

DATA SHEET

S5LPL1852/LED Correctal TA150/0.11 LED 623nm

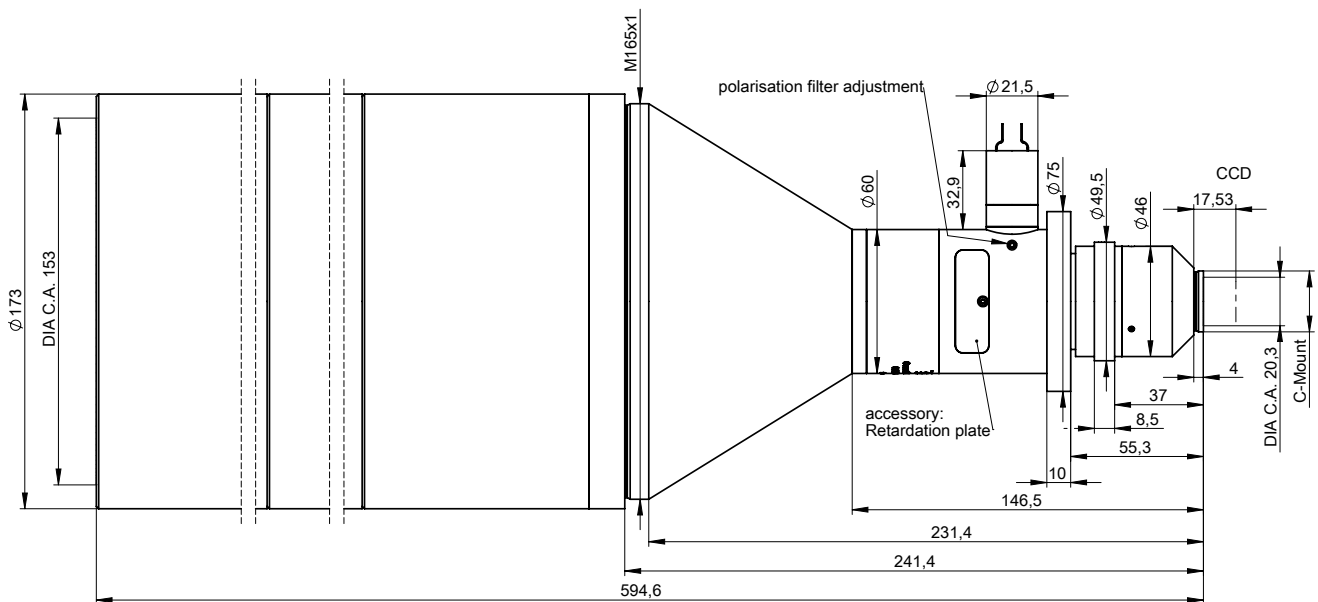
- telecentric lenses with coaxial illumination
- LED; polarized beamsplitter
- with C-Mount
- variable iris (manual)

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



illustration only

outline drawing



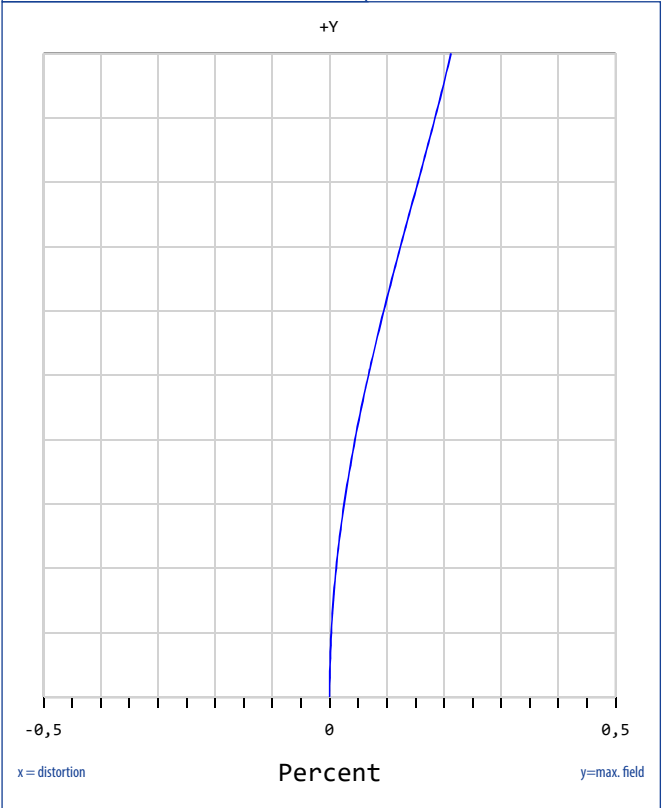
WD = 300

DATA SHEET

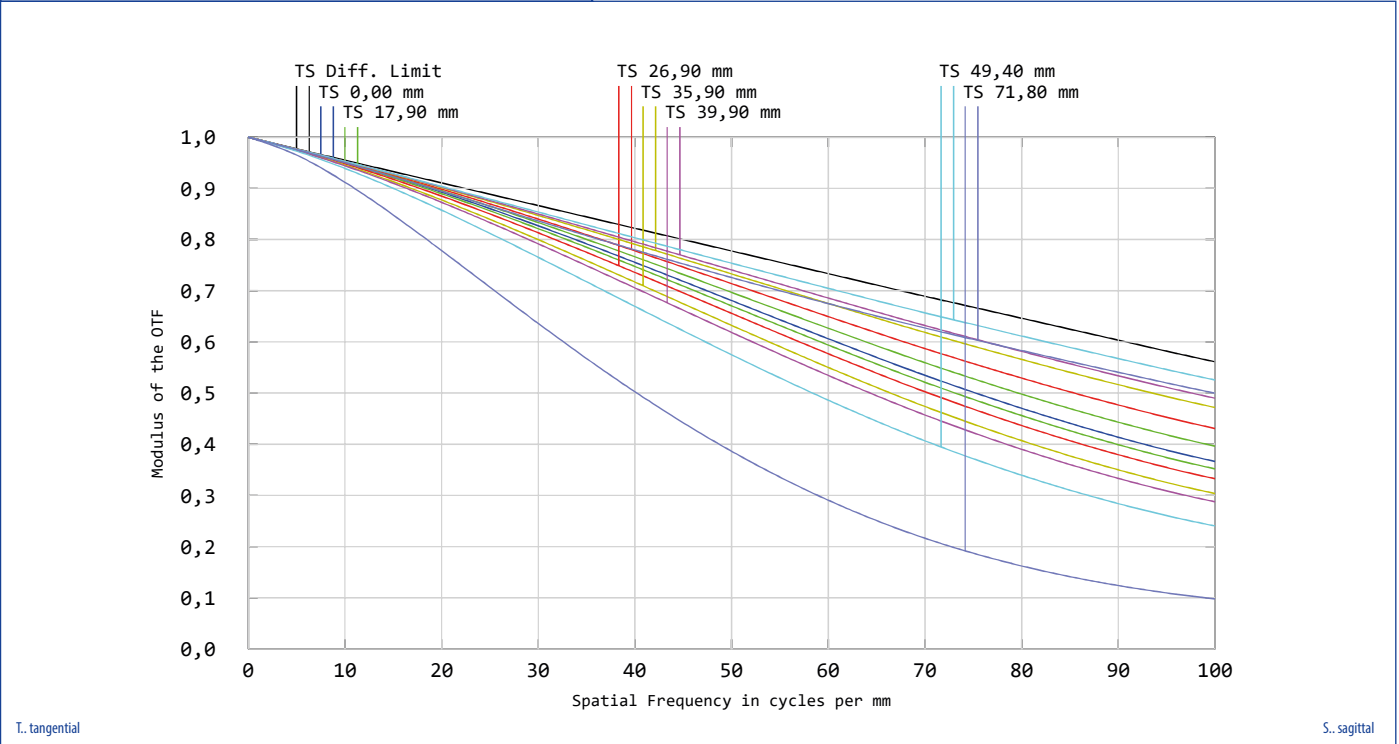
specifications

article number	SSLPL1852/LED
wavelength range [nm]	623 (+/-11)
design wavelength [nm]	623
magnification (+/-5%)	11.000
working distance [mm] (+/-2%)	300.0
object size [mm] at a chip size of [mm]	64.9 x 47.7 7.2 x 5.3 (1/1.8")
object size [mm] at a chip size of [mm]	79.3 x 59.5 8.8 x 6.6 (2/3")
object size [mm] at a chip size of [mm]	115.3 x 86.5 12.8 x 9.6 (1")
max. telecentricity error [°]	0.03
recommended numerical aperture	1.000
max. distortion [%]	0.21
weight [kg]	not yet weighed
flange back distance [mm]	1753.00
accessory	S5SET0020 (lens mount), S5SET1150 (retardation plate lambda/2), S0SET9125/017 (non-polarized beamsplitter)

Distortion for 623 nm



MTF for various object heights at 623 nm



graphs and data given by design.