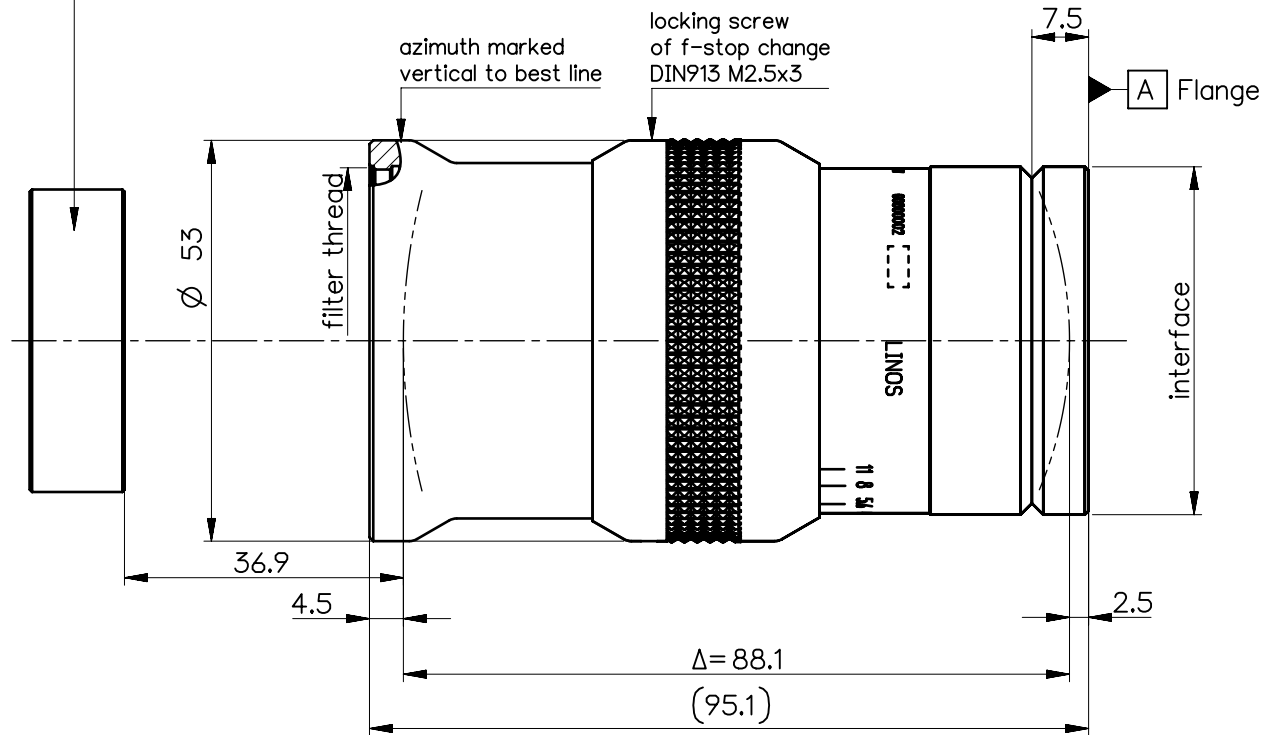


order number	lens name
0703-107-000-20	inspec.x L 4/105 -3.5x prism
0703-107-824-00	inspec.x L prism module

optical design includes
prism:
optical path length 12.5mm BK7

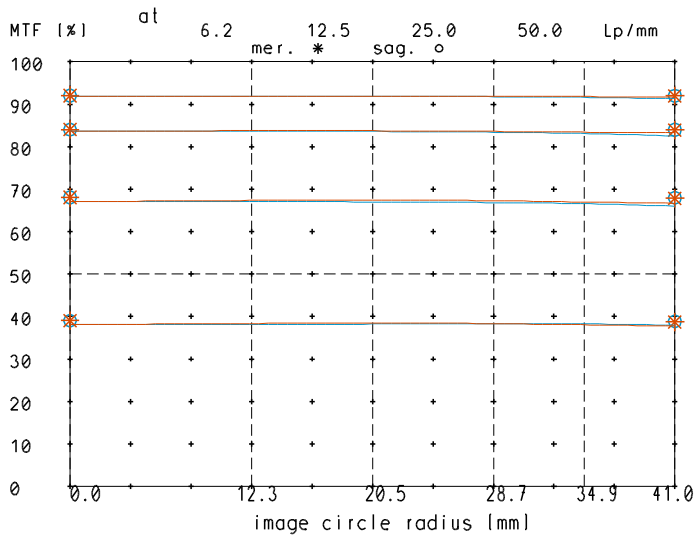


Specification		ON	7604-9373
image circle max. (mm)	82	working distance (mm)	34 ... 28
focal length f' (mm)	105.3	interface	V-groove $\varnothing 46$ h7
magnification β' [range]	-3.5 [-3.3 ... -4.0]	filter thread	M46 x0.75
spectral range λ (nm)	400 - 750	weight (g)	440
schematic diagram		design includes CCD cover glass: yes 0.4mm Suprasil	
*) in air		SF (mm)	-54.5
f-stop		\varnothing EnP	27.2
S'F' (mm) *)		\varnothing Exp	26.2
HH' (mm) *)			
SH (mm)			
S'H' (mm) *)			
SEnP (mm)			
S'Exp (mm) *)			

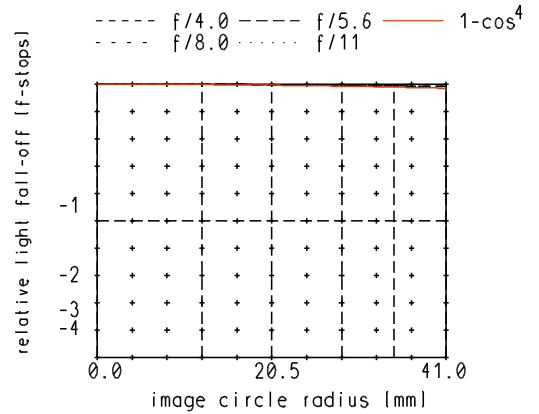
NX	EU-D	AL-T1A	US-D	US-ML	not export controlled
	REV	ECC	DATE	APPROVED	PDM Status Freigabe
	a	Neuausg			SCALE 1:1
	b	11-027	01.09.11	Schiffe	MATERIAL
	c	11-358	21.02.12	Kuehne	TITLE inspec.x L 4/105 -3.5x prism prepared for prism use
	d	14-0184	21.08.14	Schiffe	
e	15-0640	31.07.15	Bo ll		
f	16-0357	03.07.16	Labarte		
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT				
	DRAWING NO. 0703-107-100-00-0001f				SHEET 1 OF 1
	REPLACES				

inspec.x_L_4/105_-3.5x_prism

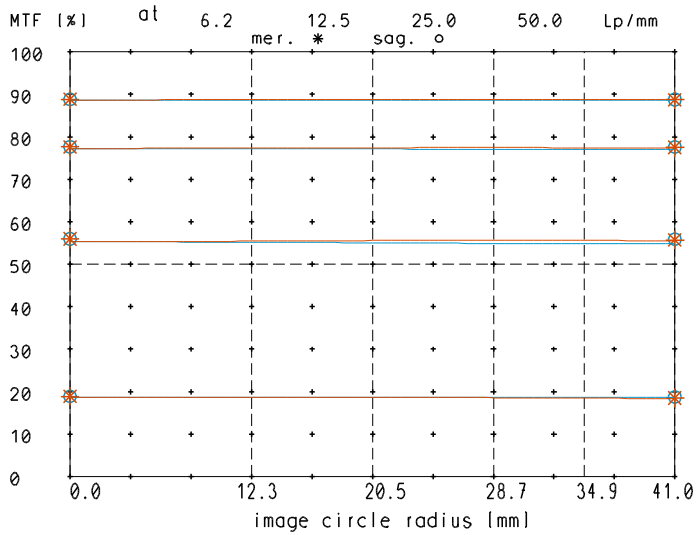
MTF at ratio -3.5 f/ 4.0



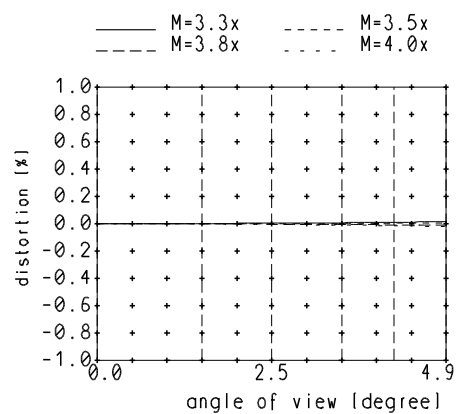
relative light fall-off at ratio -3.5



MTF at ratio -3.5 f/ 5.6

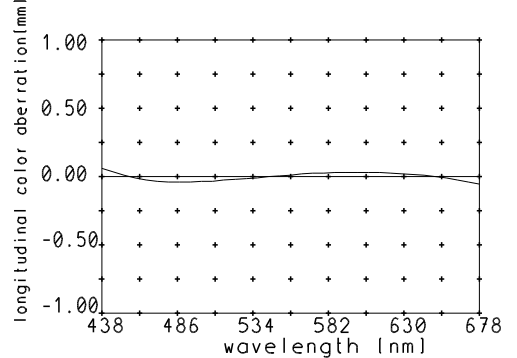


Distortion at ratio 3.3x to 4.0x



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

Longitudinal color aberration at ratio -3.5



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.