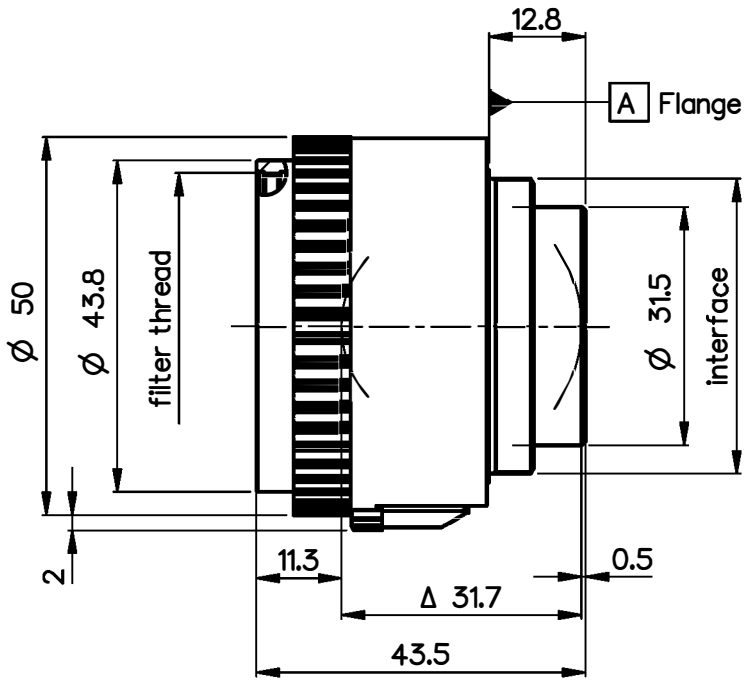
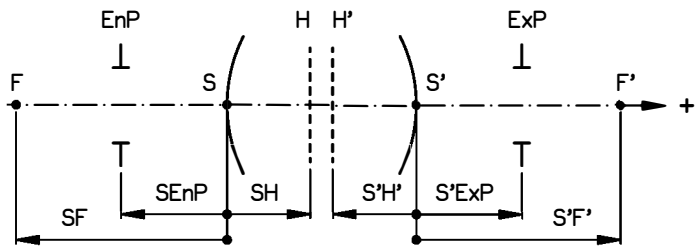
order number	lens name
0701-345-000-40	Rodagon 2.8/50



Specification	
image circle max. (mm)	44
focal length f' (mm) *)	50.2
magnification β' [range]	−0.1 [−0.5 ... −0.07]
spectral range λ (nm)	400 − 750

schematic diagram *) in air



ON	7509-9001
working distance (mm)	123 − 782
interface	M39 x1/26" (Leica)
filter thread	M40.5 x0.5
weight (g)	100
design includes CCD cover glass:	no

		f-stop	Ø EnP	Ø ExP
SF (mm)	-34.5			
S'F' (mm) *)	31.4	2.8	17.4	18.1
HH' (mm) *)	-2.8	4	12.5	13.0
SH (mm)	15.7	5.6	8.9	9.3
S'H' (mm) *)	-18.8	8	6.3	6.5
SEnP (mm)	13.8	11	4.5	4.7
S'ExP (mm) *)	-20.8	16	3.1	3.2

NX

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

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

REV	ECC	DATE	APPROVED
b	08-281	26.05.08	
c	09-114	16.03.09	
d	14-0184	13.03.14	
e	14-0184	12.08.14	

GENERAL TOLERANCE OF DIMENSION, FORM, POS.: ISO 2768-mH

SURF. TREATMT

BASIC TOLERANCING PRINCIPLE: ISO 8015

FIRST ISSUE	DATE	NAME
	26.05.08	
CHKD	26.05.08	

SCALE 1:1

MATERIAL

TITLE: Rodagon 2.8/50

DRAWING NO. 0701-345-100-40-0001e

SHEET 1 OF 1

REPLACES

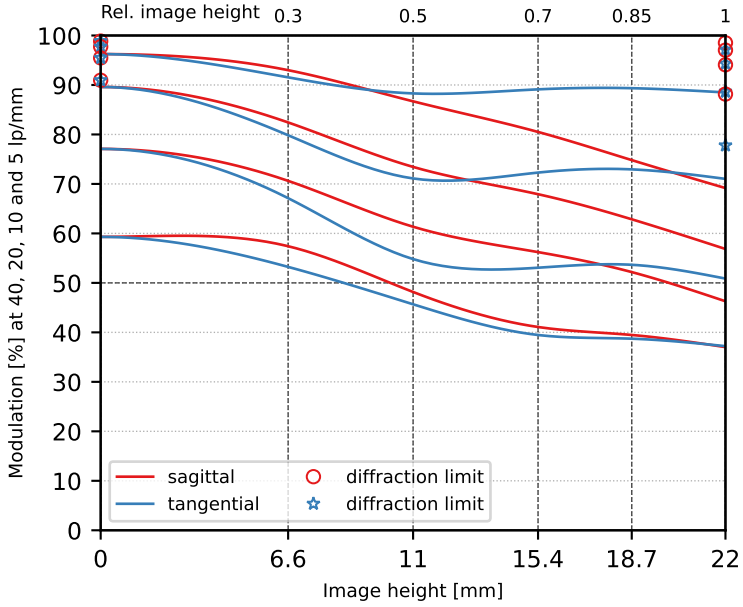
DIN A 4

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

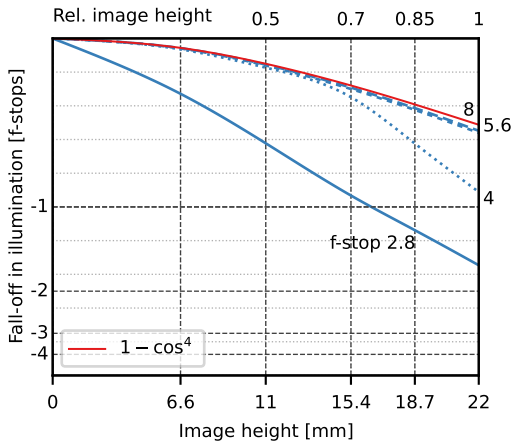
excelitas®

Rodagon 2.8/50

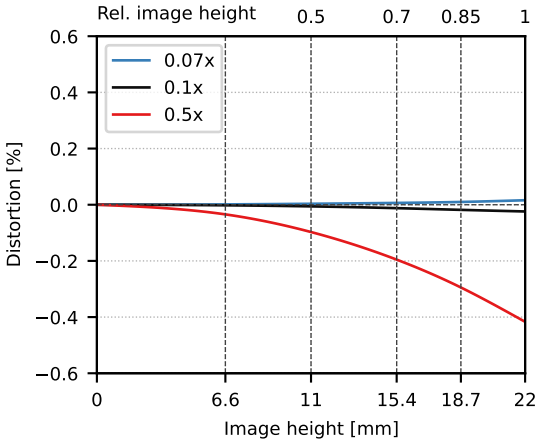
Modulation transfer function **Mag. 0.1x** **f-stop 2.8**



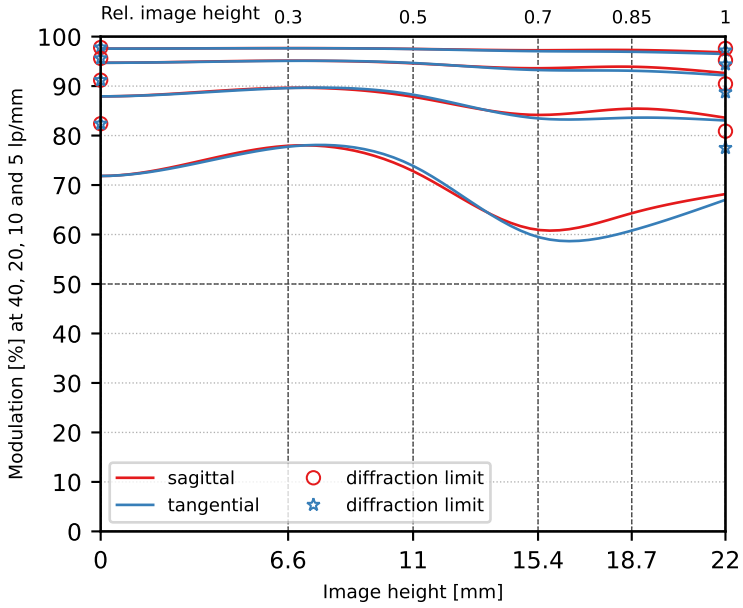
Fall-off in illumination **Mag. 0.1x**



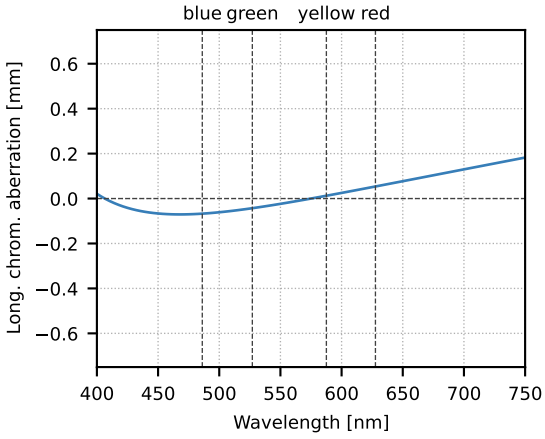
Distortion **Mag. 0.07x ... 0.5x**



Modulation transfer function **Mag. 0.1x** **f-stop 5.6**



Long. chrom. aberration **Mag. 0.1x**



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