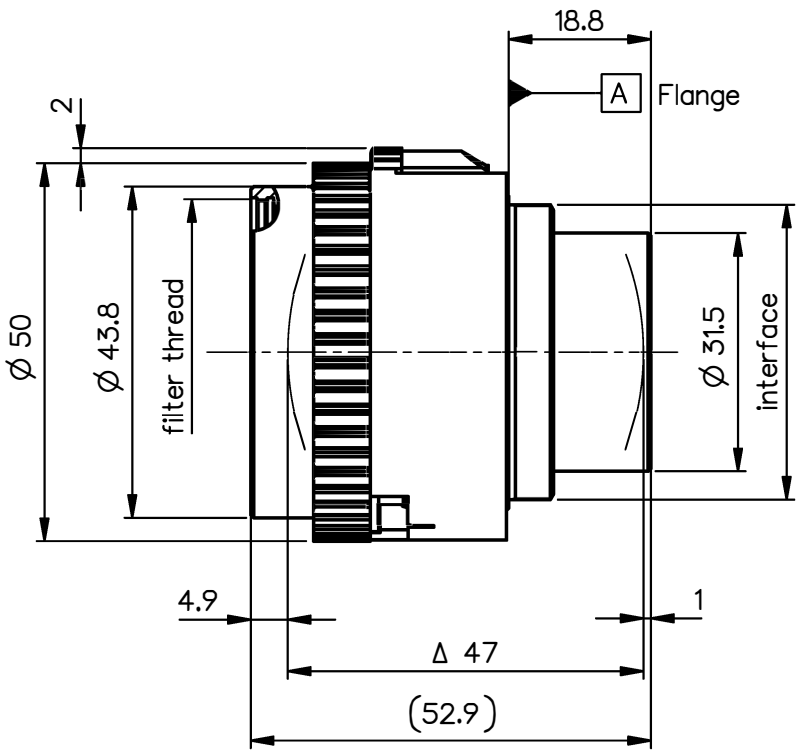
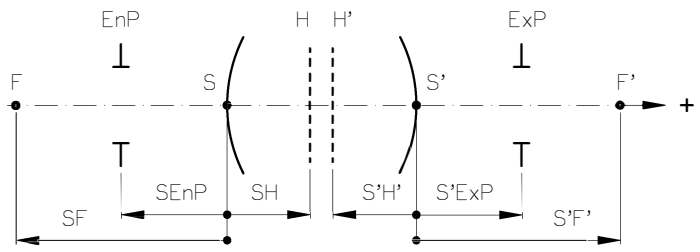
order number	lens name
0703-005-000-40	Apo-Rodagon-D 1x 4/75



Specification	
image circle max. (mm)	82
focal length f' (mm)	74.9
magnification β' [range]	−1 [−1.2 ... −0.8]
spectral range λ (nm)	400 – 750

schematic diagram *) in air



ON	8501-9002
working distance (mm)	100 – 130
interface	M39 x1/26" (Leica)
filter thread	M40.5 x0.5
weight (g)	130
design includes CCD cover glass:	no

		f-stop	Ø EnP	Ø ExP
SF (mm)	-44.2			
S'F' (mm) *)	44.2	4	18.7	18.7
HH' (mm) *)	-14.35	5.6	13.4	13.4
SH (mm)	30.7	8	9.4	9.4
S'H' (mm) *)	-30.7	11	6.8	6.8
SEnP (mm)	30.7	16	4.7	4.7
S'ExP (mm) *)	-30.7	22	3.4	3.4

NX

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

REV	ECC	DATE	APPROVED
a	Neuausg	05.08.14	
b	16-0383	16.06.16	

GENERAL TOLERANCE OF DIMENSION, FORM, POS.

SURF. TREATMT

SCALE 1:1

MATERIAL

BASIC TOLERANCING PRINCIPLE

TITLE

Apo-Rodagon-D 1x 4/75

FIRST ISSUE	DATE	NAME
	05.08.14	
CHKD	05.08.14	

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

DIN A 4

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

excelitas®

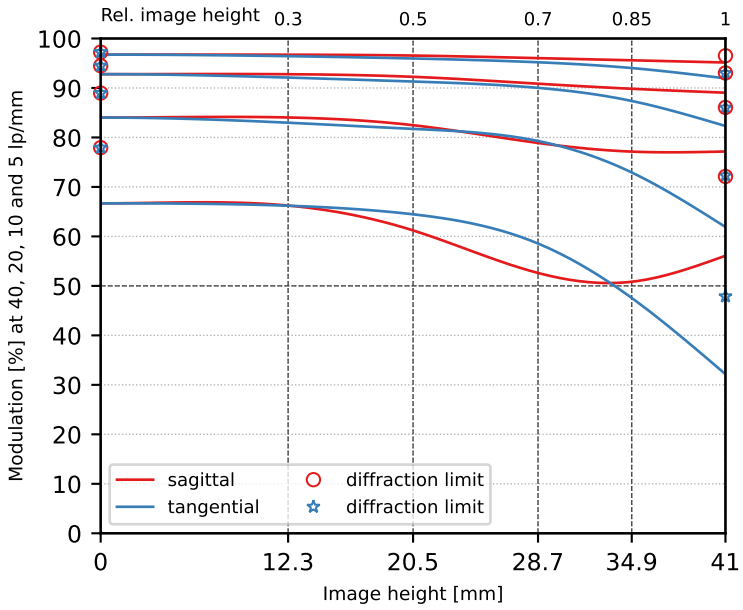
DRAWING NO. 0703-005-100-00-0001b

SHEET 1 OF 1

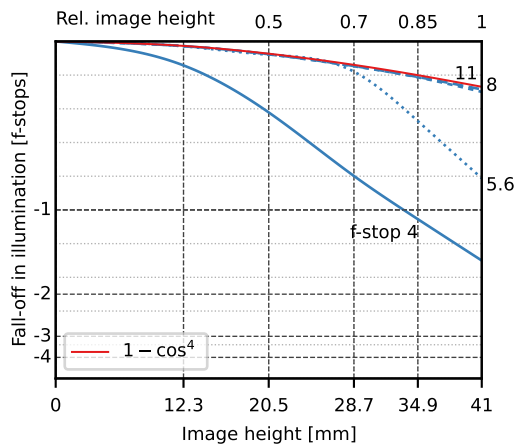
REPLACES

Apo-Rodagon-D 4.0/75 1x

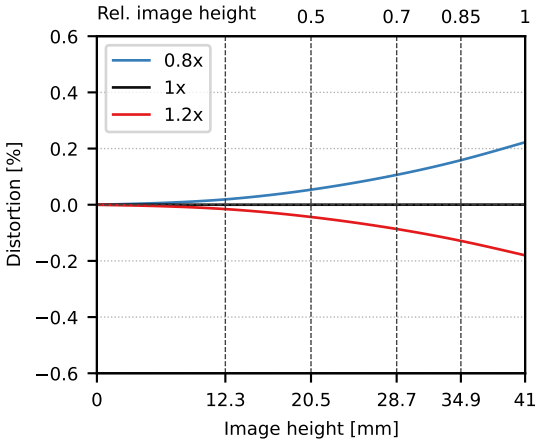
Modulation transfer function **Mag. 1x** **f-stop 4**



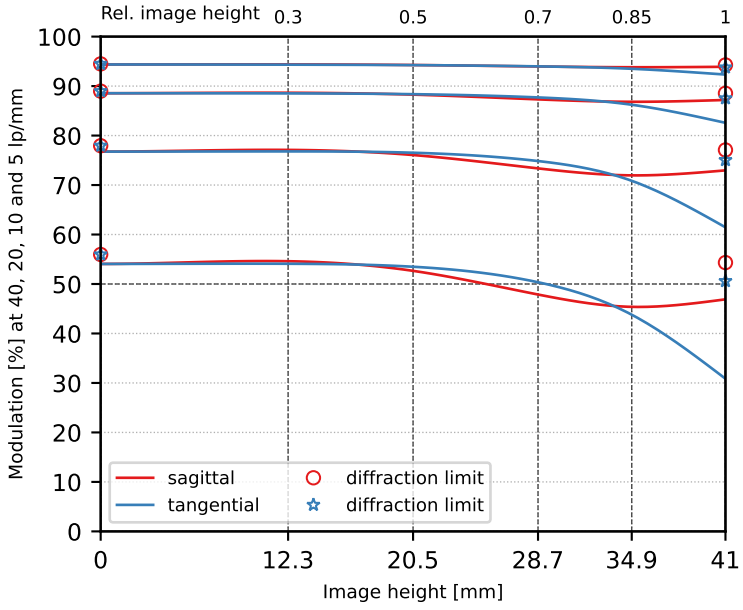
Fall-off in illumination **Mag. 1x**



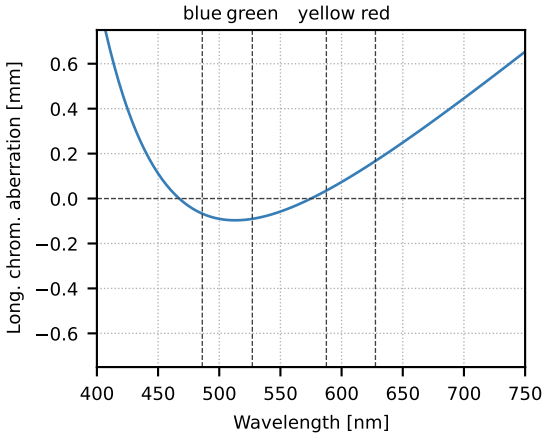
Distortion **Mag. 0.8x ... 1.2x**



Modulation transfer function **Mag. 1x** **f-stop 8**



Long. chrom. aberration **Mag. 1x**



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