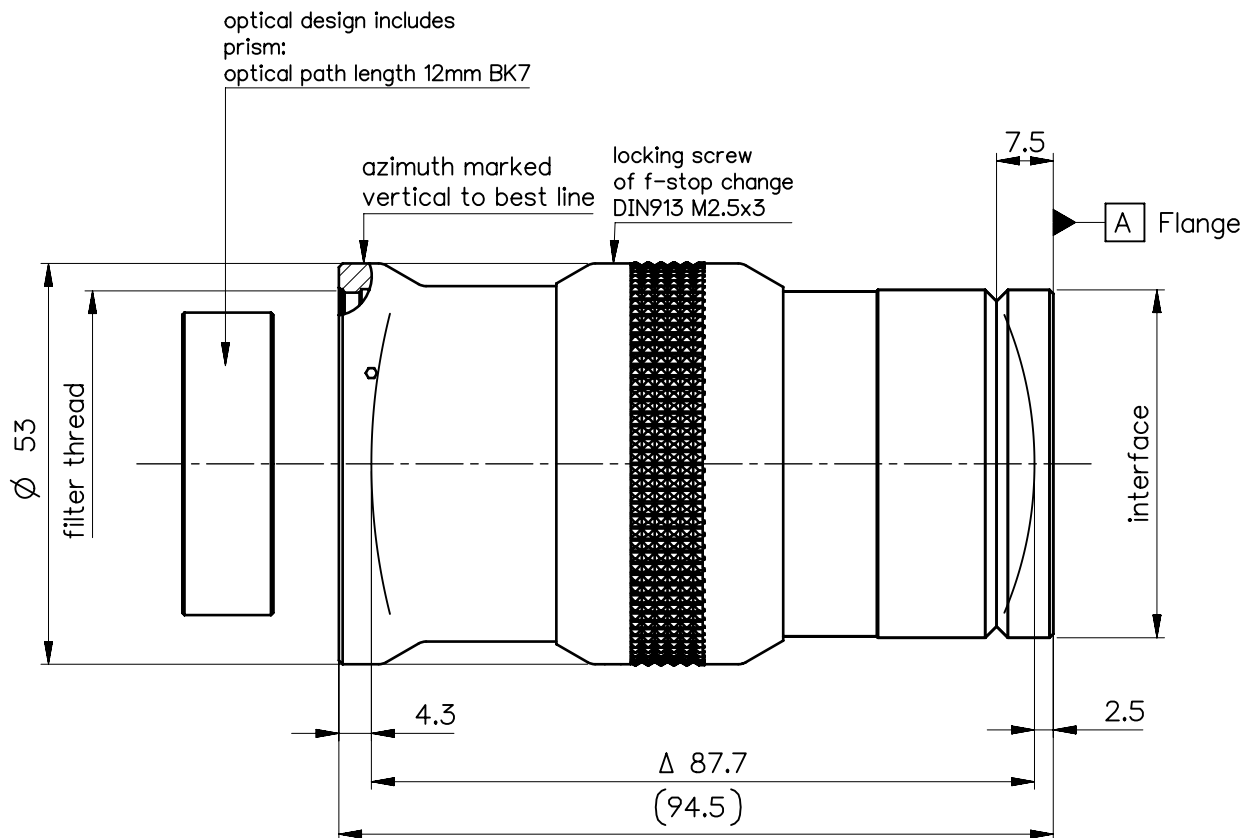


order number	lens name
0703-105-000-20	inspec.x L 4/105 -3x prism
0703-107-824-00	inspec.x L prism module



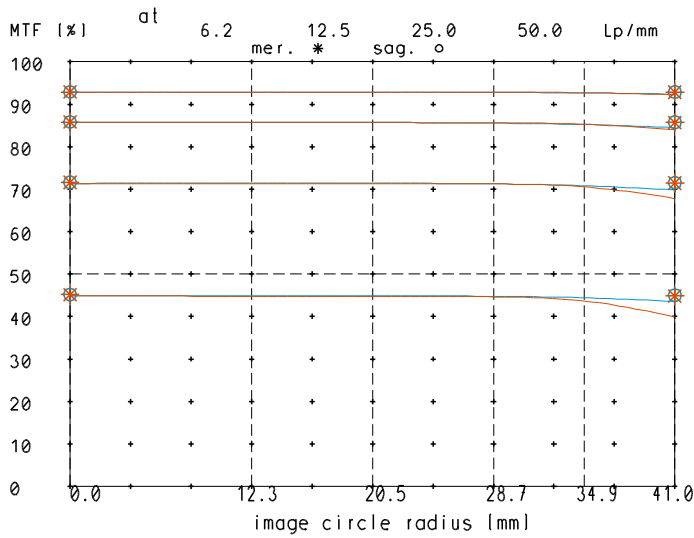
Specification		ON	7604-9361
image circle max. (mm)	82	working distance (mm)	40 - 34
focal length f' (mm)	105.0	interface	V-groove $\varnothing 46$ h7
magnification β' [range]	-3 [-2.8 ... -3.3]	filter thread	M46 x0.75
spectral range λ (nm)	400 - 750	weight (g)	440

schematic diagram		*) in air	
design includes CCD cover glass:		yes 0.4mm Suprasil	
SF (mm)	-54.5	f-stop	4
S'F' (mm) *)	41.7	\varnothing EnP	26.9
HH' (mm) *)	-26.2	\varnothing Exp	26.0
SH (mm)	50.4		
S'H' (mm) *)	-63.3		
SEnP (mm)	53.8		
S'ExP (mm) *)	-60.1		

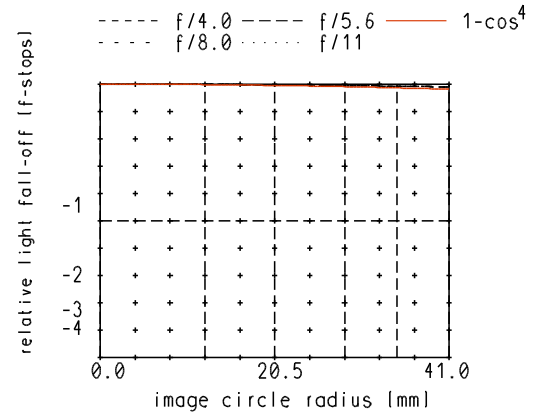
NX PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	EU-D	AL-T1A	US-D	US-ML	not export controlled
	REV	ECC	DATE	APPROVED	PDM Status Freigabe
	a	Neuausg			-
	b	11-027	06.09.11	Schiffe	SCALE 1:1
	c	11-358	21.02.12	Kuehne	MATERIAL
d	11-358	21.02.12	Kuehne	BASIC TOLERANCING PRINCIPLE	TITLE
e	15-0640	12.08.15	K-Janced		inspec.x L 4/105 -3x prism
				FIRST DATE NAME	prepared for prism use
				ISSUE 25.03.10 Labarte	
				CHKD 25.03.10 Schaeffler	
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT			QIOPTIQ	DRAWING NO. 0703-105-100-00-0001e
					SHEET 1 OF 1
					REPLACES

inspec.x_L_4/105_-3x_prism

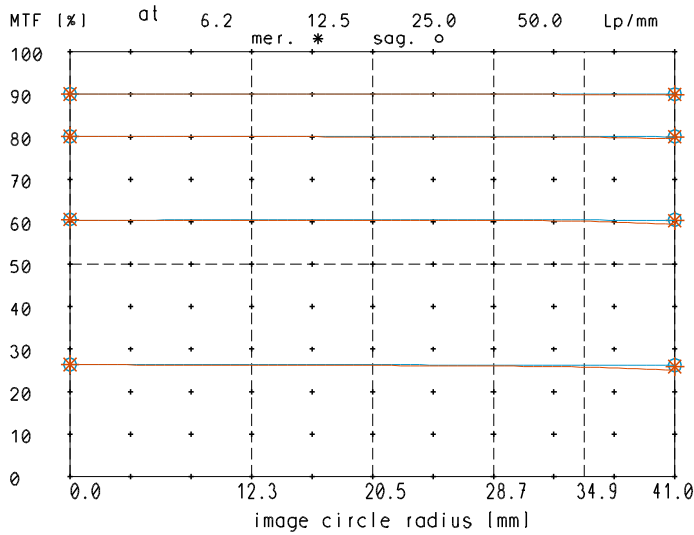
MTF at ratio -3.0 f/ 4.0



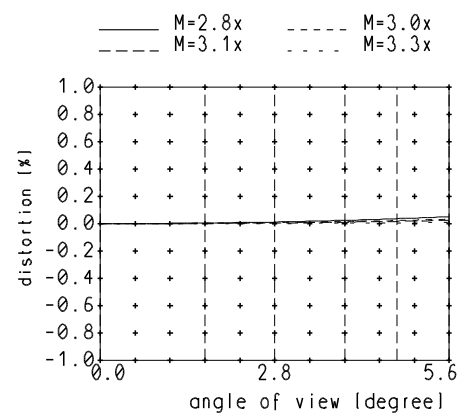
relative light fall-off at ratio -3.0



MTF at ratio -3.0 f/ 5.6

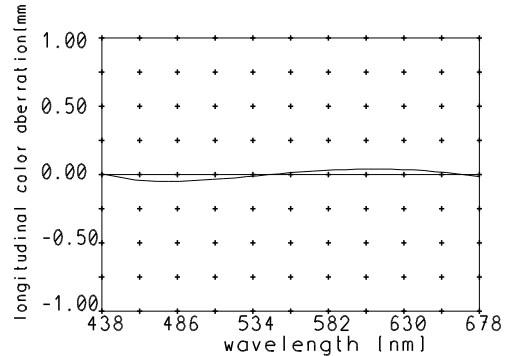


Distortion at ratio 2.8x to 3.3x



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

Longitudinal color aberration at ratio -3.0



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.