

# DATA SHEET

## S4LFT3340-075

F-THETA

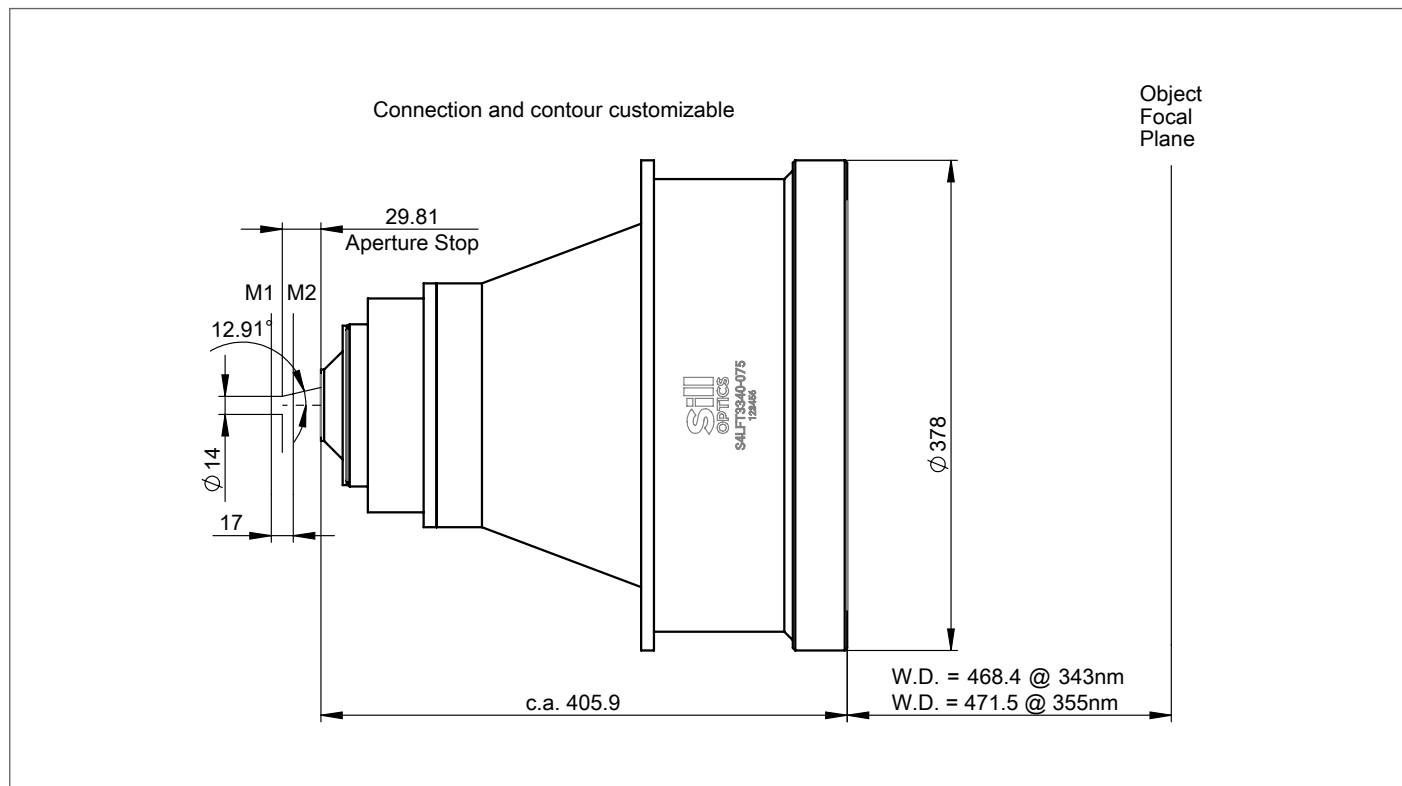
TELECENTRIC - FUSED SILICA

343, 355 nm



ILLUSTRATION ONLY

### OUTLINE DRAWING

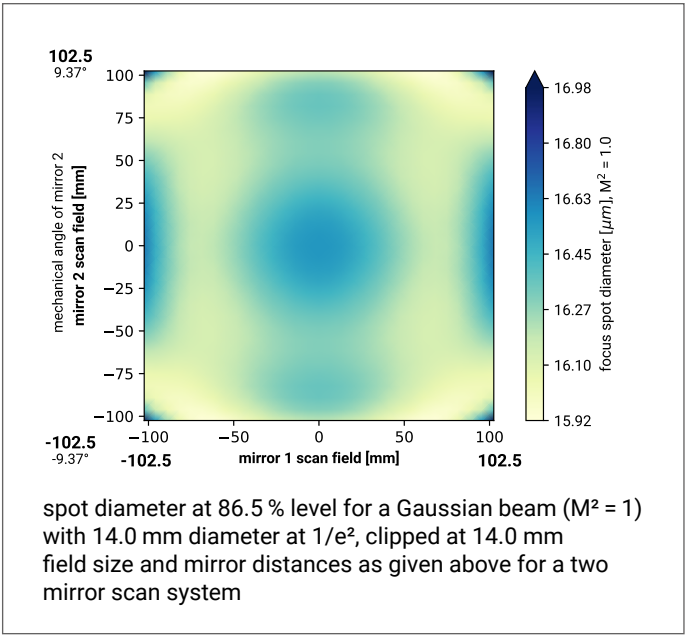


# DATA SHEET

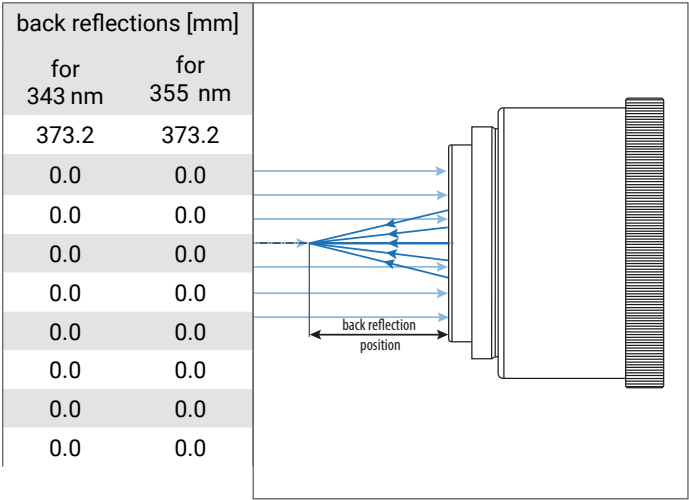
## SPECIFICATIONS

|                                                                                                |                                 |       |
|------------------------------------------------------------------------------------------------|---------------------------------|-------|
| article number                                                                                 | S4LFT3340-075                   |       |
| design wavelength [nm]                                                                         | 343                             | 355   |
| effective focal length [mm]                                                                    | 338.0                           | 340.0 |
| max. entrance beam-Ø [mm]                                                                      | 14.0                            |       |
| aperture stop distance [mm]                                                                    | 27.8                            |       |
| working distance [mm]                                                                          | 468.4                           | 471.5 |
| scan area for a 2 mirror system with mirror distance from lens housing for mirror 2 / mirror 1 | 205 x 205<br>21.3 / 38.3        |       |
| max. telecentricity error [°]                                                                  | 0.9                             |       |
| total transmission [%]                                                                         | > 97                            |       |
| lens material                                                                                  | fused silica                    |       |
| LIDT (coating)                                                                                 | 1.0 J/cm² per 1ns pulse at 50Hz |       |
| SP and USP usable                                                                              | yes                             |       |
| weight [kg]                                                                                    | 23.0                            |       |
| cover glass                                                                                    | S4LPG3340-075                   |       |

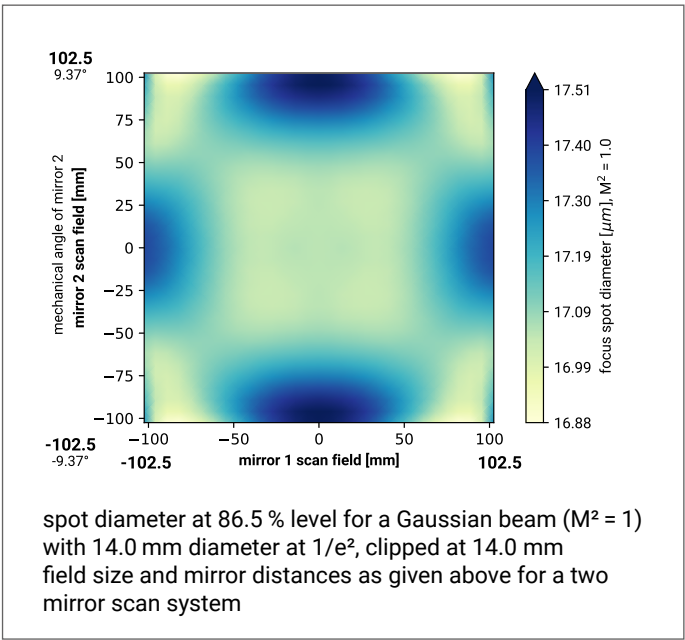
## SPOT FOR 343nm



## BACK REFLECTION POSITION



## SPOT FOR 355nm



## REMARKS

|                                                                                                          |
|----------------------------------------------------------------------------------------------------------|
| The stated values are based on a vignetting of less than 1 %.                                            |
| Effective focal length and working distance have tolerance of +/- 1.5 %.                                 |
| Absorption tolerance +/- 25 %. Absorption may increase. Correct cleaning establishes original condition. |

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