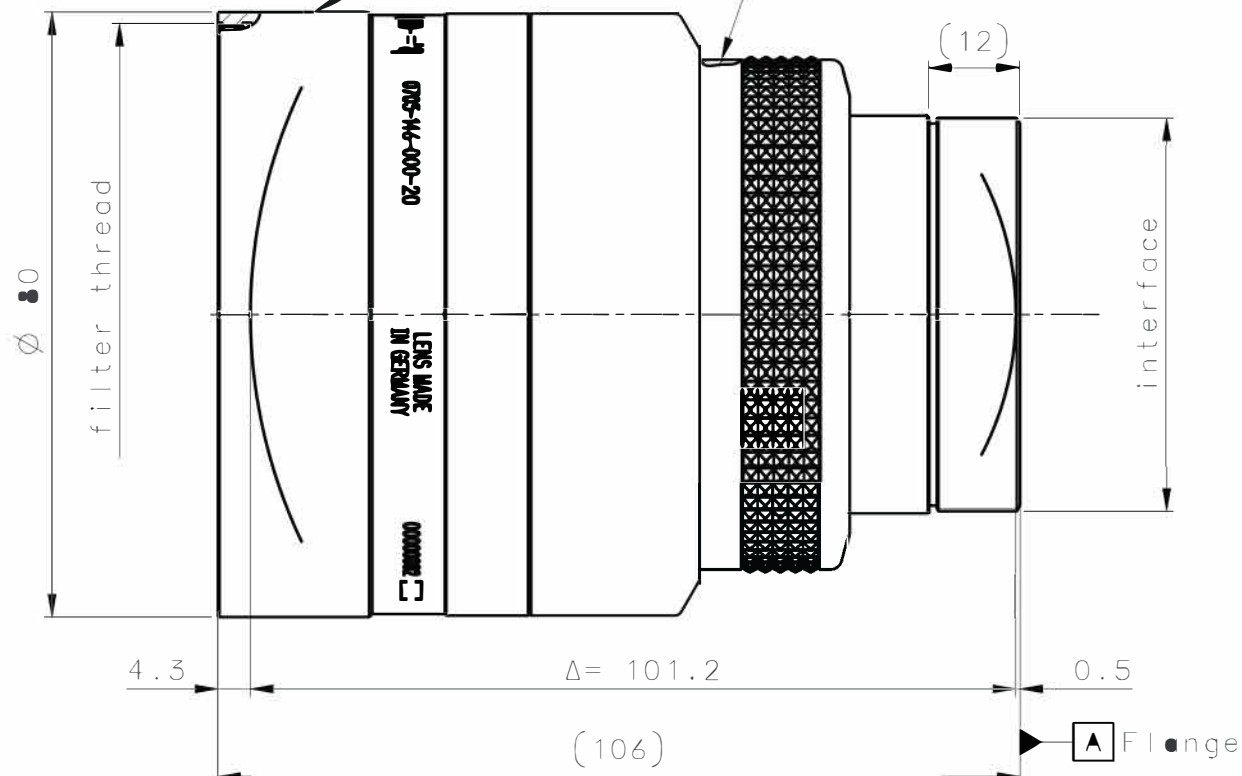


order number	lens name
0703-146-000-20	d.fine HR-M 2.8/80 0.2x

● azimuth marked
vertical to best line

locking screw
of f-stop change
DIN913 M2.5x4

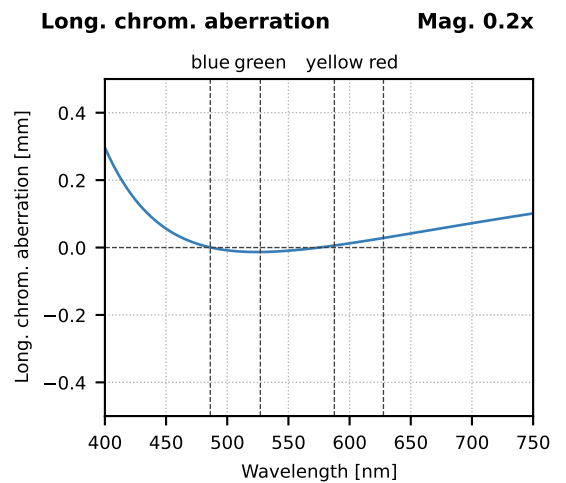
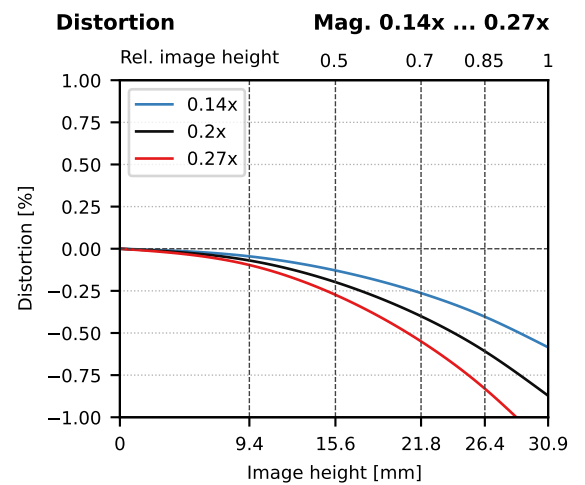
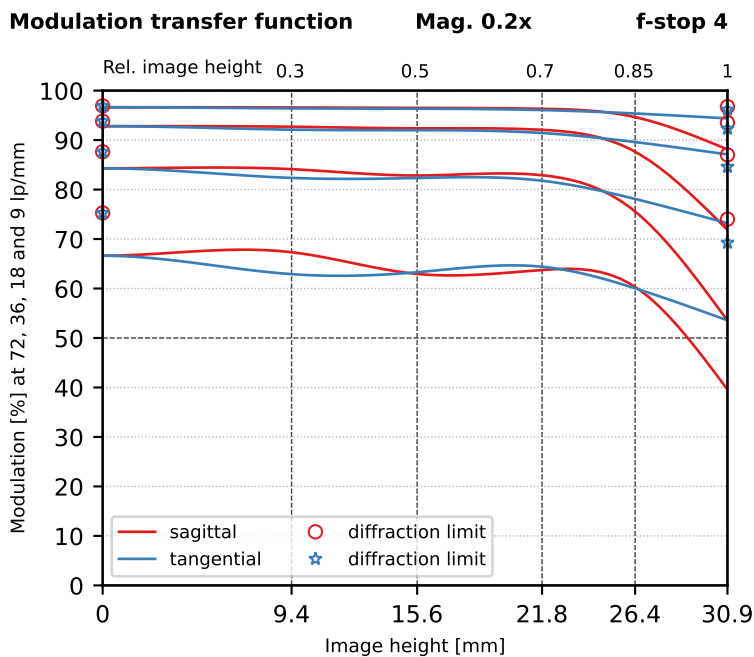
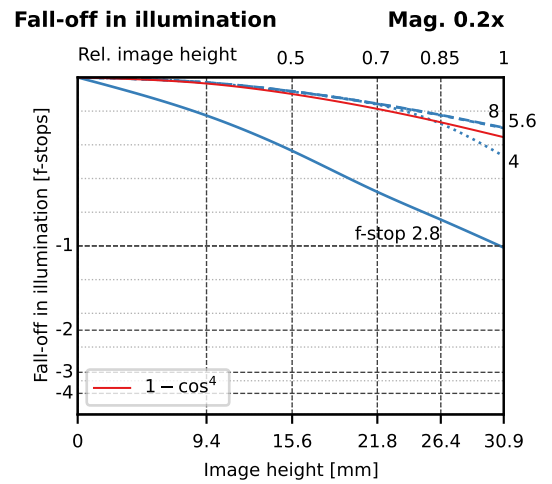
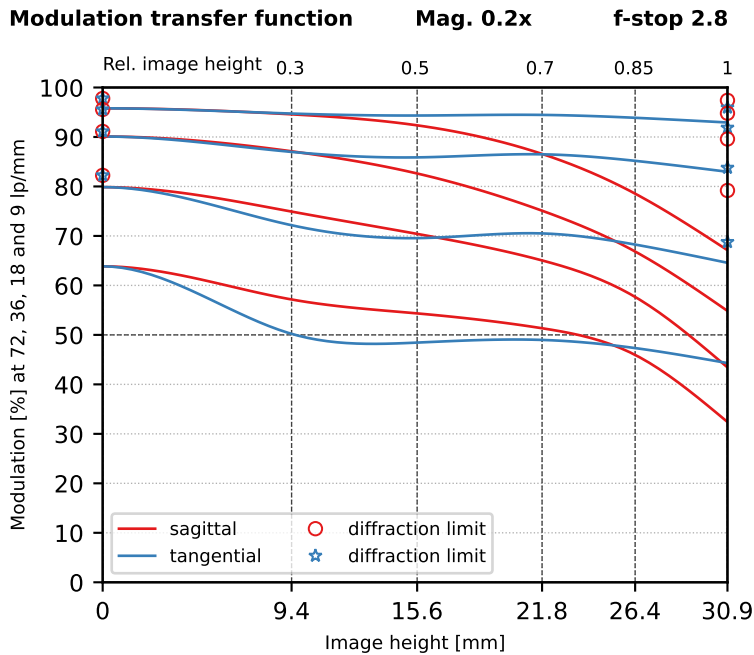


Specification		ON	
image circle max. (mm)	62.4	working distance (mm)	298 - 576
focal length f' (mm)	81.0	interface	M52 x0.5 $\longleftrightarrow$ 12mm
magnification β' [range]	-0.2 [-0.14 ... -0.27]	filter thread	M77 x0.75
spectral range λ (nm)	400 - 750	weight (g)	800
schematic diagram		design includes CCD cover glass: yes 0.76mm D263	
*) in air		SF (mm)	-2.0
		S'F' (mm) *)	51.1
		HH' (mm) *)	-7.7
		SH (mm)	79.0
		S'H' (mm) *)	-29.9
		SEnP (mm)	67.1
		S'ExP (mm) *)	-43.8
		f-stop	2.8
		$\varnothing$ EnP	27.2
		$\varnothing$ ExP	31.9

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.	SURF. TREATMT	SCALE 1:1		MATERIAL	
	a	Neuhaus	11.01.22							
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED	b	22-0589	07.07.22							
	c	22-0991	28.10.22							
					BASIC TOLERANCING PRINCIPLE ISO 8015		TITLE			
					FIRST ISSUE	DATE	NAME			
DIN A 4					CHKD	28.02.22				
	ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT						DRAWING NO.		SHEET 1	
							0703-146-100-20-0001c		OF 1	
							REPLACES			

excelitas®

d.Fine HR-M 2.8/80 0.2x



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