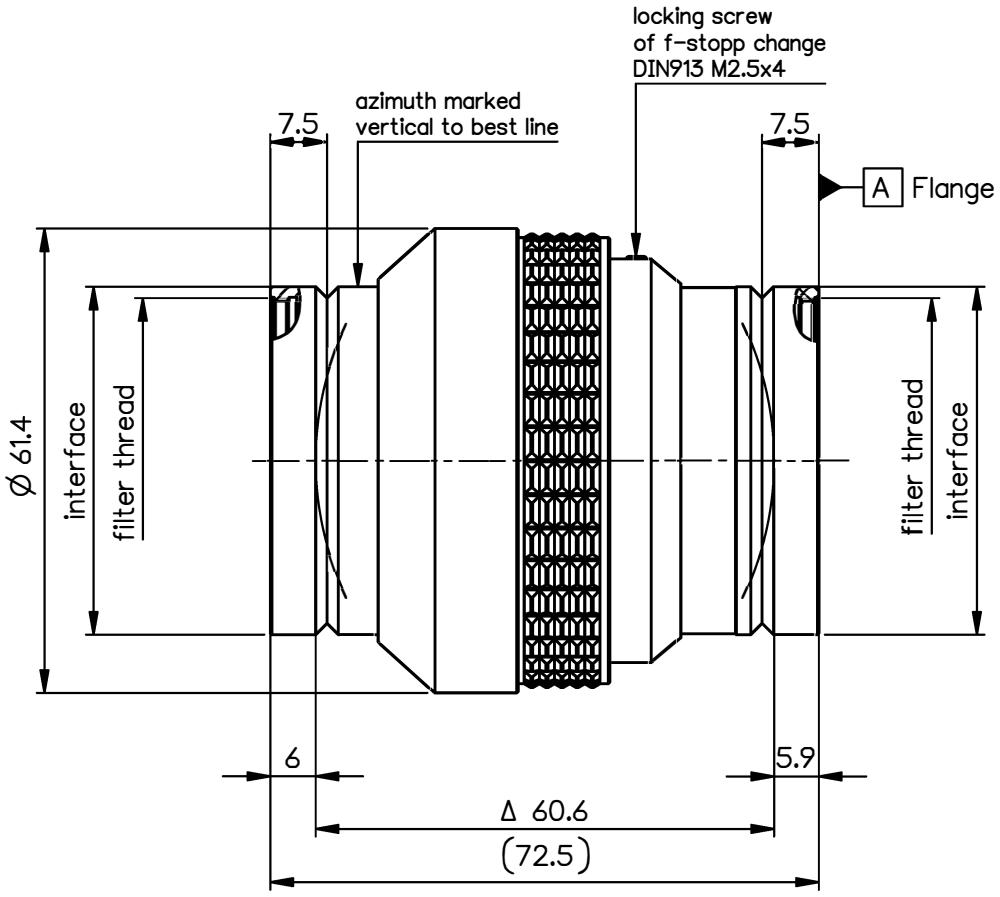
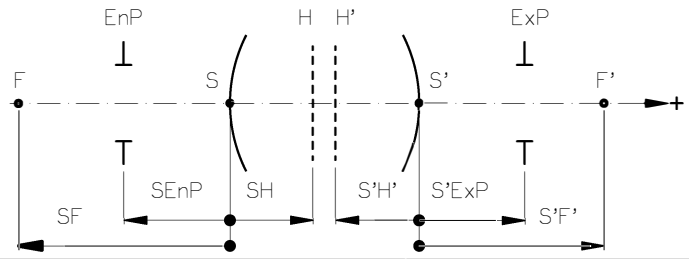
order number	lens name	spectral range λ (nm) ***
0703-085-000-20	inspec.x L 5.6/105 -0.33x	400 – 750 nm
0703-085-000-30	inspec.x L 5.6/105 -0.33x VIS-NIR	400 – 1150 nm



Specification		ON	7608-9045
image circle max. (mm)	82	working distance (mm)	300 – 488
focal length f' (mm)	105.4	interface	V-groove Ø46 h7
magnification β' [range]	-0.33 [-0.45 ... -0.25]	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)	-72.0			
S'F' (mm) *)	70.5	5.6	19.2	17.8
HH' (mm) *)	-7.6	8	13.4	12.4
SH (mm)	33.4	11	9.8	9.0
S'H' (mm) *)	-34.9	16	6.7	6.2
SEnP (mm)	41.9	22	4.9	4.5
S'ExP (mm) *)	-27.0			

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

	DATE	NAME
FIRST ISSUE	19.08.14	
CHKD	19.08.14	

ALL DEMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

SCALE 1:1

MATERIAL

TITLE

inspec.x L 5.6/105 -0.33x

DRAWING NO. 0703-085-100-00-0001c

SHEET 1 OF 1

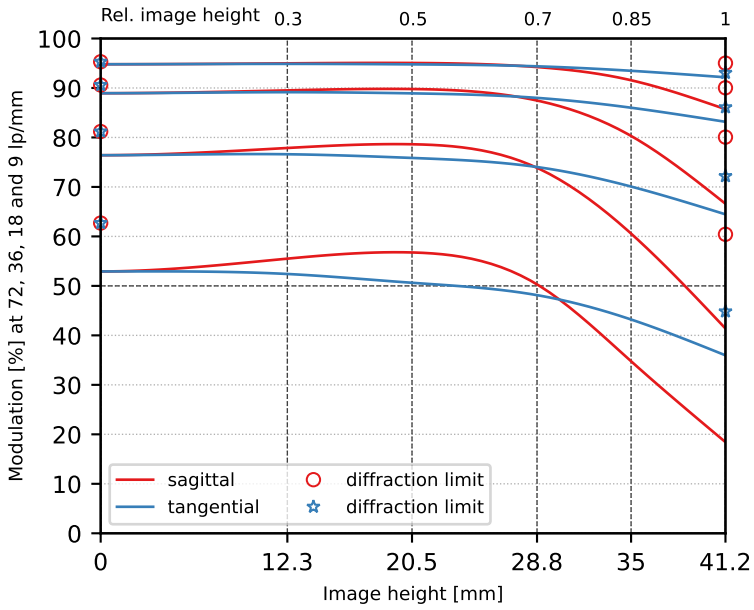
REPLACES

excelitas®

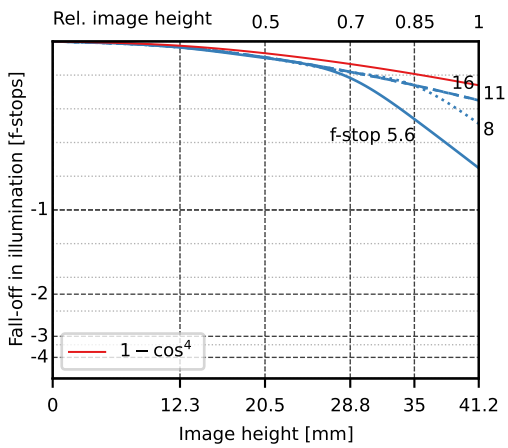
EXCELITAS TECHNOLOGIES CONFIDENTIAL AND PROPRIETARY NOT FOR EXTERNAL DISTRIBUTION
UNLESS COVERED BY A VALID NON-DISCLOSURE AGREEMENT
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

inspec.c L 5.6/105 -0.33x

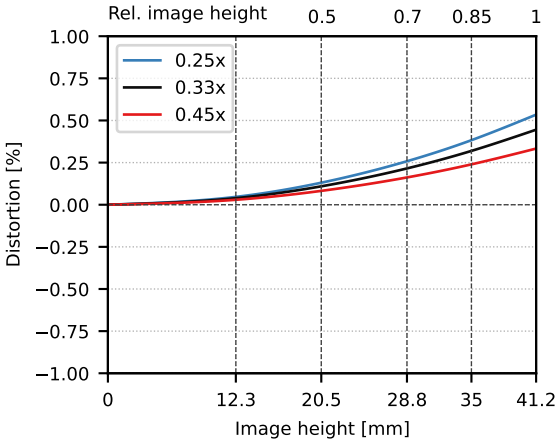
Modulation transfer function Mag. 0.33x f-stop 5.6



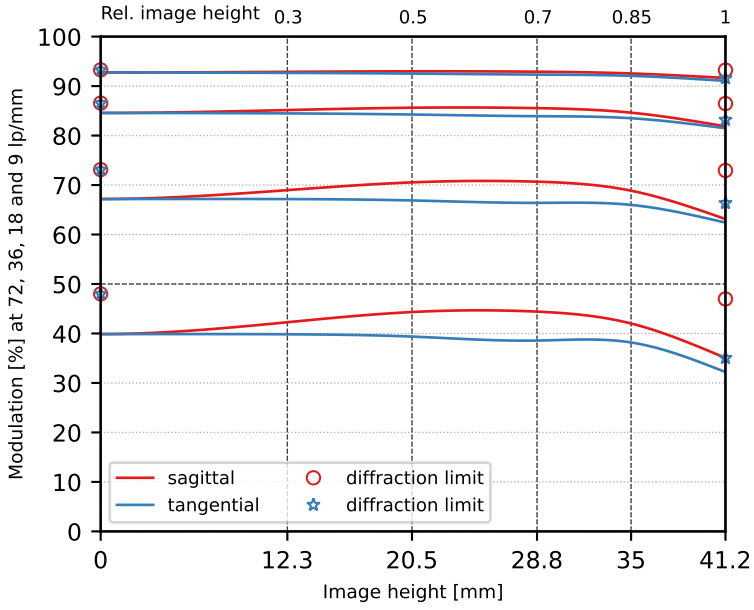
Fall-off in illumination Mag. 0.33x



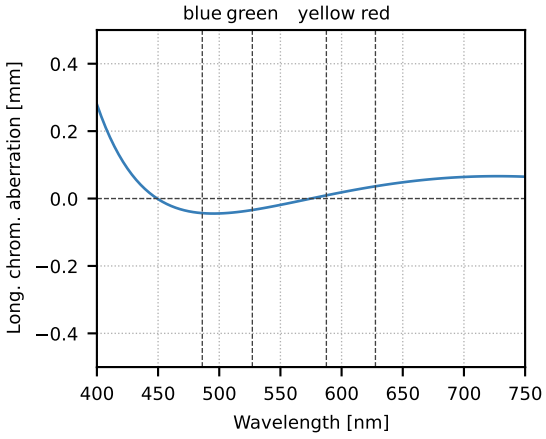
Distortion Mag. 0.25x ... 0.45x



Modulation transfer function Mag. 0.33x f-stop 8



Long. chrom. aberration Mag. 0.33x



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