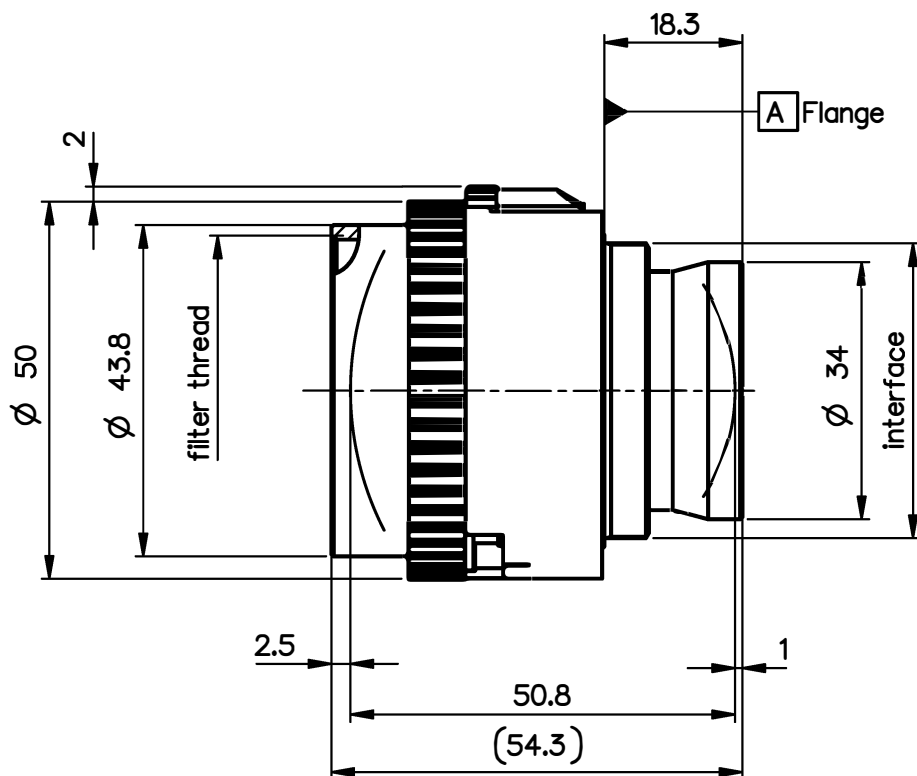


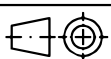
order number	lens name
0703-096-000-40	Apo-Rodagon-N 4/105



Specification		ON	7512-9131
image circle max. (mm)	100	working distance (mm)	282 - 1825
focal length f' (mm) *	105.2	interface	M39 x1/26" (Leica)
magnification β' [range]	-0.17 [-0.5 ... -0.06]	filter thread	M40.5 x0.5
spectral range λ (nm)	400 - 750	weight (g)	155
schematic diagram *) in air 		design includes CCD cover glass:	no
		SF (mm)	-74.4
		S'F' (mm) *	81.9
		HH' (mm) *	-3.3
		SH (mm)	30.8
		S'H' (mm) *	-23.3
		SEnP (mm)	30.8
		S'ExP (mm) *	-23.3
		f-stop	4
		$\varnothing$ EnP	25.3
		$\varnothing$ ExP	25.4
		HH'	5.6
		SH	13.1
		S'H'	9.6
		SEnP	6.6
		S'ExP	4.8

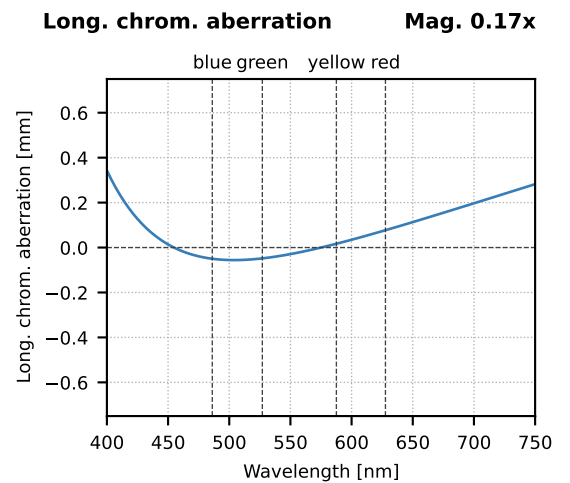
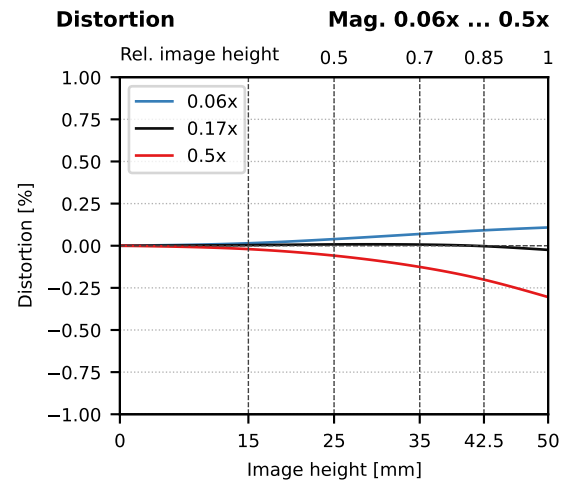
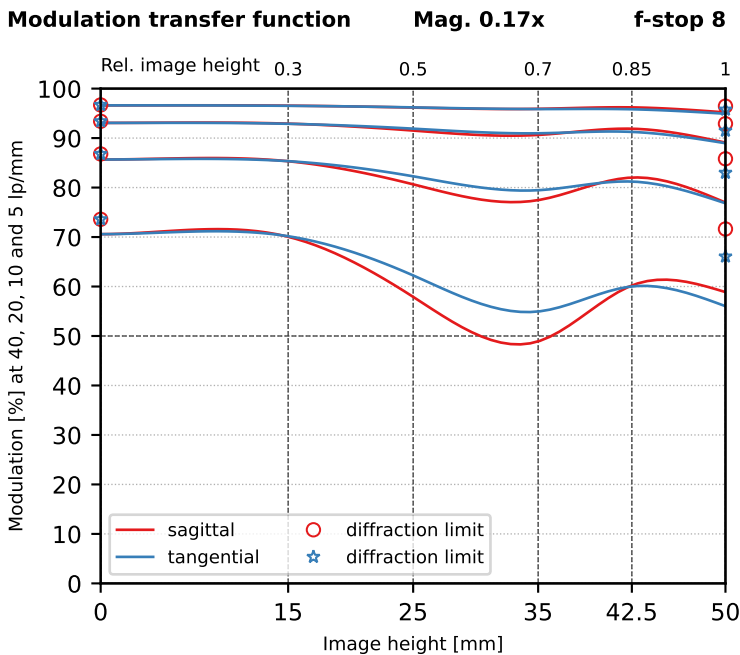
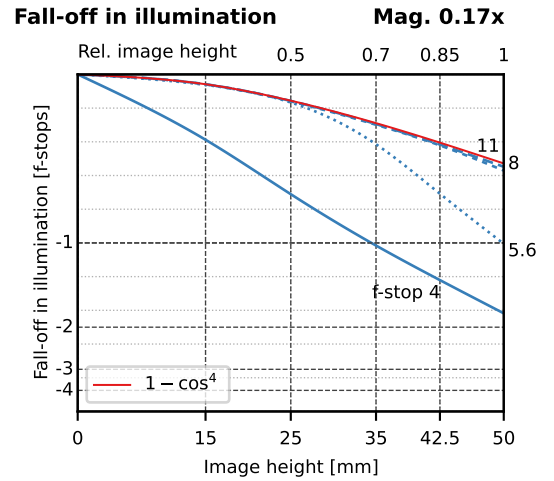
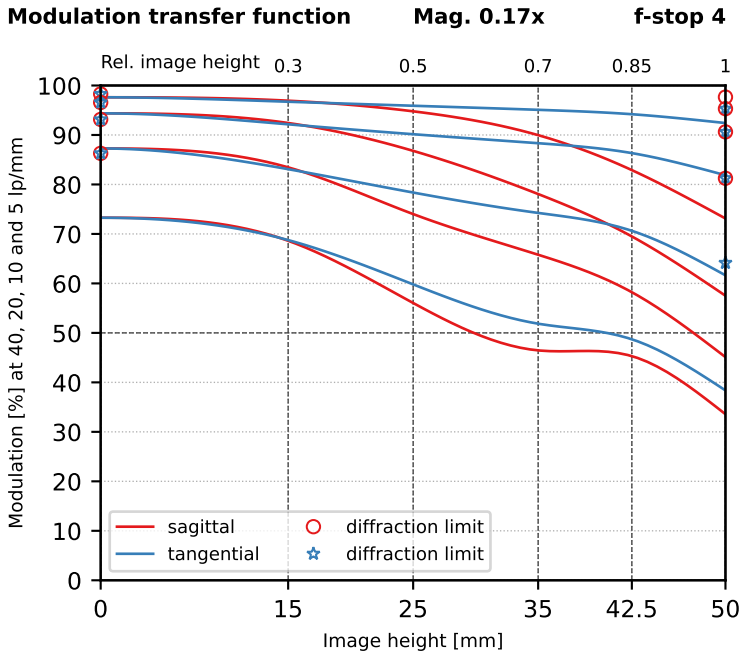
NX	EU-D		AL-T1A		US-D		US-ML		not export controlled		
							PDM Status Freigabe		-		
	REV	ECC	DATE	APPROVED	GENERAL TOLERANCE OF DIMENSION, FORM, POS. ISO 2768-mH	SURF. TREATMT	SCALE _				
	a	Neuaustrg					MATERIAL				
	b	11-027	13.05.11								
	c	11-358	13.07.11								
	d	12-0013	10.01.12								
	e	14-0184	18.08.14		BASIC TOLERANCING PRINCIPLE ISO 8015		TITLE Apo-Rodagon-N 4/105				
					FIRST	DATE	NAME				
					ISSUE	15.04.09					
					CHKD	15.04.09					
DIN A 4	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT							DRAWING NO. 0703-096-100-00-0001e		SHEET OF	
								REPLACES 0703-019-100-20			

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT



excelitas

Apo-Rodagon-N 4/105



All spatial frequencies [lp/mm], image heights [mm] and magnifications are related to sensor side.