

# DATA SHEET

## S5LPJ4465

### IMAGING LENS 4.0/65mm RGB-NIR

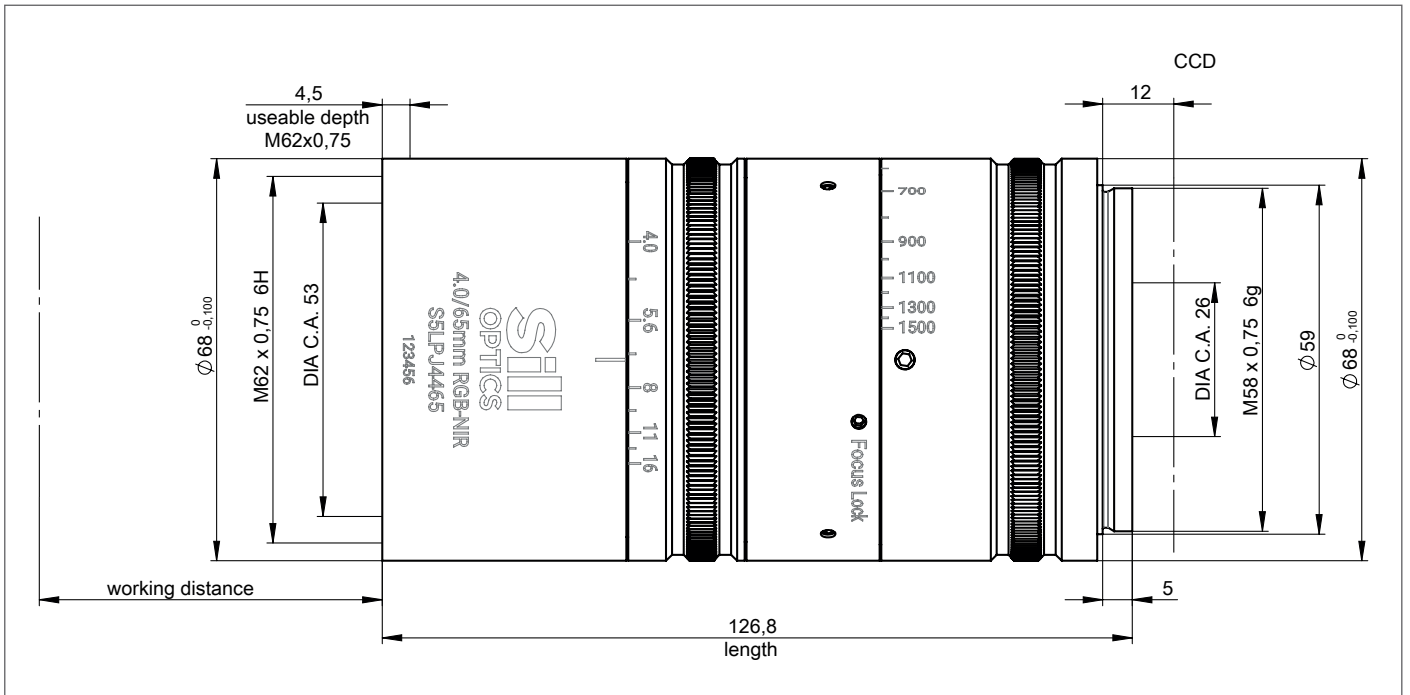
400-950nm WITH M58 X 0.75

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	M58x0.75
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



All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

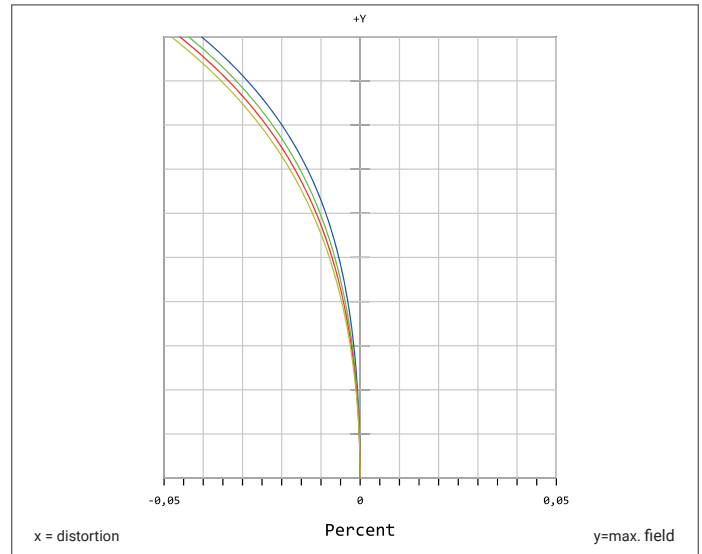
Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 20.08.2024

# DATA SHEET

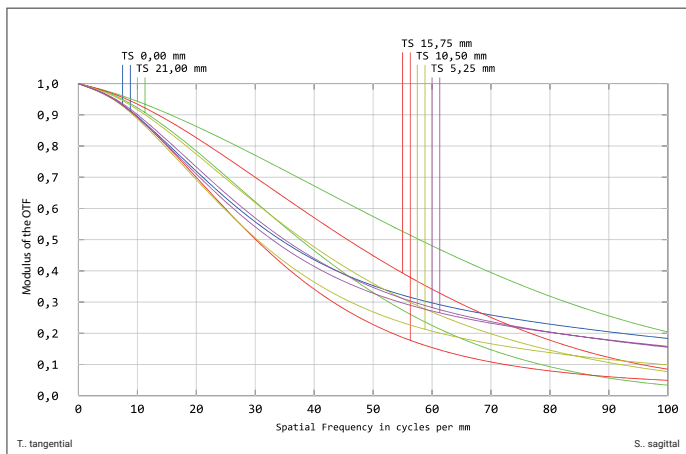
## SPECIFICATIONS

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

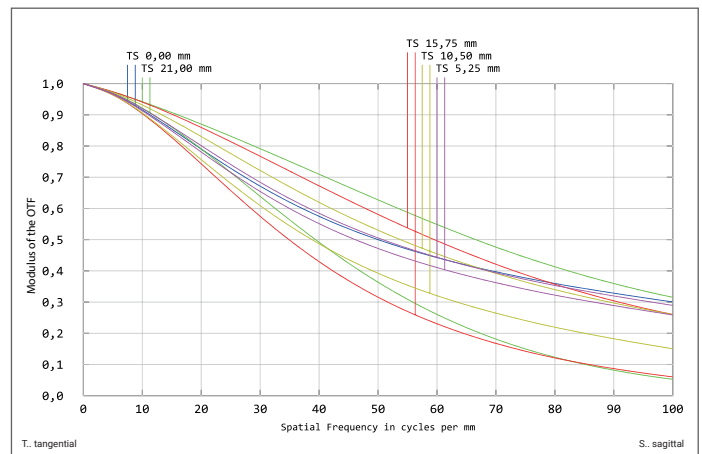
## DISTORTION FOR 400-950 nm



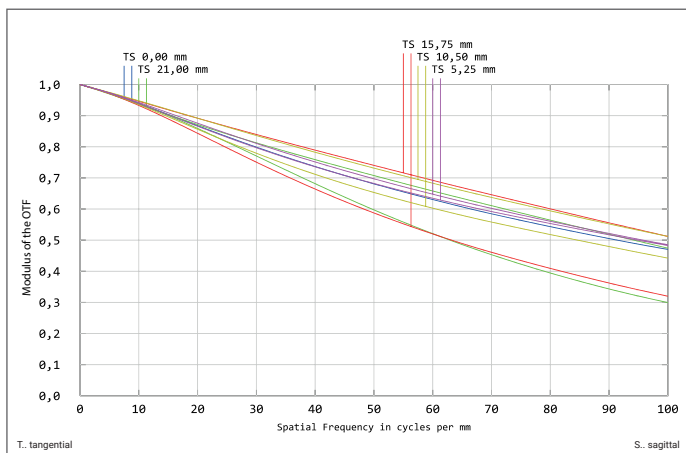
## MTF FOR VARIOUS OBJECT HEIGHTS AT 460 nm



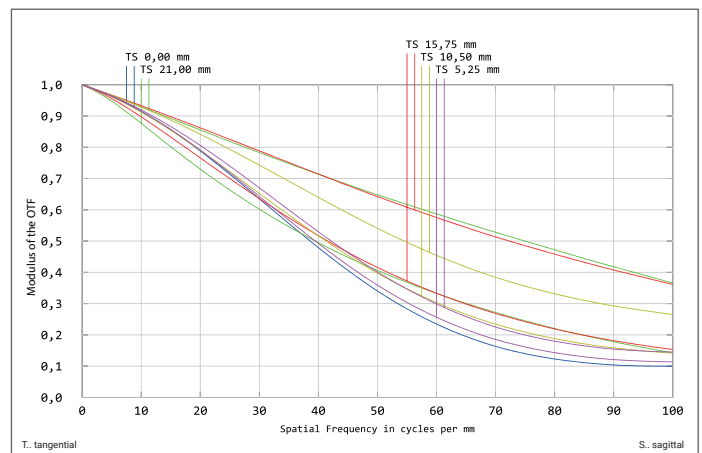
## MTF FOR VARIOUS OBJECT HEIGHTS AT 540 nm



## MTF FOR VARIOUS OBJECT HEIGHTS AT 630 nm



## MTF FOR VARIOUS OBJECT HEIGHTS AT 850 nm



## GRAPHS AND DATA GIVEN BY DESIGN

All information contained in this data sheet is for information purposes only and is not binding. The content is subject to change at any time without notification, all information without guarantee. We reserve the right to make constructional changes in the course of product improvement. Copyright © Sill Optics GmbH • All rights reserved

Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 20.08.2024