

DATA SHEET

S5LPJ4465-M42

IMAGING LENS 4.0/65mm RGB-NIR

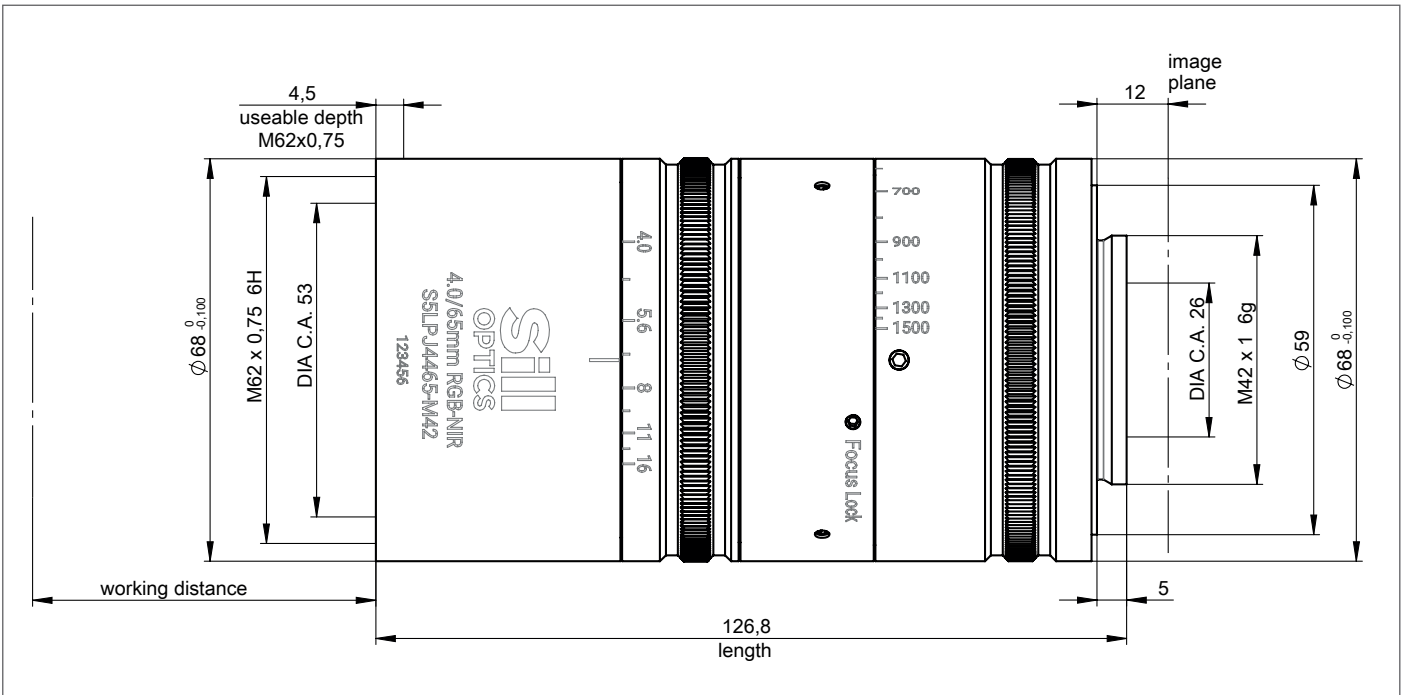
400-950nm WITH M42 X 1

Focal length	65.0 mm
Max. F#	4.0
Recommended F#	5.6
Waveband	400-950 nm
Working distance	500-1500 mm
max. sensor diagonal	41.0 mm
Magnification	0.131 (@WD500 mm) – 0.044 (@WD1500 mm)
Length	126.8 mm (@infinity)
max. Diameter	Ø 68 mm
Filter thread	M62x0.75
Mounting Thread	M42x1
Back flange distance	12.0 mm
Max. chief ray angle	16.2°
Max. distortion	0.15 %
Transmission @400-950 nm	>85 %
Weight	0.8 kg



ILLUSTRATION ONLY - THE COLOR OF THE LENSES CAN DIFFER

OUTLINE DRAWING



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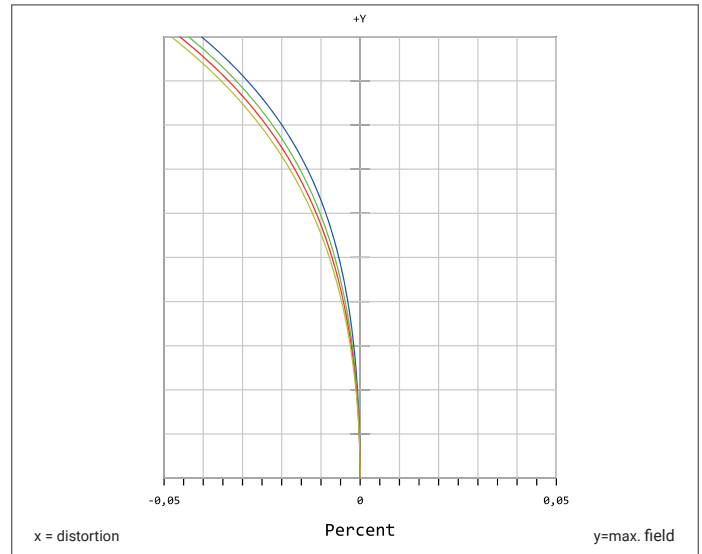
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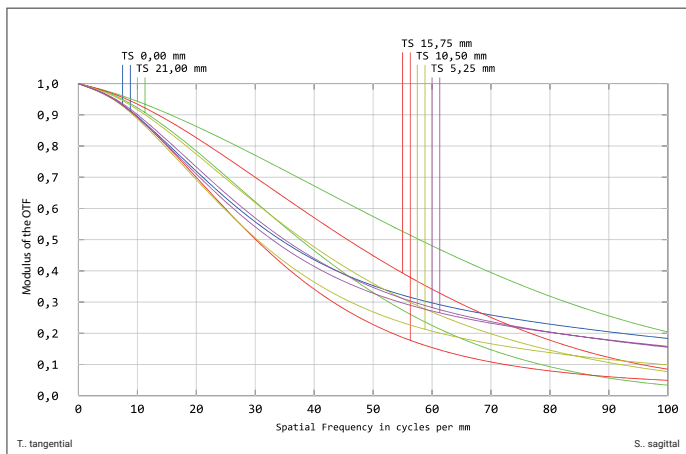
SPECIFICATIONS

Working distance [mm]	magnification	length [mm]
500	0.131	133.4
600	0.109	132.0
700	0.093	131.0
800	0.082	130.2
900	0.072	129.6
1000	0.065	129.2
1100	0.059	128.8
1200	0.054	128.5
1300	0.050	128.2
1400	0.047	128.0
1500	0.044	127.8

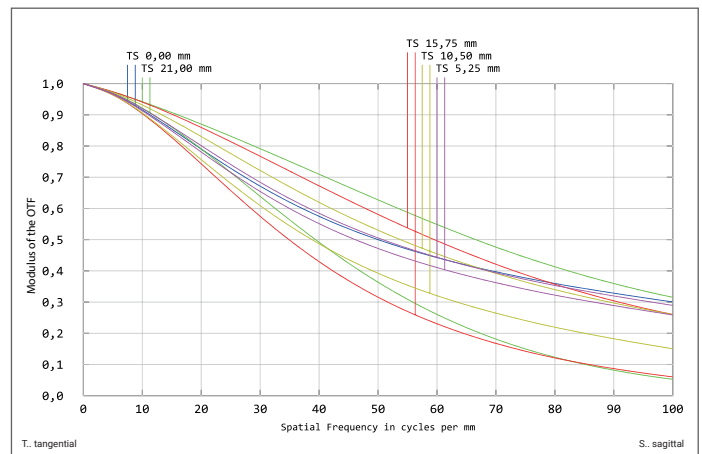
DISTORTION FOR 400-950 nm



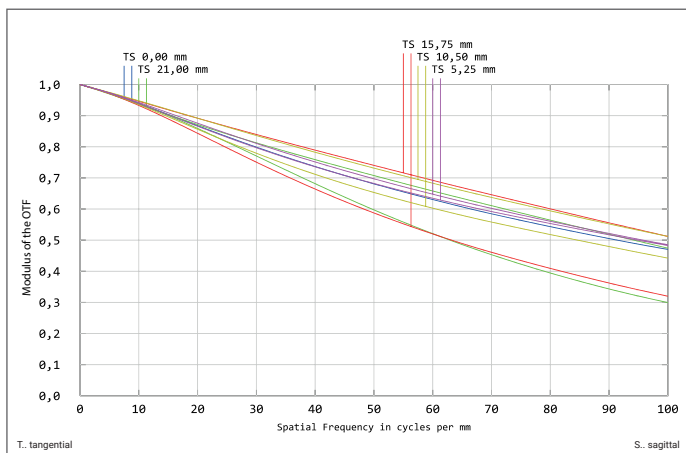
MTF FOR VARIOUS OBJECT HEIGHTS AT 460 nm



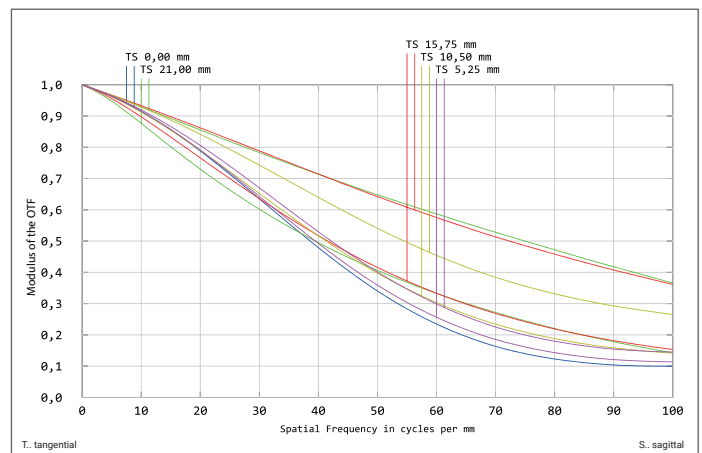
MTF FOR VARIOUS OBJECT HEIGHTS AT 540 nm



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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