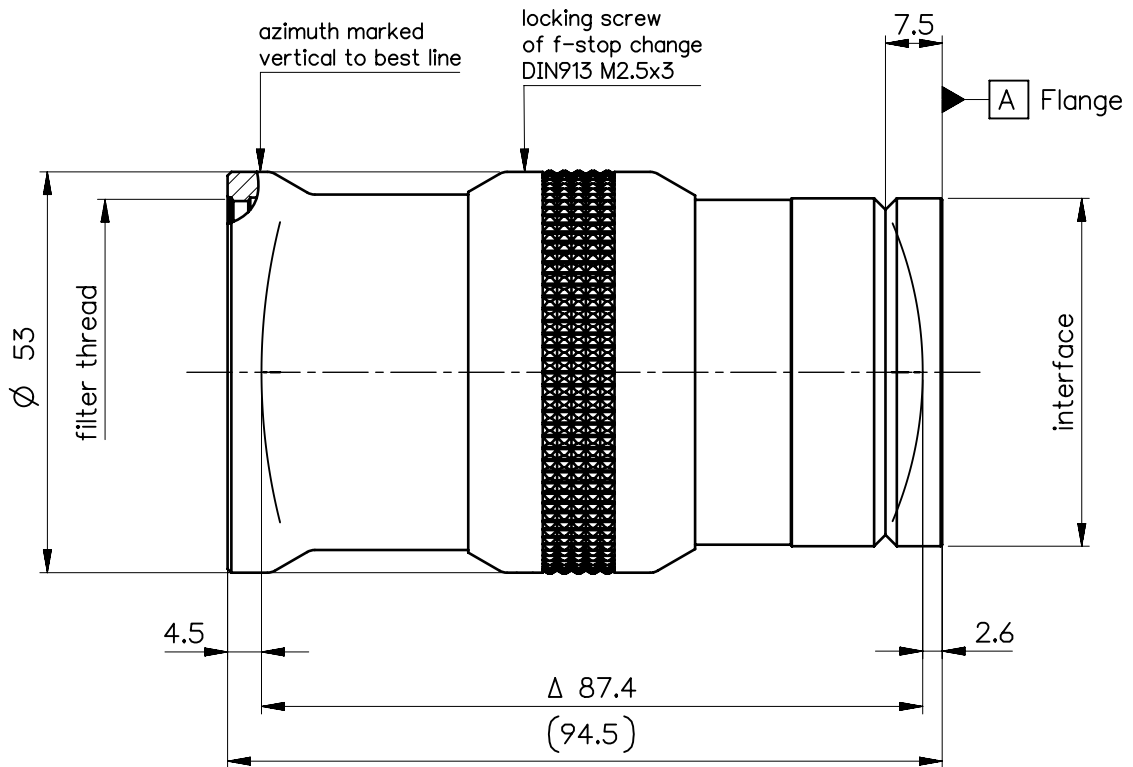
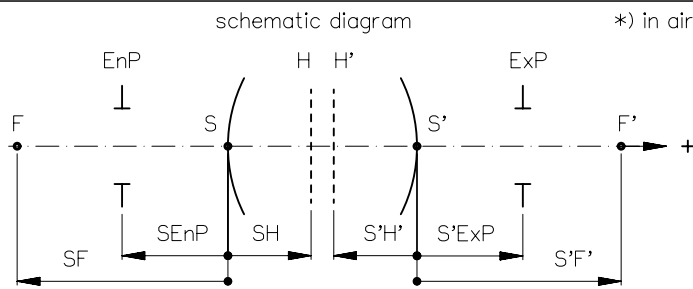


order number	lens name
0703-095-000-21	inspec.x L 4/105 -3.5x



Specification		ON	7604-9331
image circle max. (mm)	82	working distance (mm)	79 - 75
focal length f' (mm)	104.9	interface	V-groove $\varnothing 46$ h7
magnification β' [range]	-3.5 [-3.3 ... -3.7]	filter thread	M46 x0.75
spectral range λ (nm)	400 - 750	weight (g)	440

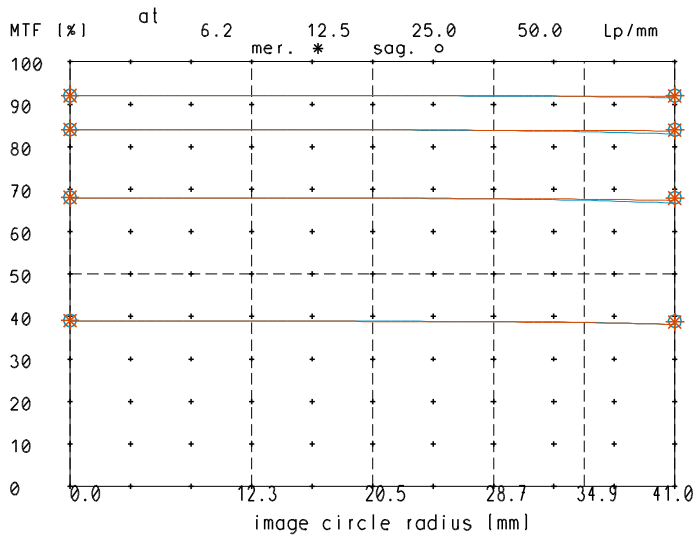


design includes CCD cover glass:		yes 0.4mm Suprasil		
SF (mm)	-51.0	f-stop	\varnothing EnP	\varnothing ExP
S'F' (mm) *	41.7	4	26.7	26.1
HH' (mm) *	-29.8	5.6	19.1	19.2
SH (mm)	53.9	8	13.4	13.0
S'H' (mm) *	-63.2	11	9.7	9.5
SEnP (mm)	56.4			
S'ExP (mm) *	-60.7			

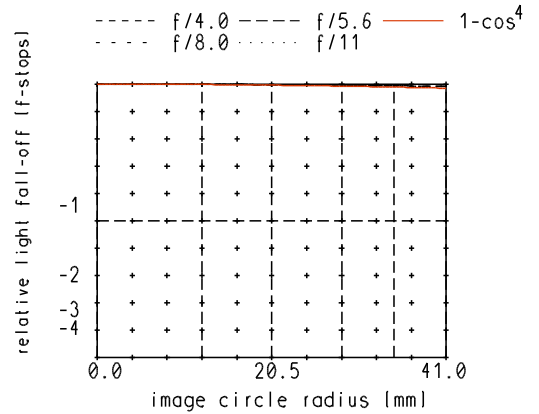
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	EU-D		AL-T1A		US-D		US-ML		not export controlled		
	REV		ECC		DATE		APPROVED		GENERAL TOLERANCE OF DIMENSION, FORM, POS.		
	a		Neuausg						SCALE 1:1		
	b		09-276		22.07.09		Labarte		MATERIAL		
	c		09-479		15.12.09		Labarte		TITLE		
	d		10-215		22.04.10		Labarte		inspec.x L 4/105 -3.5x		
	e		11-358		21.02.12		Kuehne				
	f		12-0185		05.04.12		Schuber				
g		14-0184		19.08.14		Schiffe					
h		15-0640		31.07.15		Boill		FIRST DATE NAME ISSUE 03.02.09 Labarte CHKD 03.02.09 Schaeffler			
DIN A 4		ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT						DRAWING NO. 0703-095-100-00-0001h		SHEET 1 OF 1	
								REPLACES			

inspec.x_L_4/105_-3.5x

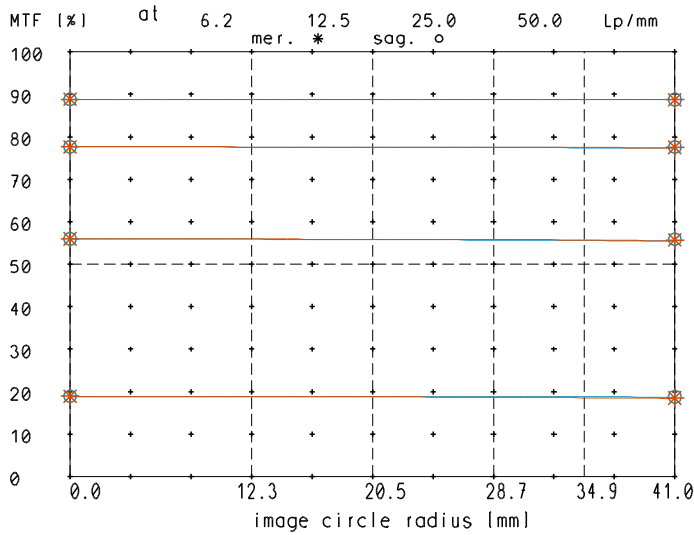
MTF at ratio -3.5 f/ 4.0



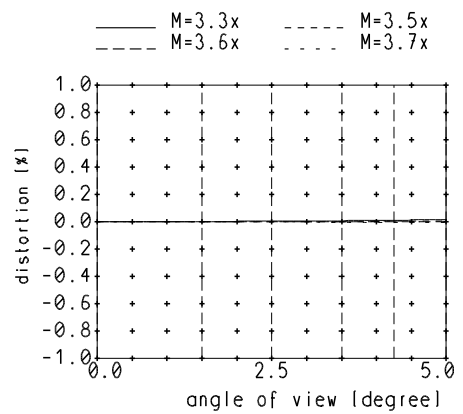
relative light fall-off at ratio -3.5



MTF at ratio -3.5 f/ 5.6

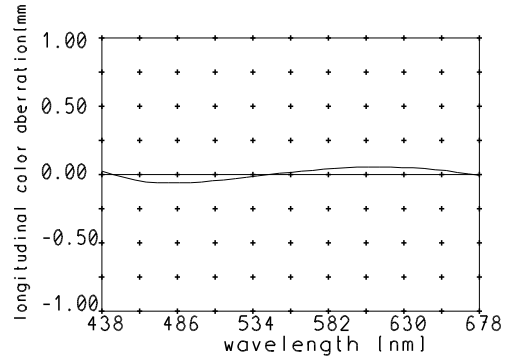


Distortion at ratio 3.3x to 3.7x



— 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.