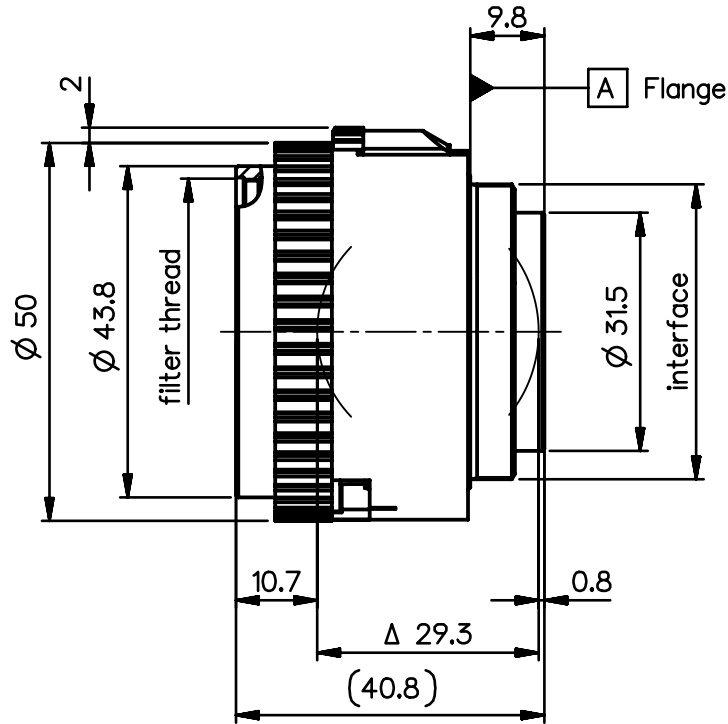
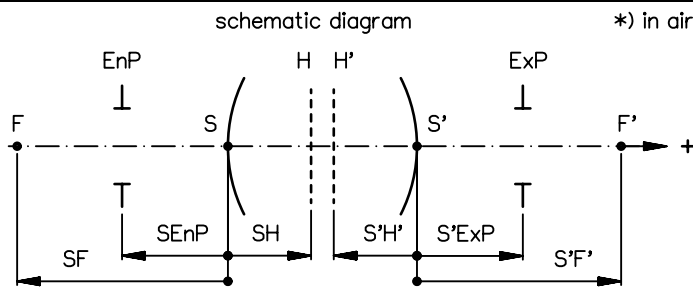


order number	lens name
0701-276-000-40	Rodagon-WA 4/60



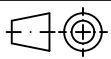
Specification		ON	7451-0070
image circle max. (mm)	82	working distance (mm)	280 - 965
focal length f' (mm) *	61.4	interface	M39 x1/26" (Leica)
magnification β' [range]	-0.125 [-0.25 ... -0.066]	filter thread	M40.5 x0.5
spectral range λ (nm)	400 - 750	weight (g)	90



design includes CCD cover glass:		no	
SF (mm)	-44.5	f-stop	
S'F' (mm) *	46.7	Ø EnP	14.9
HH' (mm) *	-2.44	Ø Exp	15.3
SH (mm)	17.0		
S'H' (mm) *	-14.7		
S'EnP (mm)	15.7		
S'Exp (mm) *	-16.1		

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	
	a	Neuausg	12.08.14	Schiffe	Freigabe	-
			GENERAL TOLERANCE OF DIMENSION, FORM, POS.	SCALE	1:1	
			BASIC TOLERANCING PRINCIPLE	MATERIAL		
			FIRST ISSUE	TITLE		
			DATE	Rodagon-WA 4/60		
			NAME			
			ISSUE	12.08.14 Schifferer		
			CHKD	12.08.14 Stauder		
				DRAWING NO.		
				0701-276-100-00-0001a	SHEET	1
				REPLACES	OF	1

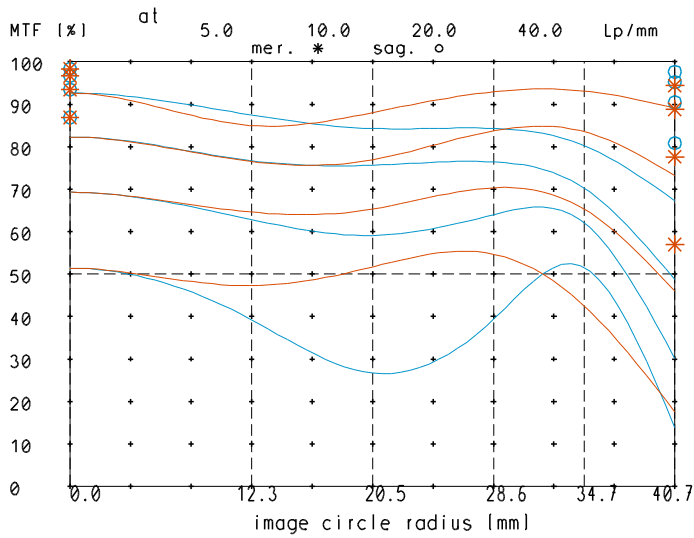
ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT



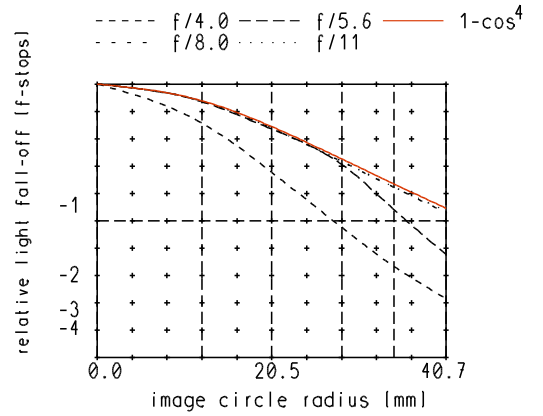
QIOPTRON

Rodagon-WA_4/60

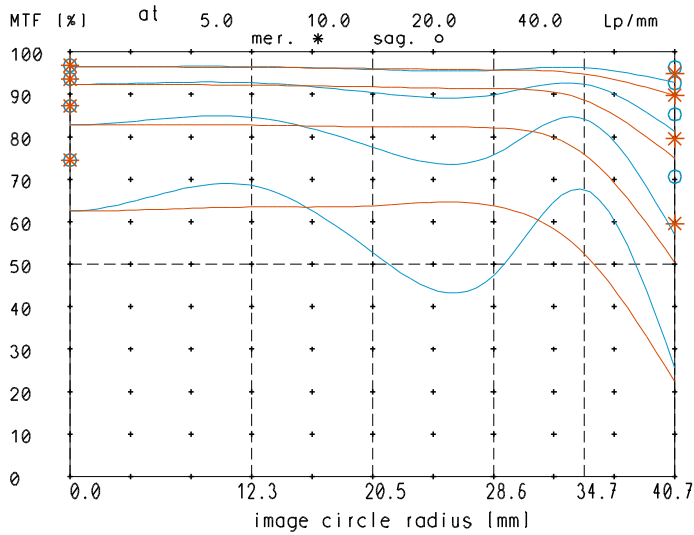
MTF at ratio -0.12 f/ 4.0



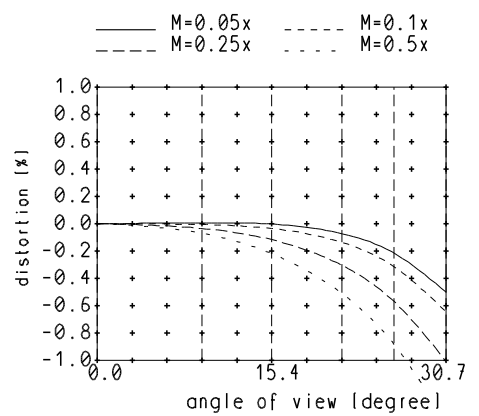
relative light fall-off at ratio -0.12



MTF at ratio -0.12 f/ 8

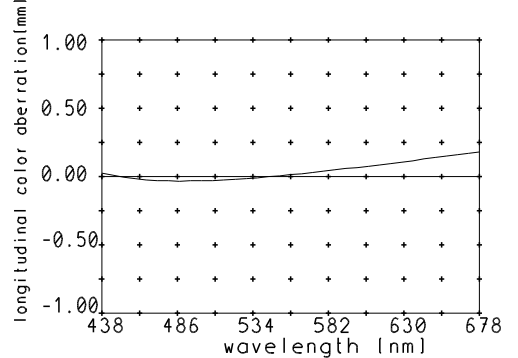


Distortion at ratio 0.05x to 0.5x



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

Longitudinal color aberration at ratio -0.12



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.