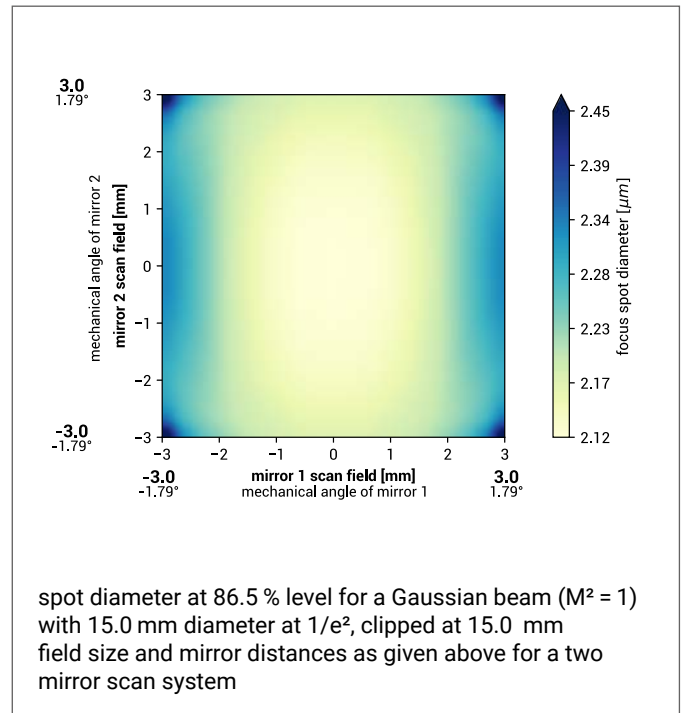
Sill
OPTICS
WWW.SILLOPTICS.DE

DATA SHEET

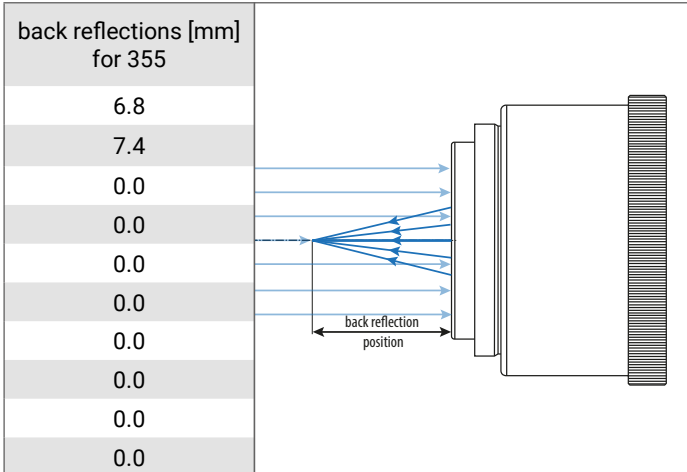
SPECIFICATIONS

| | |
|--|---|
| article number | S4LFT4149-075 |
| design wavelength [nm] | 355 |
| effective focal length [mm] | 48.1 |
| working distance [mm] | 69.3 |
| max. entrance beam-Ø [mm] | 15.0 |
| aperture stop distance [mm] | 23.8 |
| scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 [mm x mm] | 6 x 6 15.3 / 32.3 |
| max. telecentricity error [°] | 2.1 |
| total transmission [%] | > 97 |
| absorption [ppm] | not specified |
| lens material | fused silica |
| LIDT (coating) | 1.0 J/cm ² per 1ns pulse at 50Hz |
| SP and USP usable | yes |
| weight [kg] | not yet weighed |
| cover glass | S4LPG3105-075 |
| 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.

All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 27.07.2023