

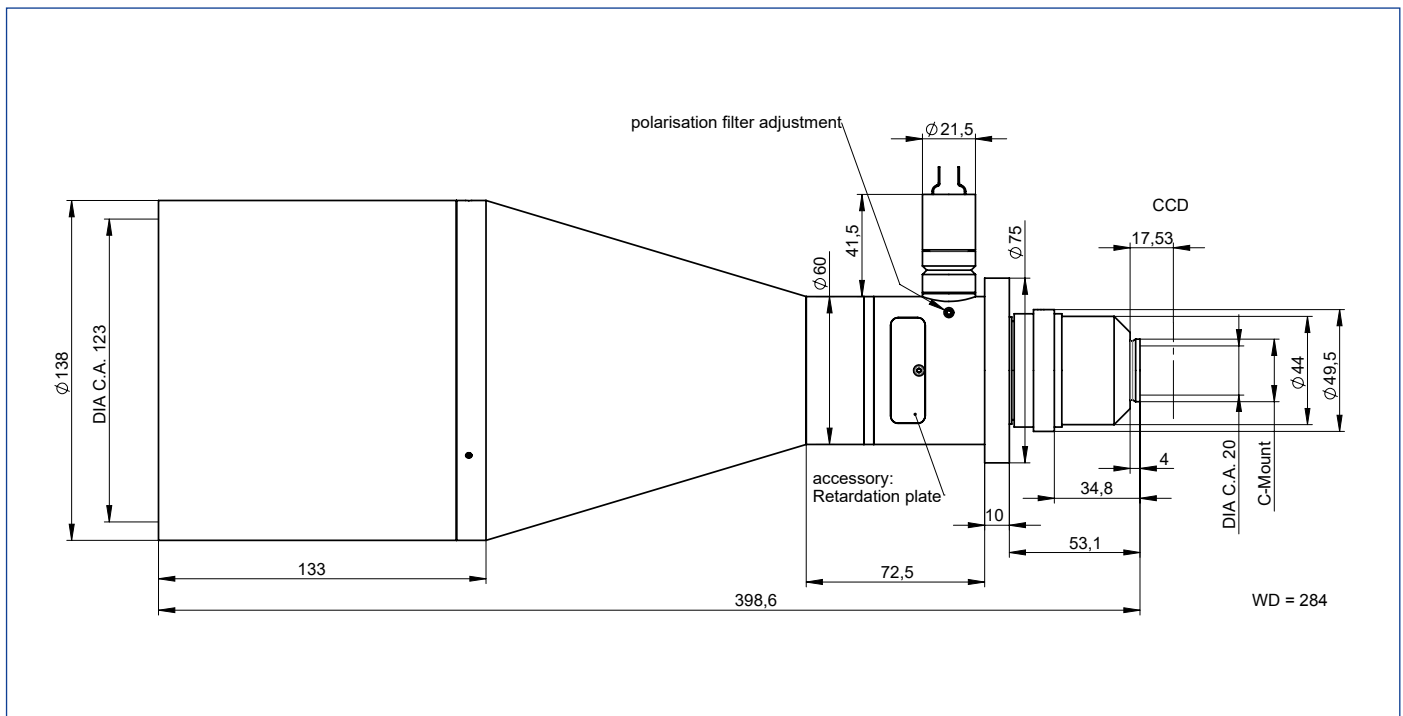
# DATA SHEET



## S5LPL1565/LED Correctal® TA120/0.2

- telecentric lens
- with c-mount
- with variable iris
- with integrated coaxial illumination

electrical specifications for S5LPLxxxx/LED, mechanical interface for S5LPLxxxx/CCS and optimum illumination settings for both see [product family data sheet attached](#)



outline drawing

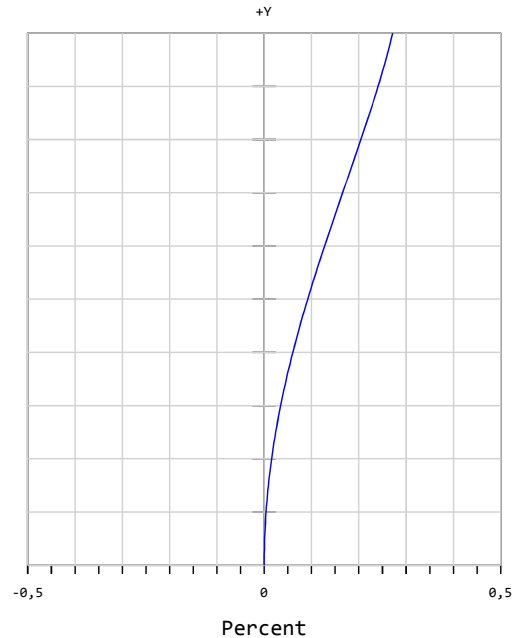
# DATA SHEET



## specifications

article number	SSLPL1565/LED
design wavelength [nm]	623 (+/-11)
magnification (+/-5%)	0.195
working distance [mm] (+/-2%)	284.0
object size [mm]	36.9 x 27.1
at a chip size of [mm]	7.2 x 5.3 (1/1.8")
distortion [%]	0.11
object size [mm]	45.1 x 33.8
at a chip size of [mm]	8.8 x 6.6 (2/3")
distortion [%]	0.16
object size [mm]	65.6 x 49.2
at a chip size of [mm]	12.8 x 9.6 (1")
distortion [%]	0.27
max. telecentricity error [°]	0.04
numerical aperture	0.008
weight [kg]	5.00
flange back distance [mm]	17.53
accessory	S5SET1150, S0SET9125/017, S5SET0020, S5SET1530

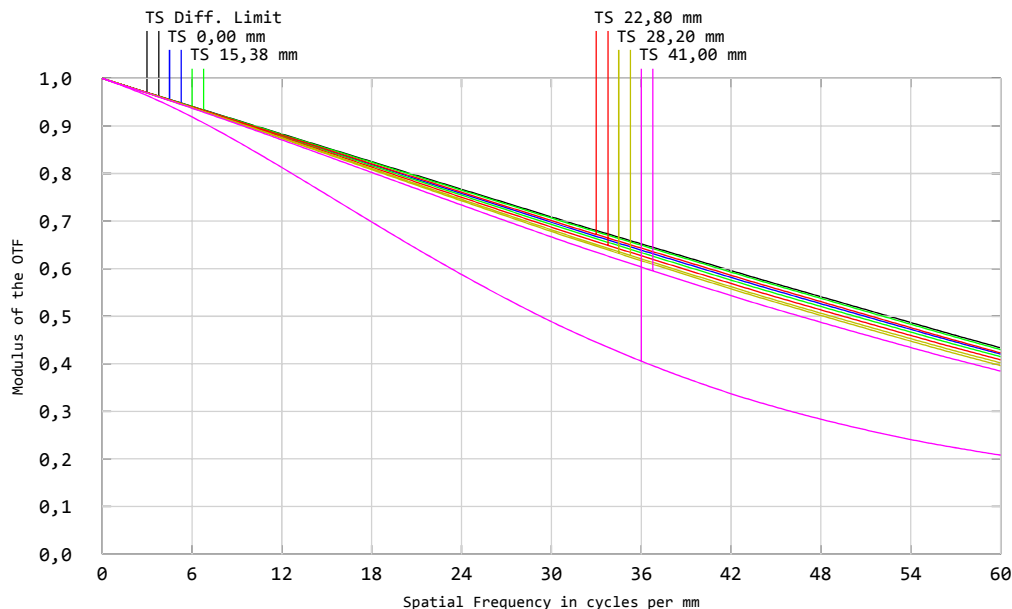
## Distortion for 623 nm



x = distortion

y = max. field

## MTF for various object heights at 623 nm



T. tangential

S. sagittal

graphs and data given by design.

Sill Optics  
GmbH & Co. KG  
Johann-Höllfritsch-Straße 13  
D-90530 Wendelstein

Copyright © Sill Optics GmbH & Co. KG  
All rights reserved.  
Issue A  
Published: 19.04.2018

Tel.: +49 (0) 9129 9023 0  
Fax: +49 (0) 9129 9023 23  
E-mail: info@silloptics.de  
Web: www.silloptics.de

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.