

DATA SHEET

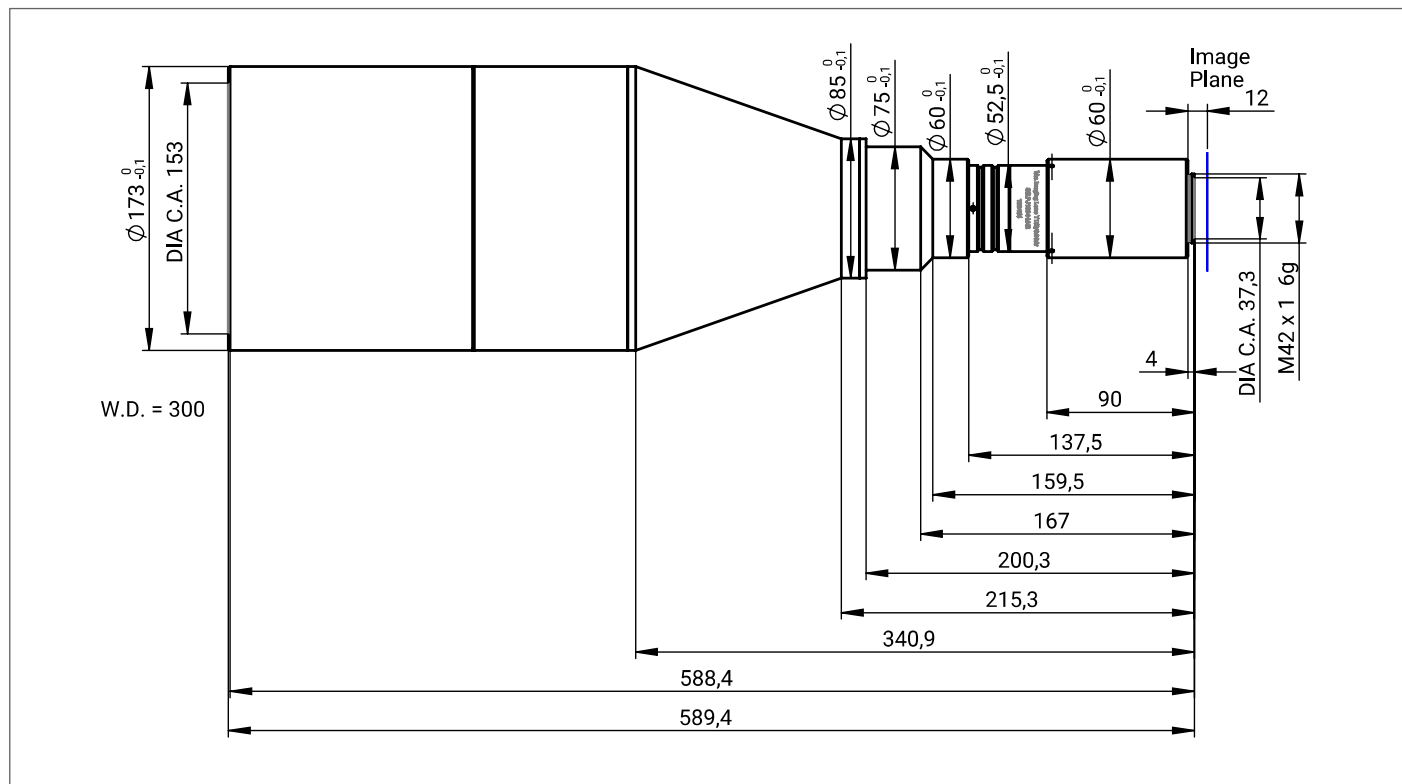
S5LPJ1894-M42 TELEC. IMAGING LENS T150/O.2 COLOR

- ▶ STANDARD TELECENTRIC LENSES
- ▶ OBJECT-SIDED TELECENTRIC
- ▶ WITH M42X1
- ▶ VARIABLE IRIS (MANUAL)



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

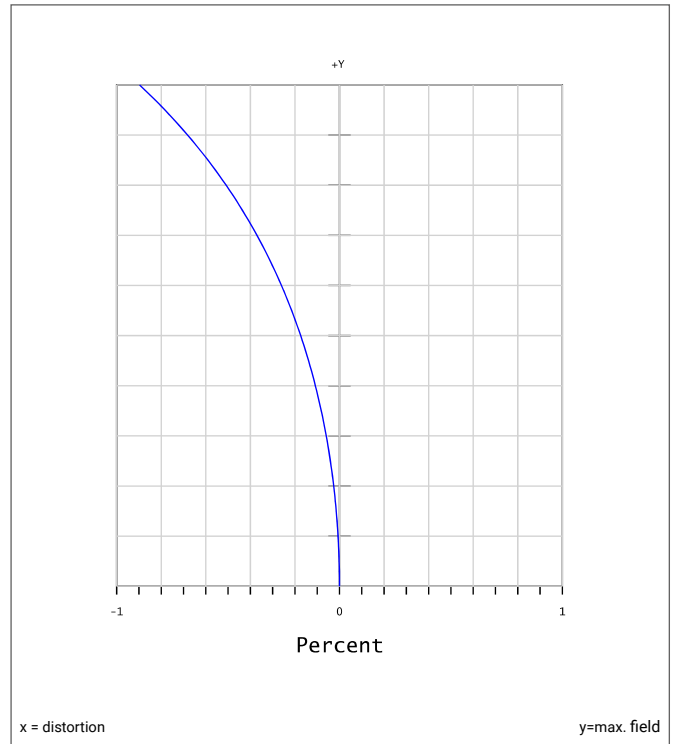
Sill Optics GmbH • Johann-Höllfritsch-Straße 13 • D-90530 Wendelstein • +49 9129 9023-0 • Published: 17.07.2024

DATA SHEET

SPECIFICATIONS

article number	S5LPJ1894-M42
wavelength range [nm]	400 - 900
design wavelength [nm]	450 - 700
magnification (+/-5%)	0.20
working distance [mm] (+/-2%)	300.00
object size [mm] at a chip size of [mm]	85.5 x 64.5 17.1 x 12.9 (1.25")
object size [mm] at a chip size of [mm]	96.0 x 72.0 19.2 x 14.4 (1.5")
object size [mm] at a chip size of [mm]	99.5 x 99.5 19.9 x 19.9 (28.2)
max. telecentricity error [°]	0.011
recommended numerical aperture	0.013
max. distortion [%]	0.90
weight [kg]	not yet weighed
flange back distance [mm]	12.00
accessory	S5SET0020 (mount)

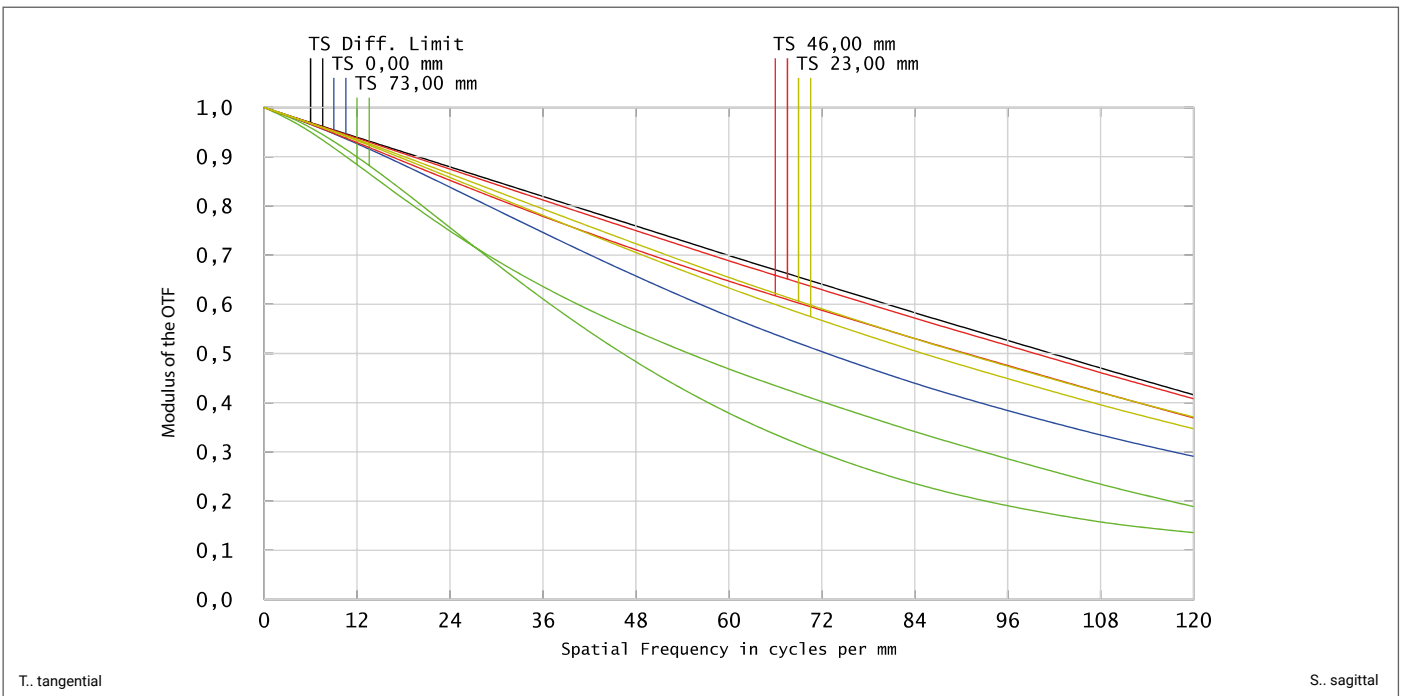
DISTORTION FOR 486 nm



REMARKS

useable for wavelength band 800-900 nm with working distance 312 mm

MTF FOR VARIOUS OBJECT HEIGHTS AT 486 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: 17.07.2024