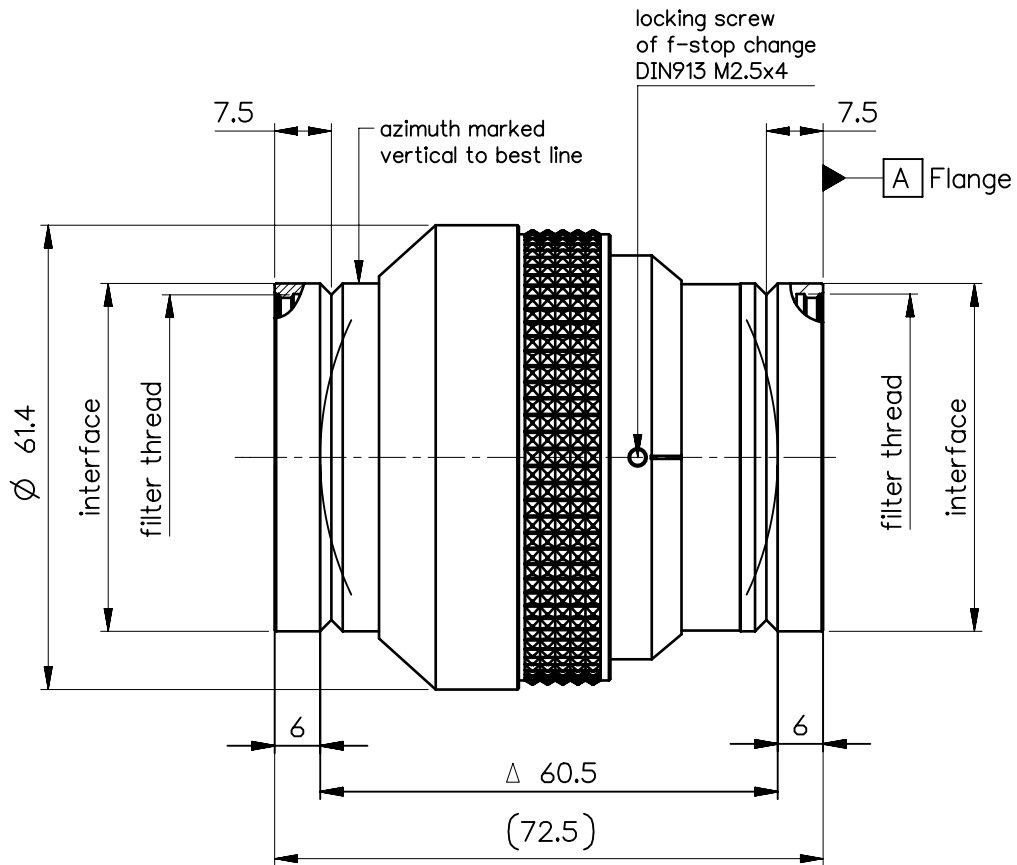
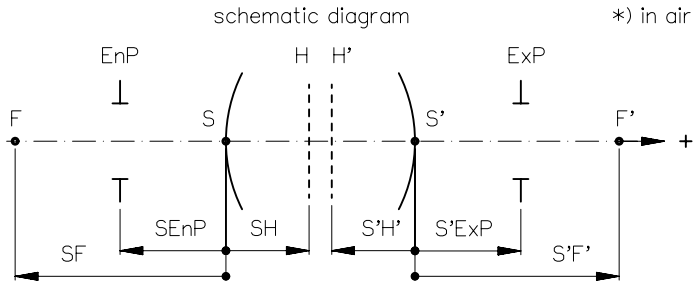


order number	lens name
0703-082-000-20	inspec.x L 5.6/105 -1x



<b>Specification</b>		ON	7608-9011
image circle max. (mm)	82	working distance (mm)	153 - 190
focal length f' (mm)	105.4	interface	V-groove Ø46 h7
magnification β' [range]	-1 [-1.2 ... -0.85]	filter thread	M43 x0.75
spectral range λ (nm)	400 - 750	weight (g)	370

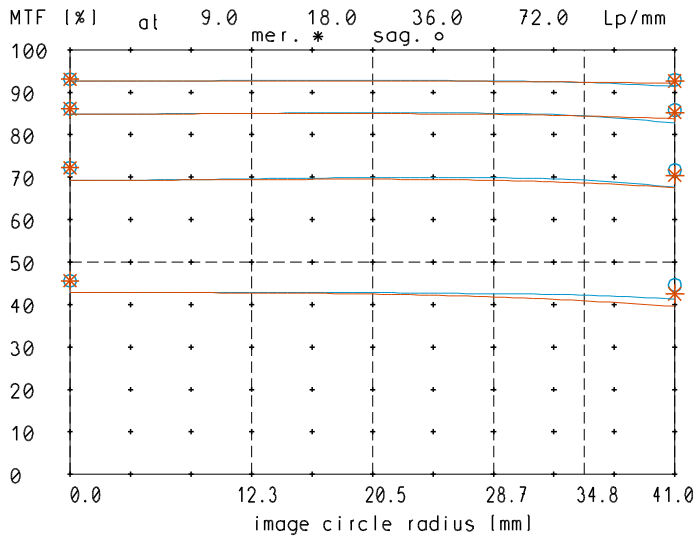


design includes CCD cover glass:		yes 0.76mm D263		
SF (mm)	-71.4	f-stop	Ø EnP	Ø Exp
S'F' (mm) *	71.4	5.6	18.8	18.8
HH' (mm) *	-7.5	8	13.2	13.2
SH (mm)	34.0	11	9.6	9.6
S'H' (mm) *	-34.0	16	6.6	6.6
SEnP (mm)	34.1	22	4.8	4.8
S'ExP (mm) *	-34.0			

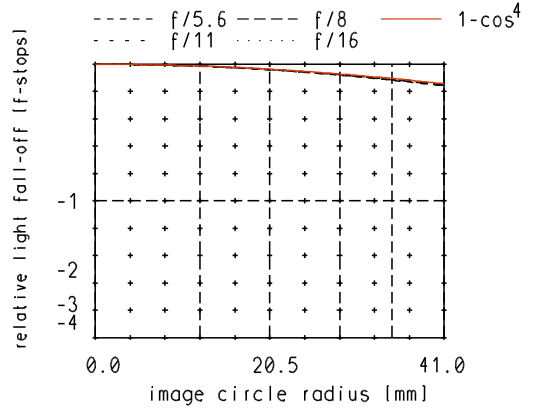
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	EU-D		AL-T1A		US-D		US-ML		not export controlled		
	REV		DATE		APPROVED		PDM Status		Freigabe		
	a	Neuausg					SCALE		1:1		
	b	08-110	19.09.08	Labarte	GENERAL TOLERANCE OF DIMENSION, FORM, POS.  BASIC TOLERANCING PRINCIPLE ISO 8015		MATERIAL  TITLE <b>inspec.x L 5.6/105 -1x</b>				
	c	08-110	26.09.08	Labarte							
	d	08-110	03.12.08	Strozew							
	e	08-420	08.12.08	Labarte							
	f	11-358	19.07.11	Kuehne							
	g	11-358	21.02.12	Kuehne	FIRST ISSUE	DATE	NAME	DRAWING NO. <b>0703-082-100-00-0001i</b>			
	h	14-0184	19.08.14	Schiffe	CHKD	14.05.08	Labarte				
i	15-0640	31.07.15	Boil			Schaeffler					
DIN A 4		ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT							REPLACES		
										SHEET 1 OF 1	

# Inspec.x\_L\_5.6/105\_1.0x

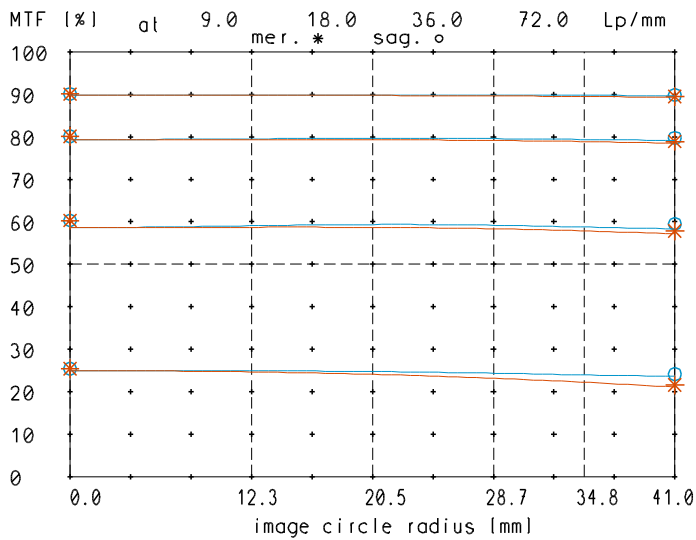
MTF at ratio 1.0x f/ 5.6



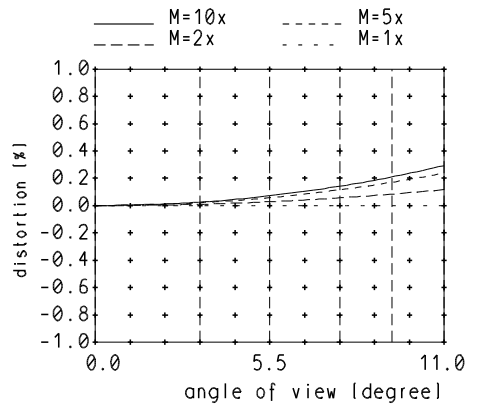
relative light fall-off at ratio 1.0x



MTF at ratio 1.0x f/ 8

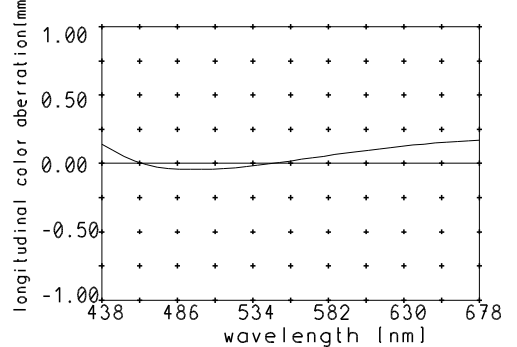


Distortion at ratio 10x to 1x



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

Longitudinal color aberration at ratio 1.0x



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.