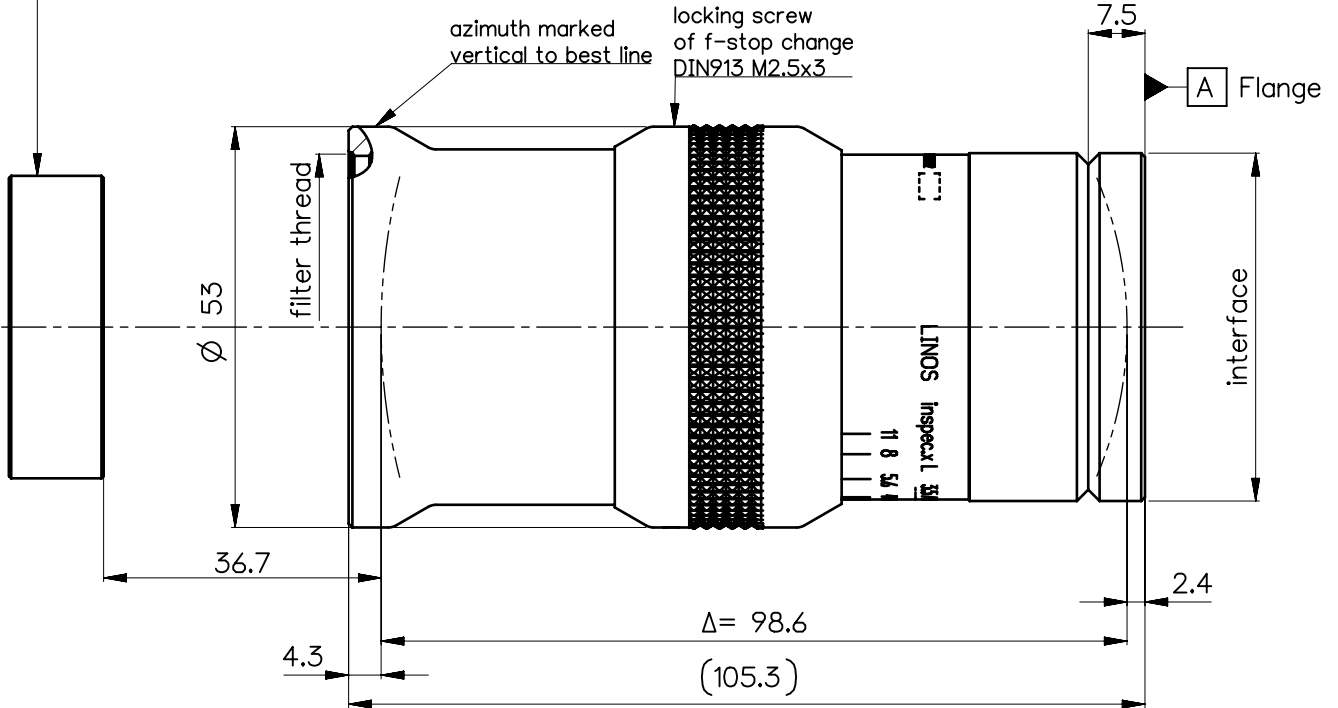
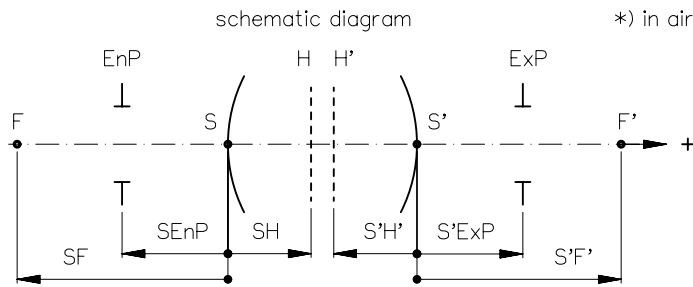


order number	lens name
0703-108-000-20	inspec.x L 3.5/105 -5x prism
0703-107-824-00	inspec.x L prism module

optical design includes
prism:
optical path length 12.5mm BK7



Specification		ON	7604-9394
image circle max. (mm)	siehe oben	working distance (mm)	20 - 18
focal length f' (mm)	113.3	interface	V-groove $\varnothing 46$ h7
magnification β' [range]	-5 [-4.8 ... -5.2]	filter thread	M46 x 0.75
spectral range λ (nm)	400 - 750	weight (g)	450

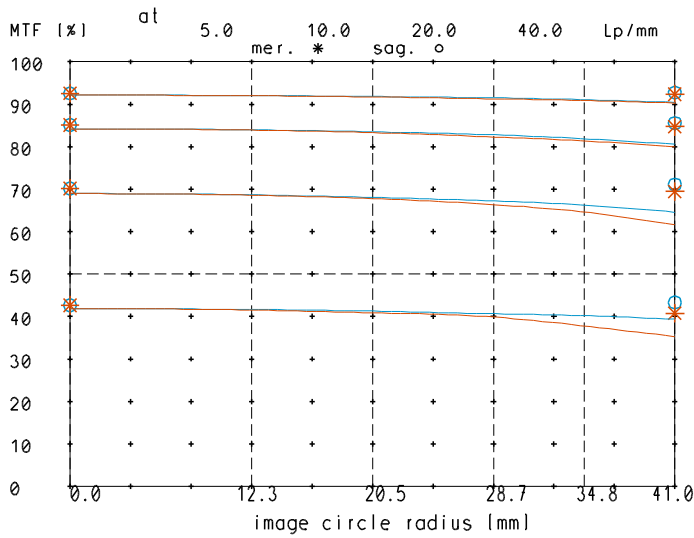


design includes CCD cover glass:		yes 0.4 Suprasil	
SF (mm)	-49.0	f-stop	\varnothing EnP
S'F' (mm) *)	29.0		\varnothing Exp
HH' (mm) *)	-49.9	3.5	34.2
SH (mm)	64.3	4	29.9
S'H' (mm) *)	-84.3	5.6	21.4
SEnP (mm)	71.9	8	15.0
S'Exp (mm) *)	-77.1	11	10.9
			10.2

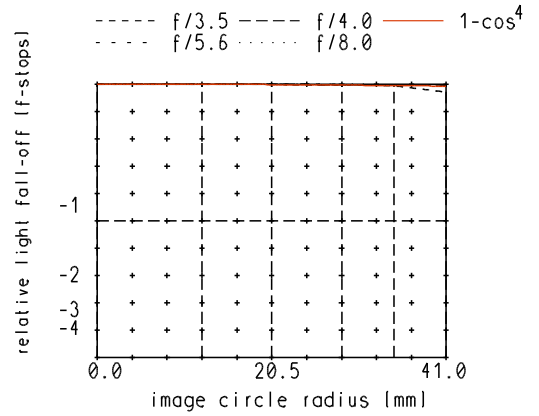
NX	EU-D	AL-T1A	US-D	US-ML	not export controlled	
	REV	ECC	DATE	APPROVED	PDM Status Freigabe	
	a	NeuAusg			-	
	b	12-0185	05.04.12	Schuber	SCALE 1:1	
	c	14-0184	21.08.14	Schiffe	MATERIAL	
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	d	15-0640	31.07.15	Bo ll	TITLE inspec.x L 3.5/105 -5x prism prepared for prism use	
	e	16-0357	04.07.16	Labar te		
	GENERAL TOLERANCE OF DIMENSION, FORM, POS.					BASIC TOLERANCING PRINCIPLE ISO 8015
	SURF. TREATMT					
	FIRST ISSUE	DATE	NAME			
		28.07.11	Kuehne			
		28.07.11	Stauder			
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT				DRAWING NO. 0703-108-100-00-0001e	
					SHEET 1 OF 1	
					REPLACES	

inspec.x_L_3.5/105_-5x_prism

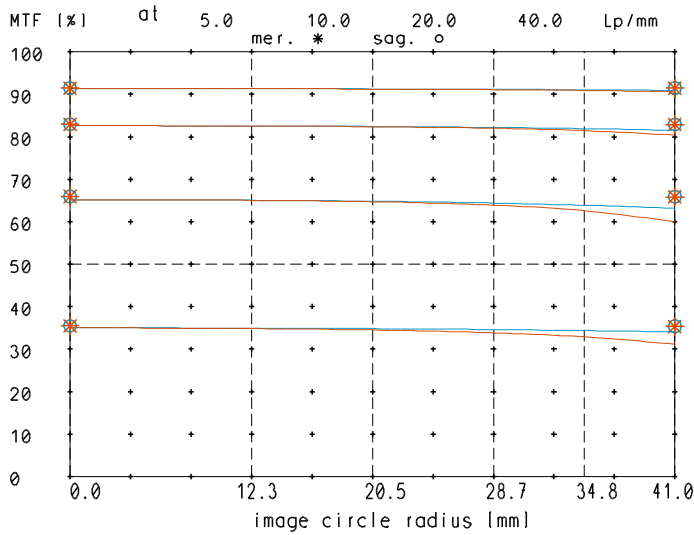
MTF at ratio -5.0 f/ 3.5



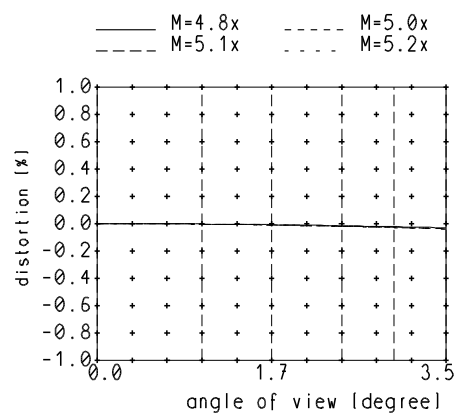
relative light fall-off at ratio -5.0



MTF at ratio -5.0 f/ 4.0

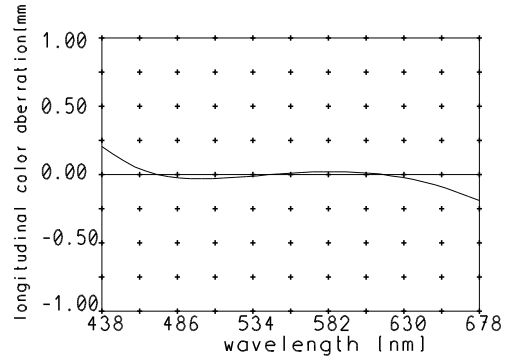


Distortion at ratio 4.8x to 5.2x



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

Longitudinal color aberration at ratio -5.0



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.