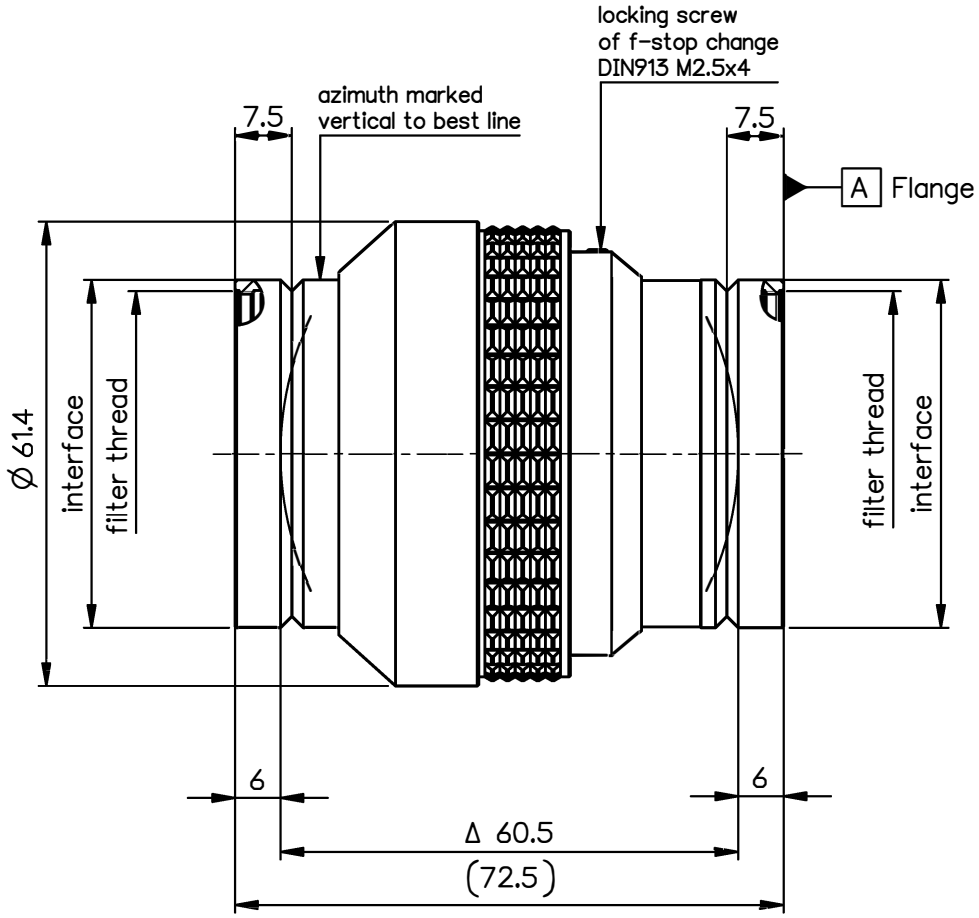
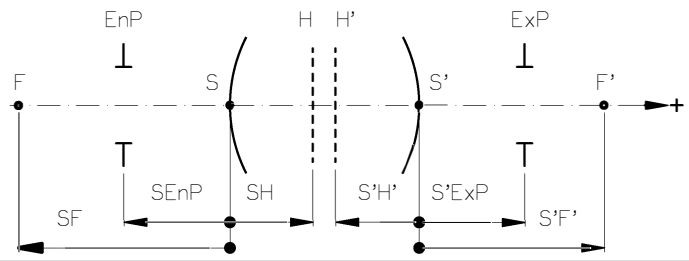
order number	lens name	spectral range λ (nm) ***
0703-083-000-20	inspec.x L 5.6/105 -0.76x	400 - 750 nm
0703-083-000-30	inspec.x L 5.6/105 -0.76x VIS-NIR	400 - 1150 nm



Specification		ON	7608-9021
image circle max. (mm)	82	working distance (mm)	183 - 241
focal length f' (mm)	105.4	interface	V-groove Ø46 h7
magnification β' [range]	-0.76 [-0.9 ... -0.6]	filter thread	M43 x0.75
spectral range λ (nm)	***	weight (g)	370
		design includes CCD cover glass:	yes 0.76mm D263

schematic diagram *) in air



		f-stop	Ø EnP	Ø ExP
SF (mm)	-71.6			
S'F' (mm) *)	71.2	5.6	18.8	18.8
HH' (mm) *)	-7.5	8	13.2	13.2
SH (mm)	33.8	11	9.6	9.6
S'H' (mm) *)	-34.2	16	6.6	6.6
SEnP (mm)	33.9	22	4.8	4.8
S'ExP (mm) *)	-34.1			

EU-D	AL-T1A	US-D	US-ML	not export controlled
			PDM-Status Freigabe	-

REV	ECC	DATE	APPR.
a	Neuausg	19.08.14	
b	15-0640	31.07.15	
c	24-0134	01.02.24	

GENERAL TOLERANCE OF DIMENSION, FORM, POS. | SURF. TREATMT | BASIC TOLERANCING PRINCIPLE

	FIRST ISSUE	CHKD
DATE	19.08.14	19.08.14
NAME		

SCALE 1:1

MATERIAL

TITLE

inspec.x L 5.6/105 -0.76x

DRAWING NO. 0703-083-100-00-0001c

SHEET 1 OF 1

REPLACES

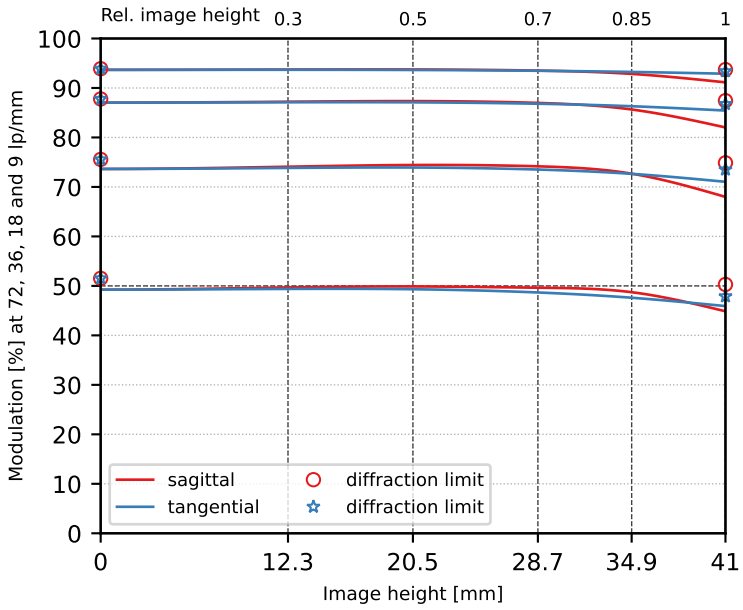
ALL DEMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

excelitas®

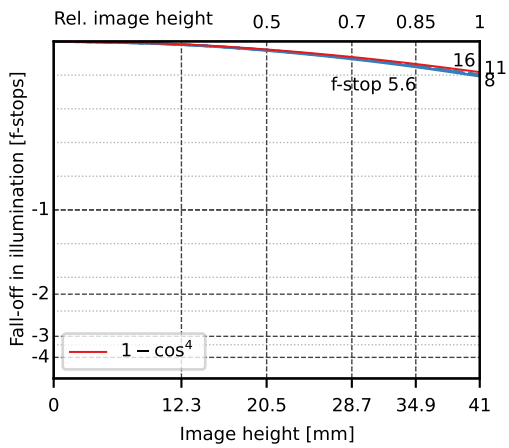
EXCELITAS TECHNOLOGIES CONFIDENTIAL AND PROPRIETARY NOT FOR EXTERNAL DISTRIBUTION
UNLESS COVERED BY A VALID NON-DISCLOSURE AGREEMENT
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

inspec.x L 5.6/105 -0.76x

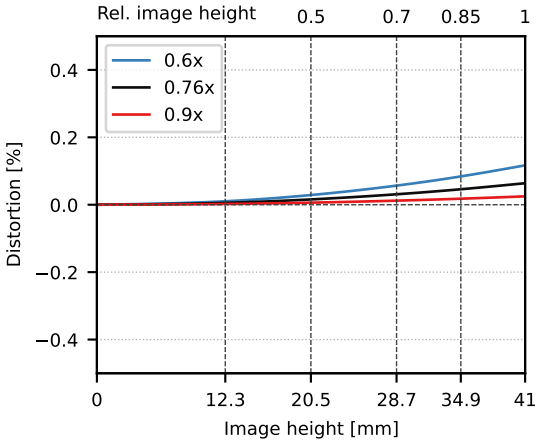
Modulation transfer function **Mag. 0.76x** **f-stop 5.6**



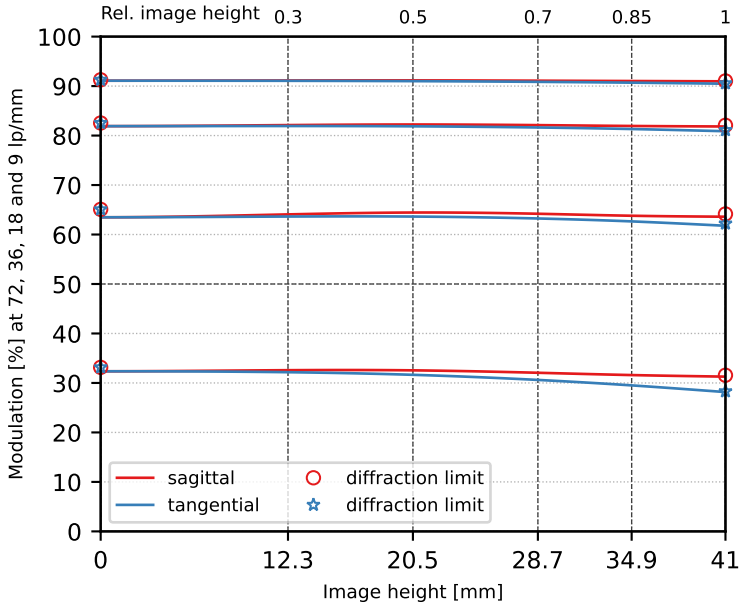
Fall-off in illumination **Mag. 0.76x**



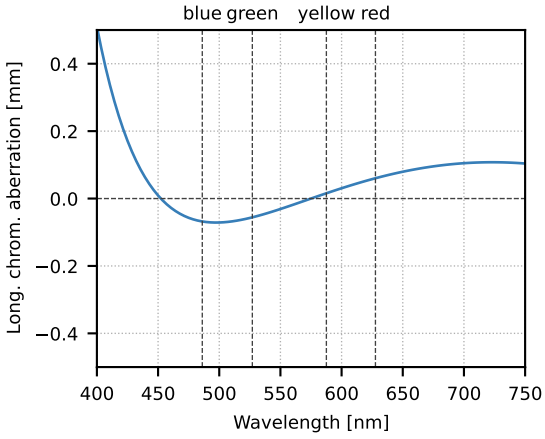
Distortion **Mag. 0.6x ... 0.9x**



Modulation transfer function **Mag. 0.76x** **f-stop 8**



Long. chrom. aberration **Mag. 0.76x**



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