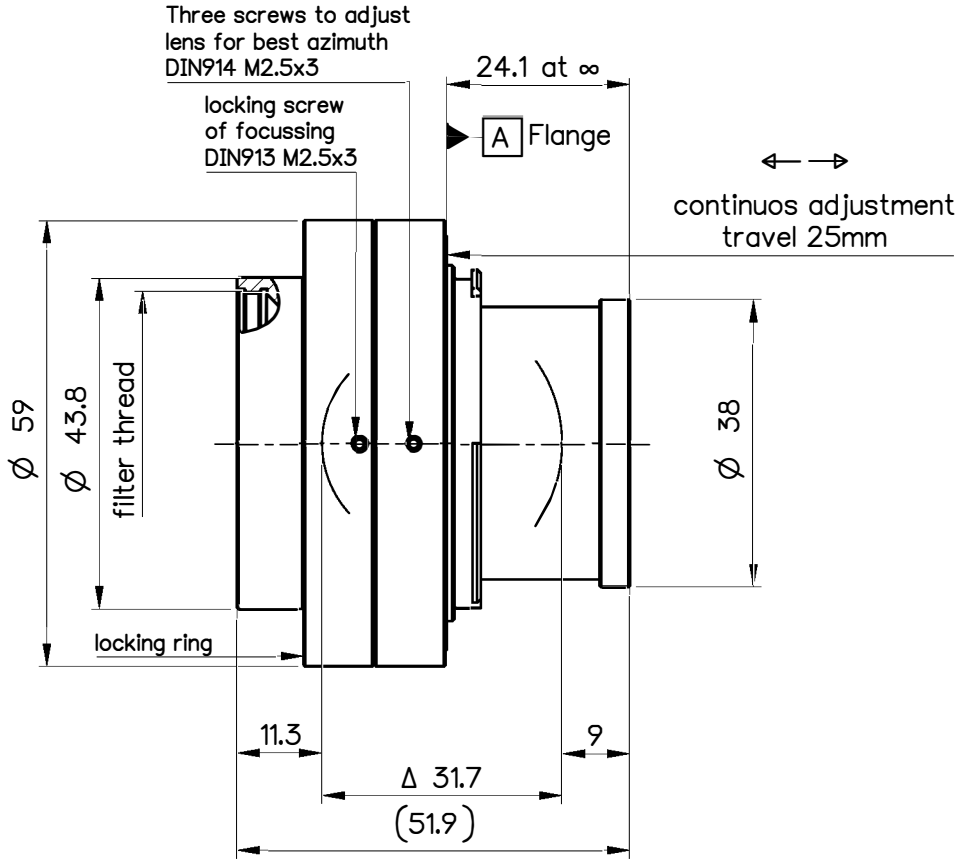
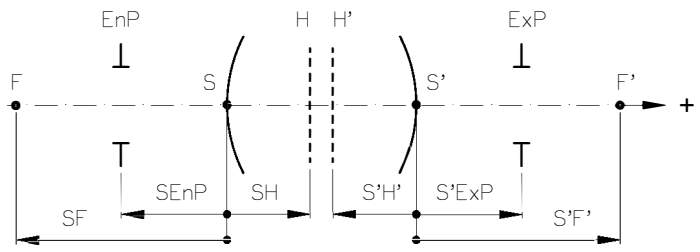
order number	lens name	f-stop
0703-089-000-24	Rodagon-F 2.8/50	2.8
0703-089-000-25	Rodagon-F 4/50	4
0703-089-000-26	Rodagon-F 5.6/50	5.6



Specification	
image circle max. (mm)	46
focal length f' (mm) *)	50.2
magnification β' [range]	−0.1 [−0.5 ... 0]
spectral range λ (nm)	400 − 750

schematic diagram *) in air



ON	7509-9001
working distance (mm)	124 − ∞
interface	F-mount
filter thread	M40.5 x0.5
weight (g)	165
design includes CCD cover glass:	no

SF (mm)	−34.5
S'F' (mm) *)	31.43
HH' (mm) *)	−2.8
SH (mm)	15.7
S'H' (mm) *)	−18.8
SEnP (mm)	13.8
S'ExP (mm) *)	−20.8

f-stop	Ø EnP	Ø ExP
2.8	17.4	18.1
4	12.5	13.0
5.6	8.9	9.3

NX

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

REV	ECC	DATE	APPROVED
a	Neuausg		
b	14-0184	13.11.14	

GENERAL TOLERANCE OF DIMENSION, FORM, POS.

SURF. TREATMT

SCALE −

MATERIAL

BASIC TOLERANCING PRINCIPLE

TITLE

Rodagon-F 50

	DATE	NAME
FIRST ISSUE	05.08.08	
CHKD	05.08.08	

PROTECTIVE NOTE "DIN ISO 16016" TO BE OBSERVED

DIN A 4

ALL DIMENSIONS ARE IN MM AND INCLUDE SURFACE TREATMENT

excelitas®

DRAWING NO.

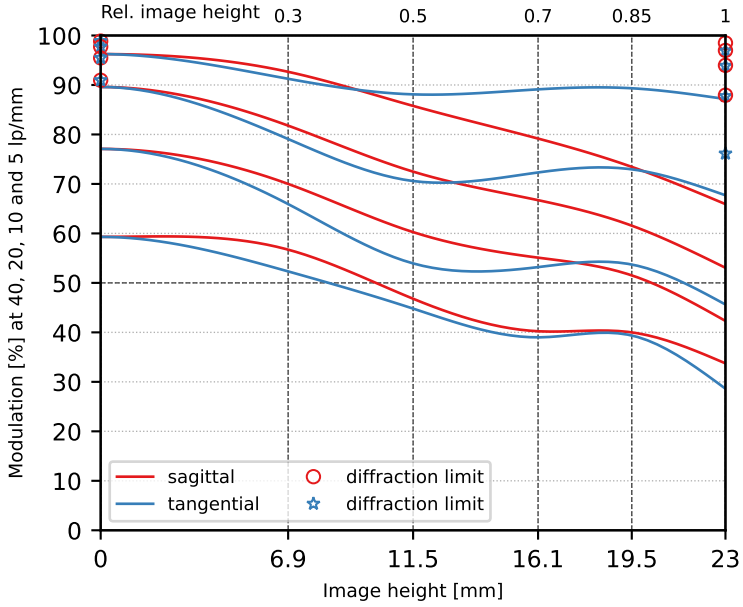
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SHEET 1 OF 1

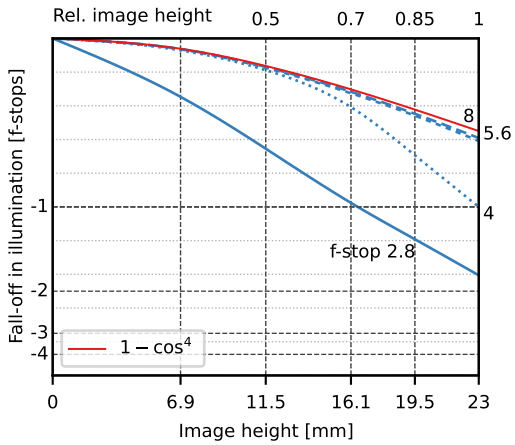
REPLACES

Rodagon-F 2.8/50

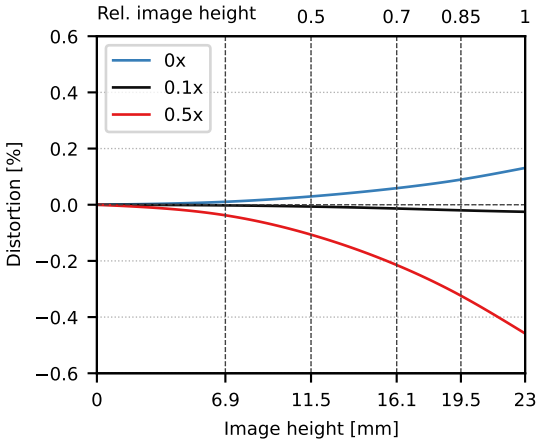
Modulation transfer function **Mag. 0.1x** **f-stop 2.8**



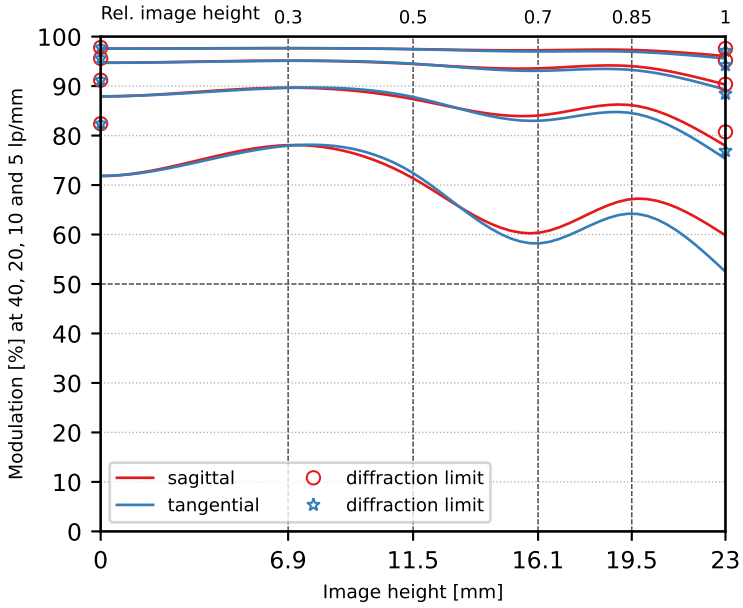
Fall-off in illumination **Mag. 0.1x**



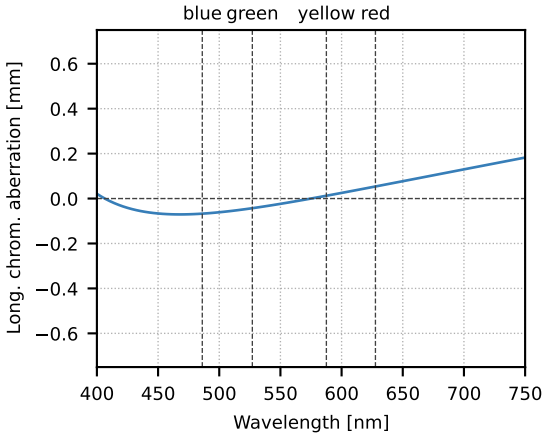
Distortion **Mag. 0x ... 0.5x**



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.