

S5LPJ4440

IMAGING LENS 4.0/40mm RGB-NIR

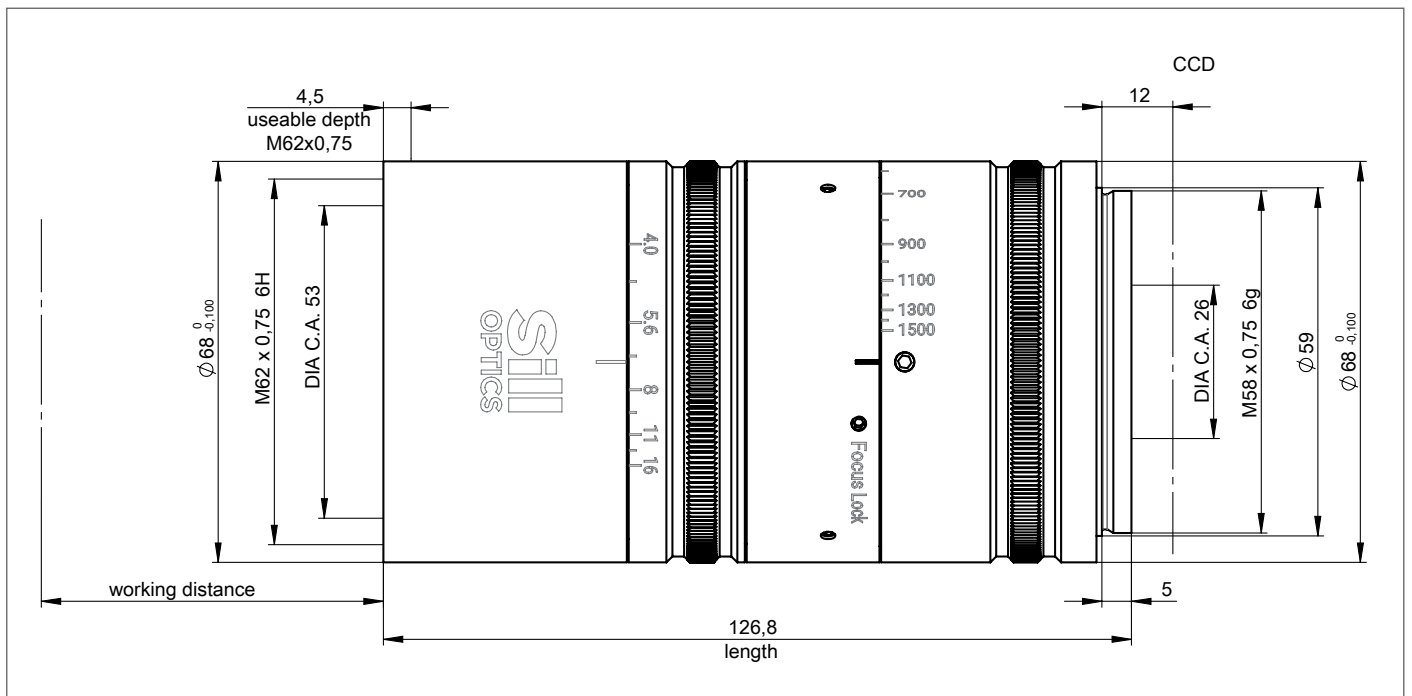
400-950nm WITH M58 X 0.75

Focal length	40.0 mm
Max. F#	4.0
Recommended F#	5.6
Waveband	400-950 nm
Working distance	350-1200 mm
max. sensor diagonal	41.0 mm
Magnification	0.104 (@WD350 mm) – 0.032 (@WD1200 mm)
Length	140.5 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	19.9°
Max. distortion	0.68 %
Transmission @400-950 nm	>85 %
Weight	0.8 kg



ILLUSTRATION ONLY - **PRELIMINARY**

OUTLINE DRAWING **PRELIMINARY**



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

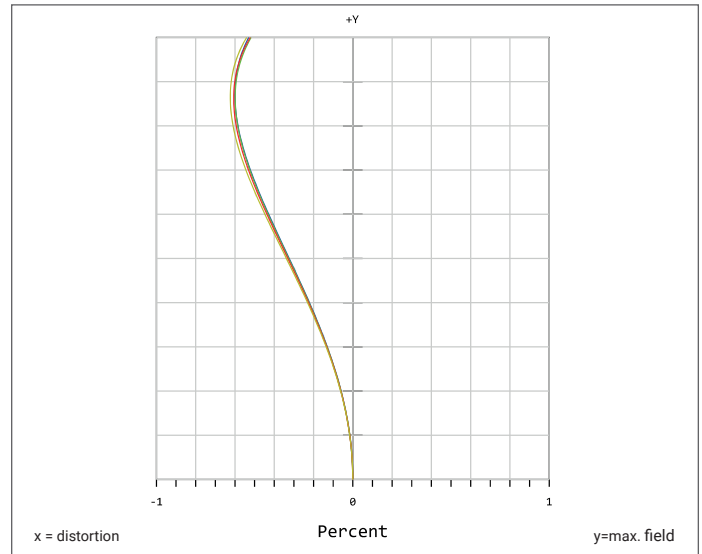
Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 20.08.2024

DATA SHEET PRELIMINARY

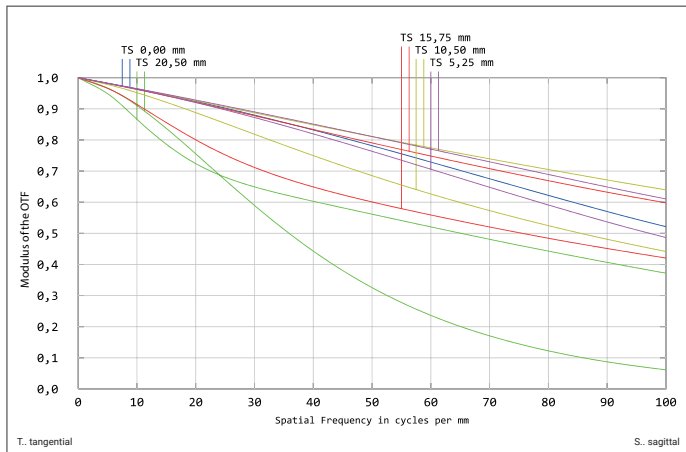
SPECIFICATIONS

Working distance [mm]	magnification	length [mm]
350	0.104	143.4
400	0.092	
450	0.082	
500	0.074	
600	0.063	141.7
700	0.054	
800	0.048	
900	0.043	140.9
1000	0.039	
1100	0.035	
1200	0.032	140.5

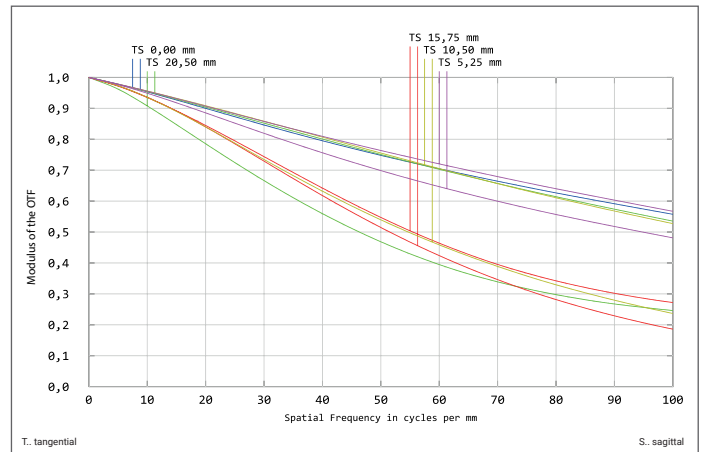
DISTORTION FOR 400-950 nm



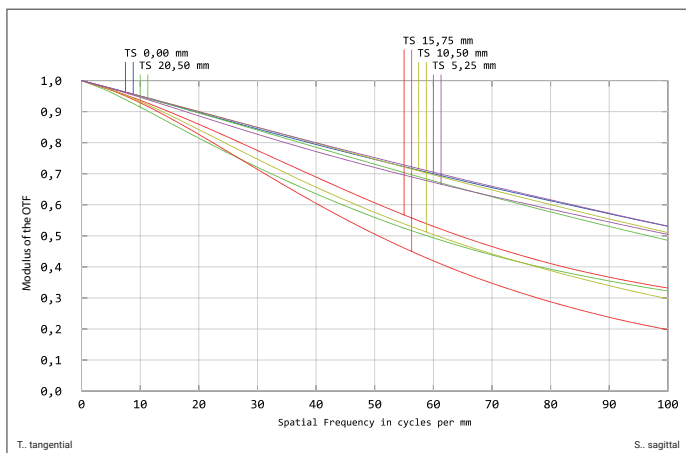
MTF FOR VARIOUS OBJECT HEIGHTS AT 460 nm



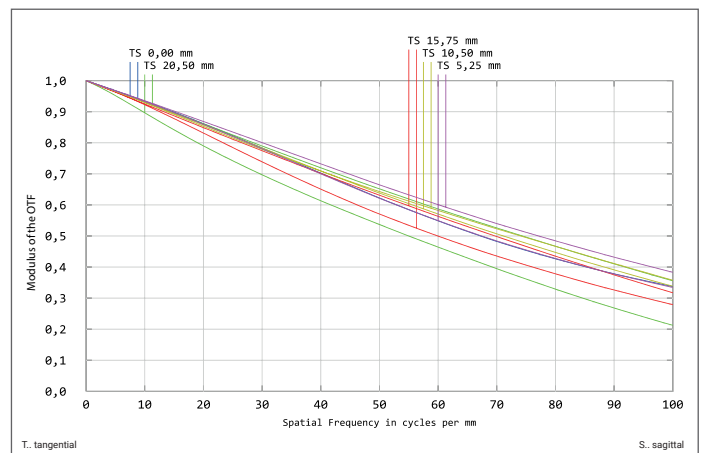
MTF FOR VARIOUS OBJECT HEIGHTS AT 540 nm



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