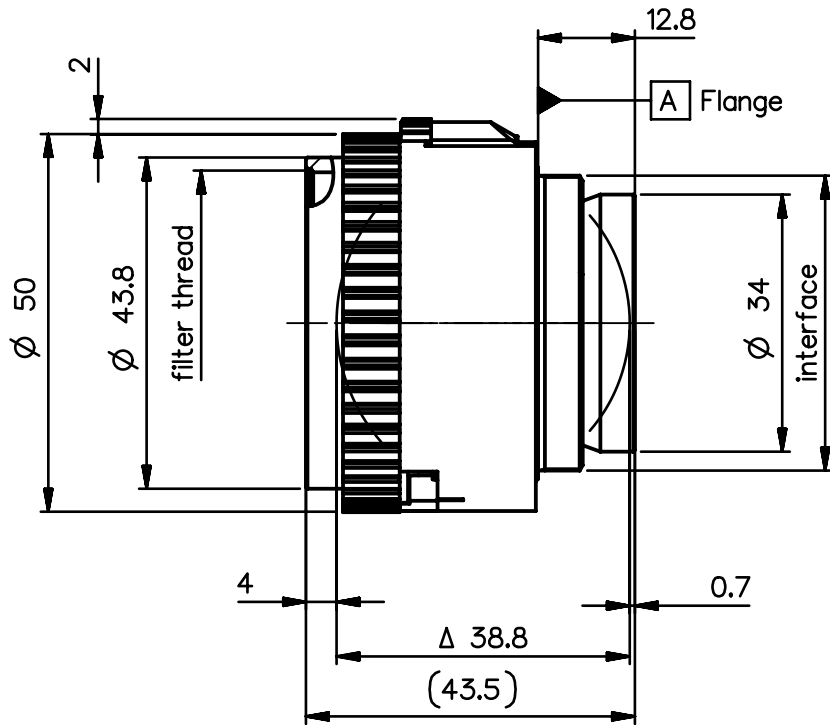
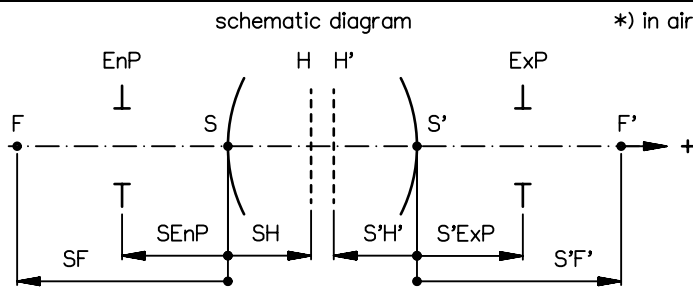


order number	lens name
0703-043-000-20	Apo Rodagon-D 5.6/120



<b>Specification</b>	<b>ON</b>	7514-9022	
image circle max. (mm)	102	working distance (mm)	242 - 456
focal length f' (mm) *	119.9	interface	M39 x1/26" (Leica)
magnification β' [range]	-0.5 [-0.8 ... -0.33]	filter thread	M40.5 x0.5
spectral range λ (nm)	400 - 750	weight (g)	110

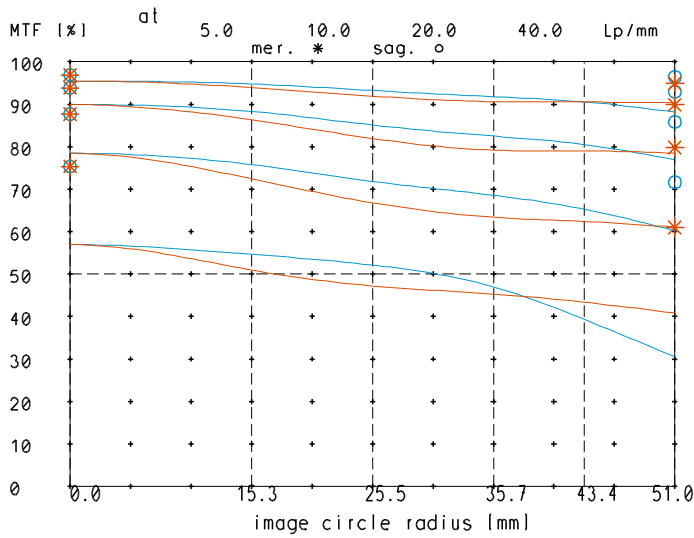


design includes CCD cover glass:	no		
SF (mm)	-97.2	f-stop	5.6
S'F' (mm) *	100.9	Ø EnP	20.7
HH' (mm) *	-3.0	Ø Exp	20.7
SH (mm)	22.7		
S'H' (mm) *	-19.0		
SEnP (mm)	22.8		
S'ExP (mm) *	-18.9		

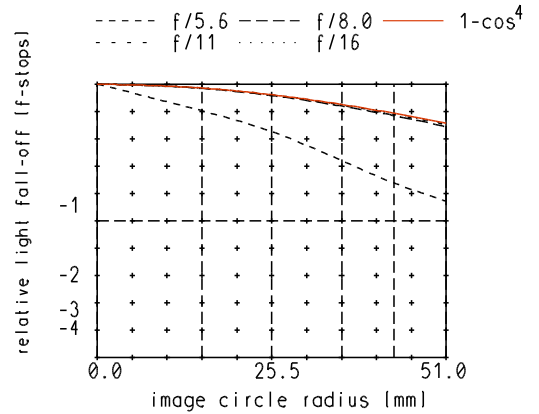
<b>NX</b> PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	EU-D	AL-T1A	US-D	US-ML	not export controlled
	REV	ECC	DATE	APPROVED	PDM Status Freigabe
	a	Neuausg			-
	b	08-281	27.08.08	Strozew	
	c	11-358	18.07.11	Kuehne	
	d	12-0013	31.01.12	Schiffe	
	e	12-0185	27.03.12	Schuber	
f	14-0184	14.08.14	Schiffe		
				SCALE -	
				MATERIAL	
				TITLE	
				<b>Apo Rodagon-D 5.6/120</b>	
				DRAWING NO.	
				<b>0703-043-100-00-0001f</b>	SHEET 1
				REPLACES	OF 1
<b>DIN A 4</b>	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT				

# Apo-Rodagon-D\_5.6/120

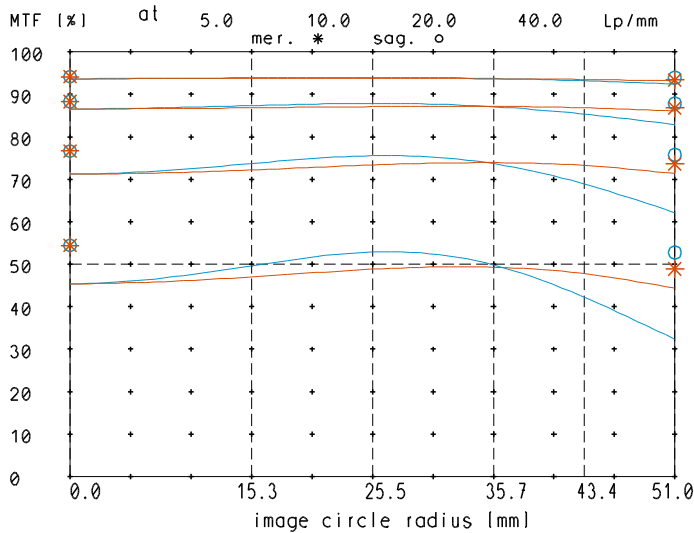
MTF at ratio -0.5 f/ 5.6



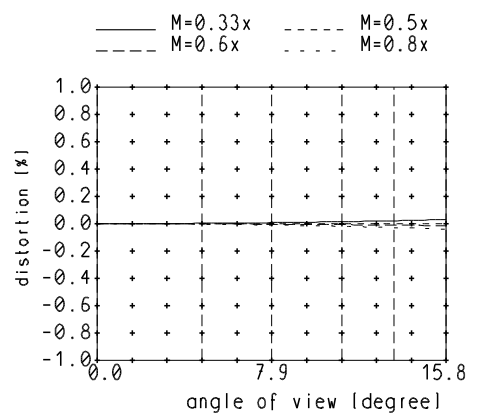
relative light fall-off at ratio -0.5



MTF at ratio -0.5 f/ 11

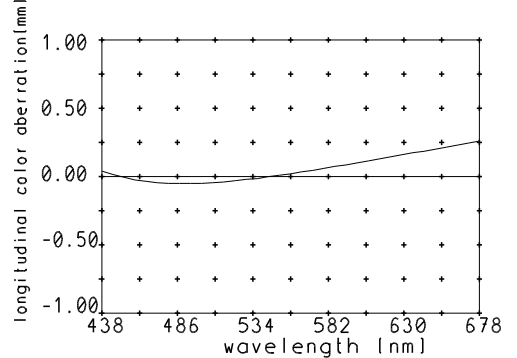


Distortion at ratio 0.33x to 0.8x



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

Longitudinal color aberration at ratio -0.5



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.