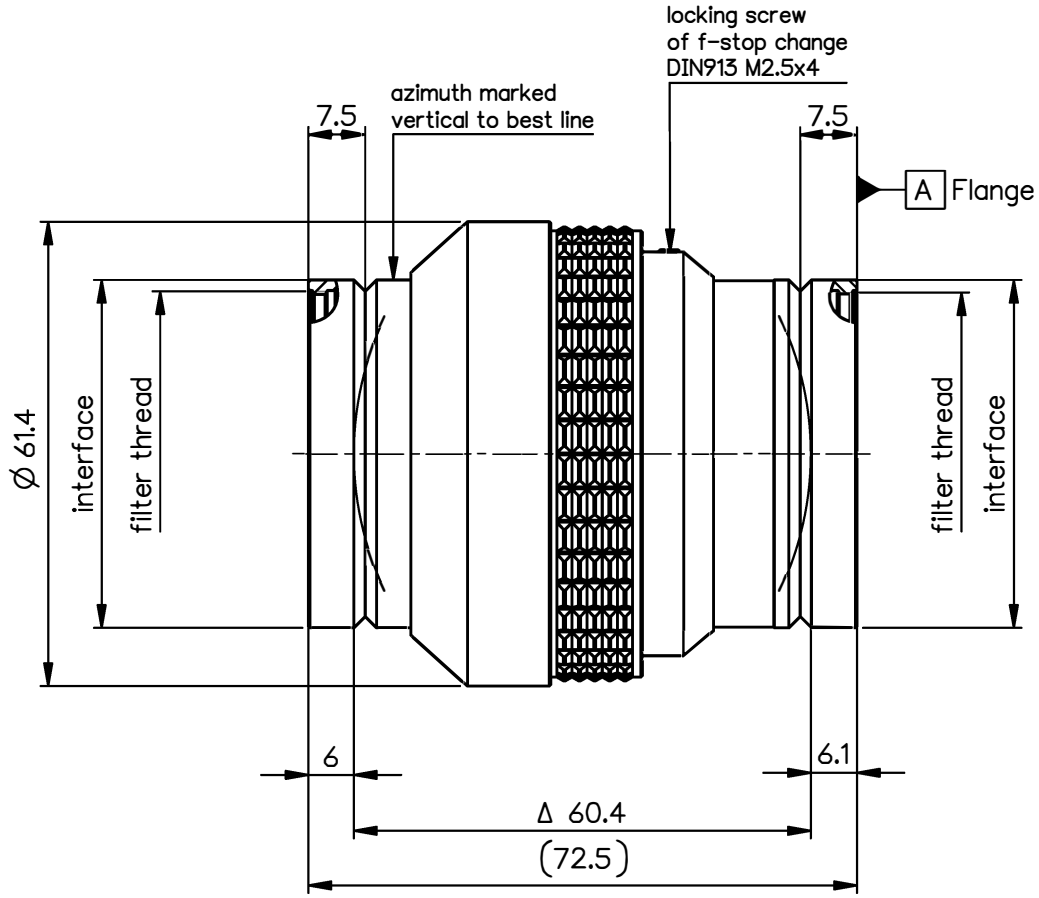
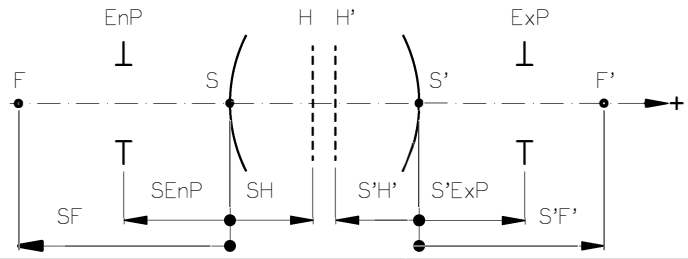
order number	lens name	spectral range λ (nm) ***
0703-084-000-20	inspec.x L 5.6/105 -0.5x	400 - 750 nm
0703-084-000-30	inspec.x L 5.6/105 -0.5x VIS-NIR	400 - 1150 nm



Specification		ON	7608-9031
image circle max. (mm)	82	working distance (mm)	228 - 330
focal length f' (mm)	105.4	interface	V-groove Ø46 h7
magnification β' [range]	-0.5 [-0.65 ... -0.4]	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) *)	71.0	5.6	18.8	18.8
HH' (mm) *)	-7.4	8	13.2	13.2
SH (mm)	33.4	11	9.6	9.6
S'H' (mm) *)	-34.4	16	6.6	6.6
SEnP (mm)	33.6	22	4.8	4.8
S'ExP (mm) *)	-34.2			

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 | SCALE 1:1 | MATERIAL

BASIC TOLERANCING PRINCIPLE

	DATE	NAME
FIRST		
ISSUE	19.08.14	
CHKD	19.08.14	

TITLE: inspec.x L 5.6/105 -0.5x

ALL DEMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

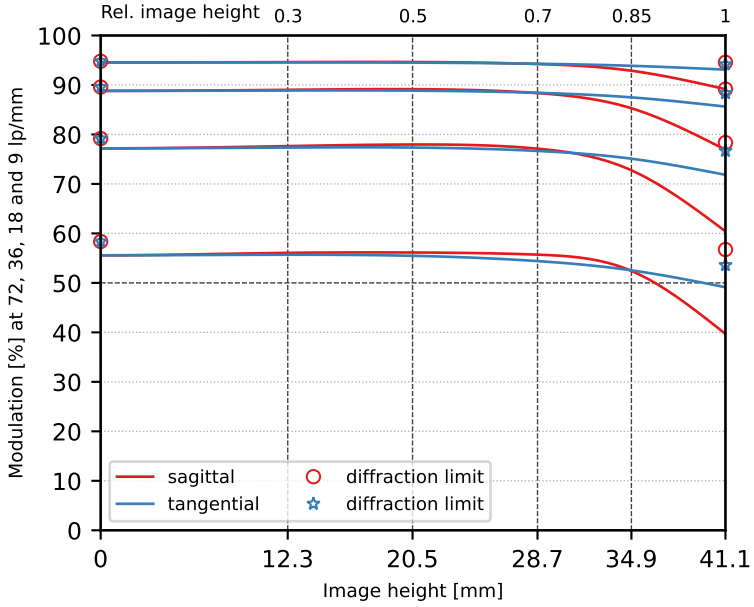
excelitas®

DRAWING NO. 0703-084-100-00-0001c | SHEET 1 OF 1 | REPLACES

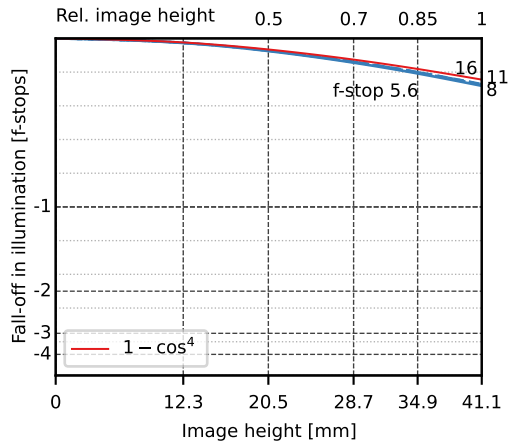
EXCELITAS TECHNOLOGIES CONFIDENTIAL AND PROPRIETARY NOT FOR EXTERNAL DISTRIBUTION
UNLESS COVERED BY A VALID NON-DISCLOSURE AGREEMENT
PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

inspec.x L 5.6/105 -0.5x

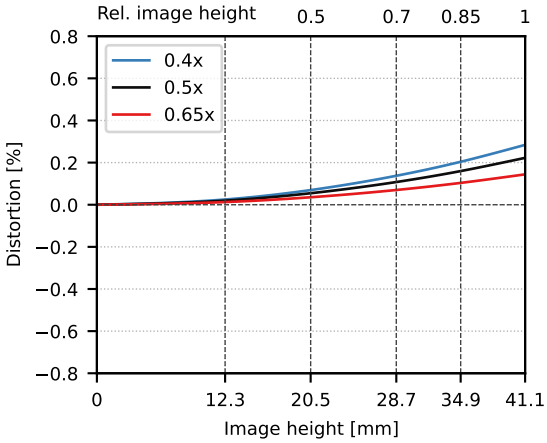
Modulation transfer function Mag. 0.5x f-stop 5.6



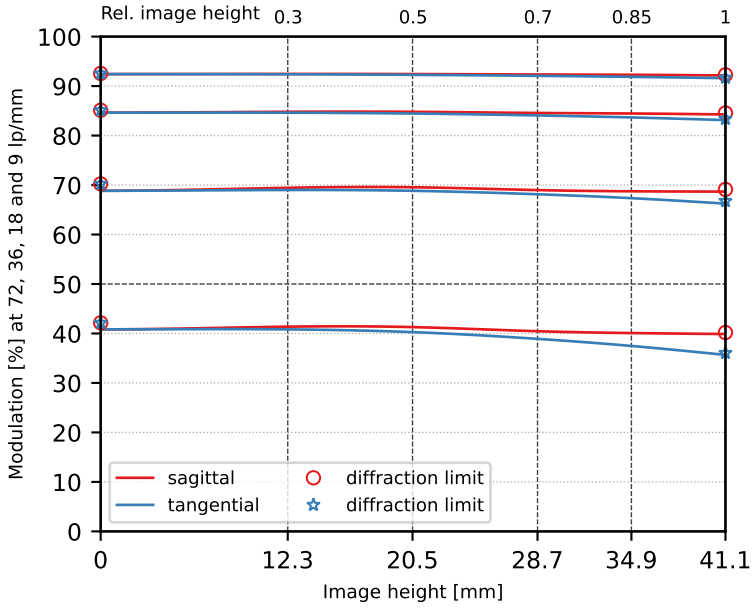
Fall-off in illumination Mag. 0.5x



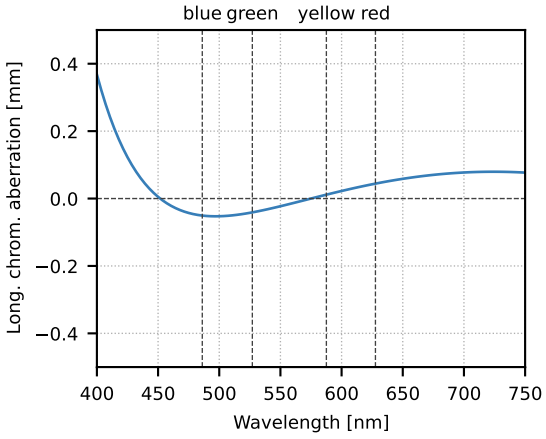
Distortion Mag. 0.4x ... 0.65x



Modulation transfer function Mag. 0.5x f-stop 8



Long. chrom. aberration Mag. 0.5x



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