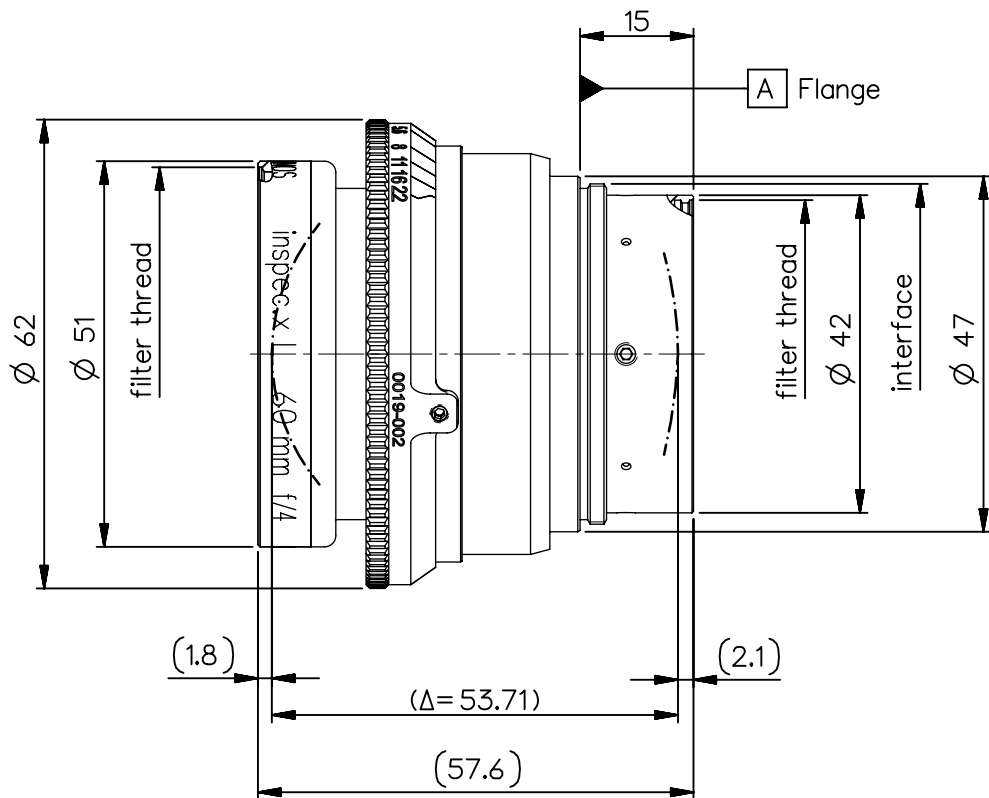
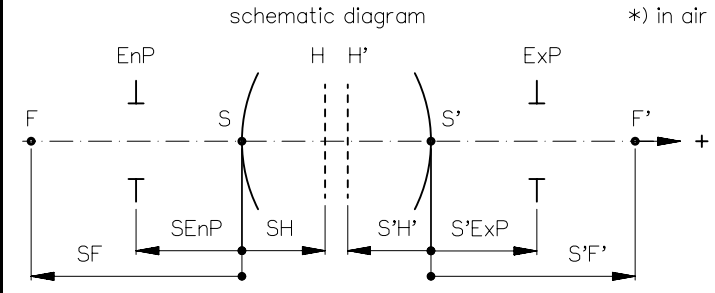


| | |
|-----------------|-----------------|
| order number | lens name |
| 0019-002-000-50 | inspec.x L 4/60 |



| | | | |
|--------------------------|---------------------|-----------------------|----------------------|
| Specification | | ON | 7721-9011 |
| image circle max. (mm) | 70.9 | working distance (mm) | 334 ... ∞ |
| focal length f' (mm) | 60.6 | interface | M45x0.75 |
| magnification β' [range] | -0.033 [-0.2 ... 0] | filter thread | M49x0.75 / M40.5x0.5 |
| spectral range λ (nm) | 400 - 750 | weight (g) | 240 |

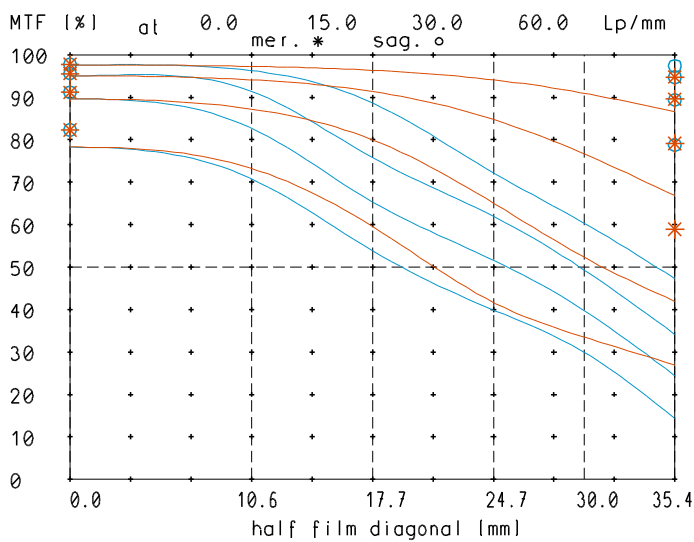


| | | | | |
|----------------------------------|-------|-----------------|-------|-------|
| design includes CCD cover glass: | | yes / 2mm N-BK7 | | |
| SF (mm) | -33.6 | f-stop | Ø EnP | Ø ExP |
| S'F' (mm) *) | 42.3 | 4 | 14.4 | 14.5 |
| HH' (mm) *) | 8.5 | 5.6 | 10.8 | 10.9 |
| SH (mm) | 26.9 | 8 | 7.6 | 7.6 |
| S'H' (mm) *) | -18.3 | 11 | 5.5 | 5.5 |
| SEnP (mm) | 26.6 | 16 | 3.8 | 3.8 |
| S'ExP (mm) *) | -18.6 | 22 | 2.8 | 2.8 |

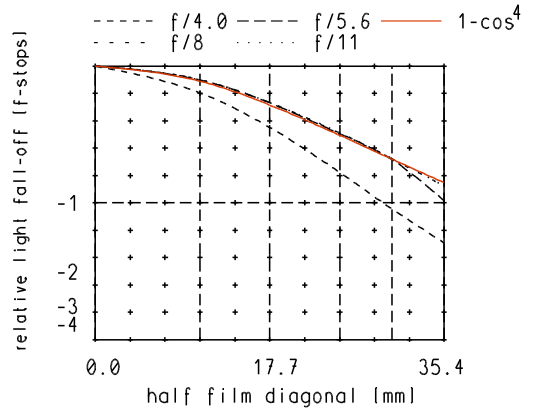
| | | | | | | | | | | |
|--|--|--|-------------------------|--|----------------|--|---------------------------------|--|--|--|
| Schutzvermerk "DIN ISO 16016" beachten | EU-D | | AL-T1A | | US-D | | US-ML | | not export controlled | |
| | Rev. a | | Aenderung Neuausg | | Datum 04.06.18 | | Freigabe Denk | | zul. Abweichung für Mass, Form & Lage | |
| | Tolerierung | | Ersterstellung 04.06.18 | | Datum 04.06.18 | | Name Denk | | Prüfung 04.06.18 Stauder | |
| | Oberfläche | | Maßstab 1:1 | | Werkstoff | | Benennung inspec.x L 1:4 f=60mm | | Zeichnungsnummer 0019-002-100-50-0001a | |
| DIN A 4 | Alle Maße in mm, inklusive Oberflächenbehandlung | | | | | | Ersatz für | | Blatt 1 von 1 | |

inspec.x_L_4.0/60

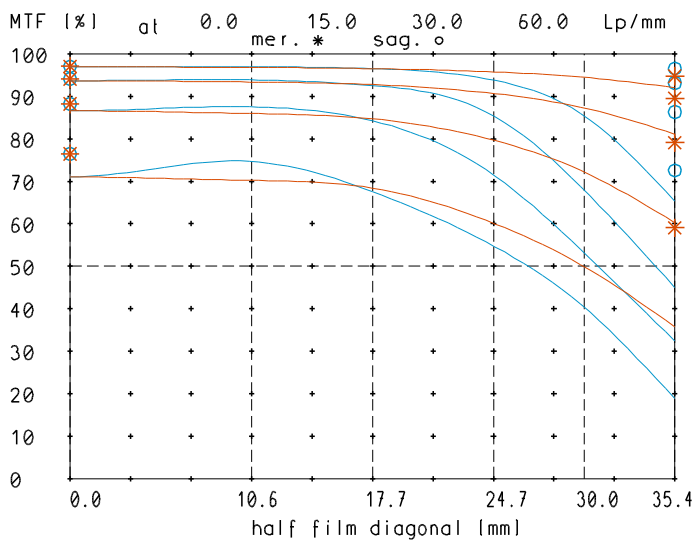
MTF at ratio -0.03 f/ 4.0



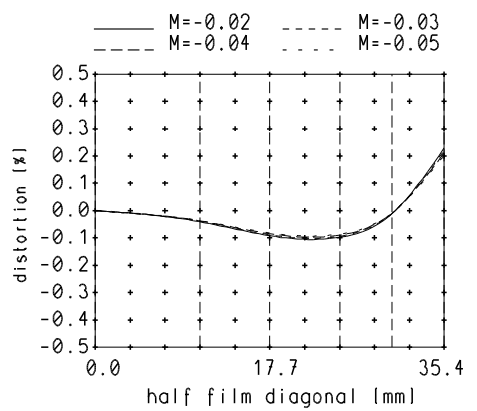
relative light fall-off at ratio -0.03



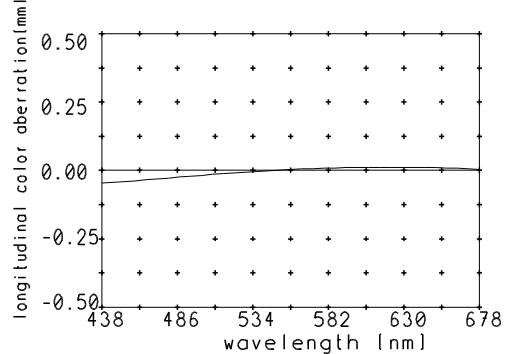
MTF at ratio -0.03 f/ 5.6



Distortion at ratio -0.02 to -0.05



Longitudinal color aberration at ratio -0.03



— sagittal, o Diffraction limited value
 — meridional* Diffraction limited value

Named frequencies (line pairs/mm) in modular transfer function (MTF) as well as diagrams of relative light fall-off, distortion and longitudinal color aberration refer to film plane.