

DATA SHEET

S5LPJ4429

IMAGING LENS 4.0/28mm RGB-NIR

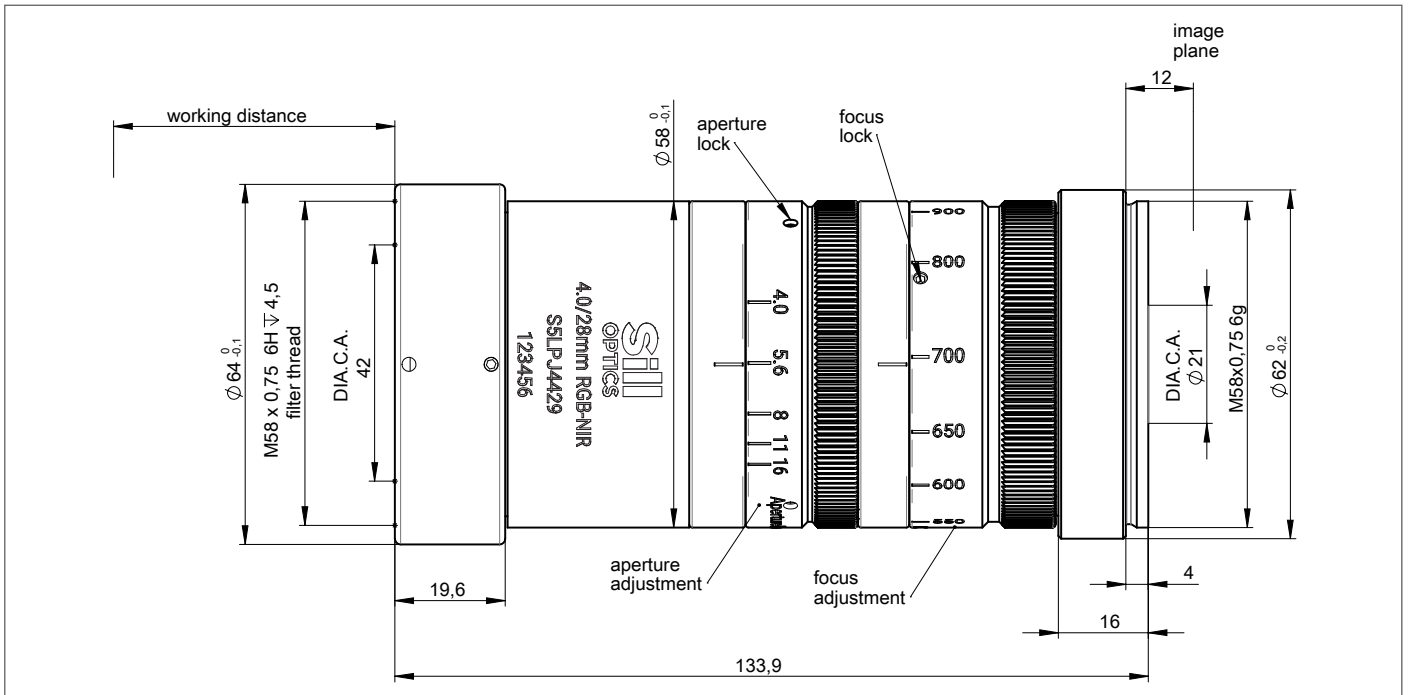
400-950nm WITH M58 X 0.75

Focal length	28.0 mm
Max. F#	4.0
Recommended F#	5.6
Waveband	400-950 nm
Working distance	450-1200 mm
max. sensor diagonal	41.0 mm
Magnification	0.060 (@WD450 mm) – 0.023 (@WD1200 mm)
Length	133.9 mm (@infinity)
max. Diameter	Ø 64 mm
Filter thread	M58x0.75
Mounting Thread	M58x0.75
Back flange distance	12.0 mm
Max. chief ray angle	19.9°
Max. distortion	4.1 %
Transmission @400-950 nm	>85 %
Weight	0.8 kg



ILLUSTRATION ONLY - THE COLOR OF THE LENSES CAN DIFFER

OUTLINE DRAWING



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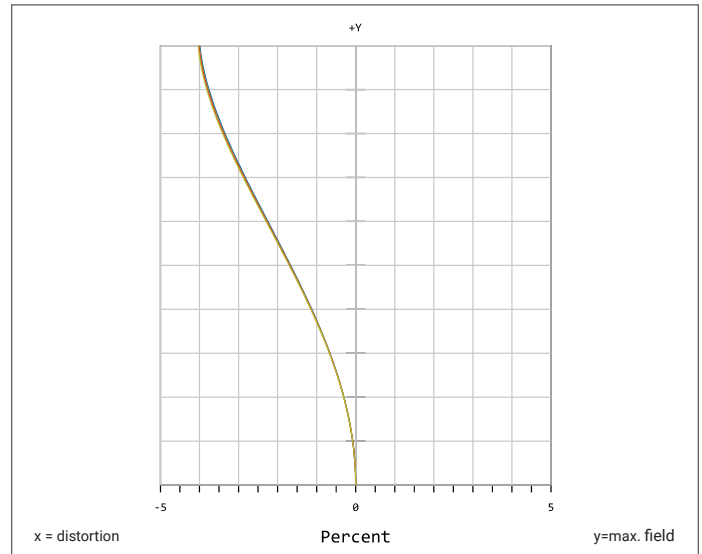
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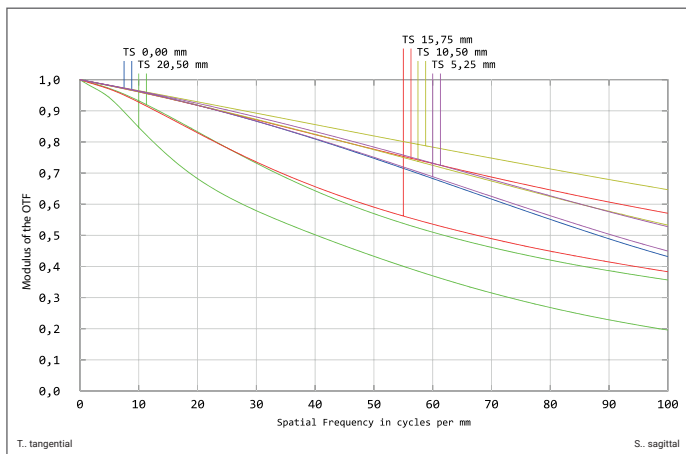
SPECIFICATIONS

Working distance [mm]	magnification
450	0.060
500	0.054
550	0.049
600	0.045
650	0.042
700	0.039
800	0.034
900	0.031
1000	0.027
1100	0.025
1200	0.023

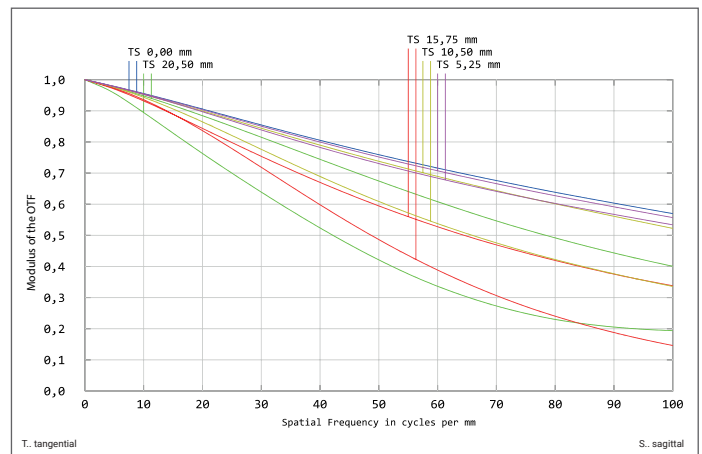
DISTORTION FOR 400-950 nm



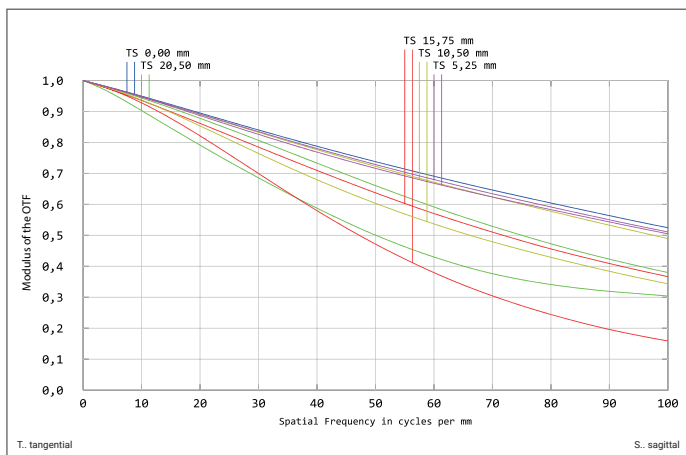
MTF FOR VARIOUS OBJECT HEIGHTS AT 460 nm



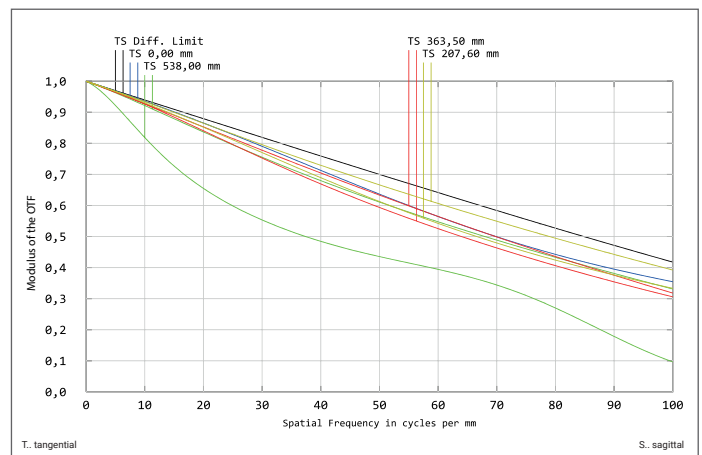
MTF FOR VARIOUS OBJECT HEIGHTS AT 540 nm



MTF FOR VARIOUS OBJECT HEIGHTS AT 630 nm



MTF FOR VARIOUS OBJECT HEIGHTS AT 850 nm



GRAPHS AND DATA GIVEN BY DESIGN

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