

# DATA SHEET



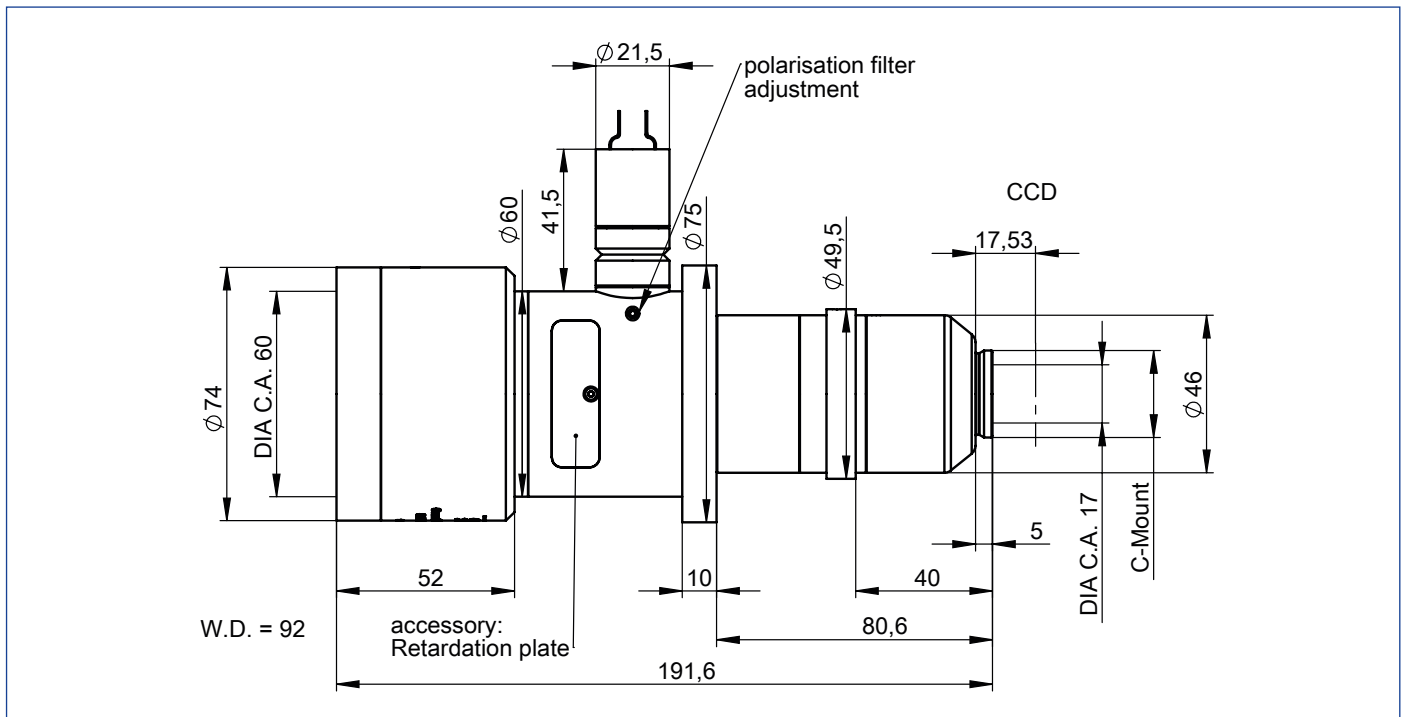
## S5LPL2893/LED Correctal® T60/0.29

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

electrical specifications for S5LPLxxx/LED, mechanical interface for S5LPLxxx/CCS and optimum illumination settings for both see [product family data sheet attached](#)



illustration only



outline drawing

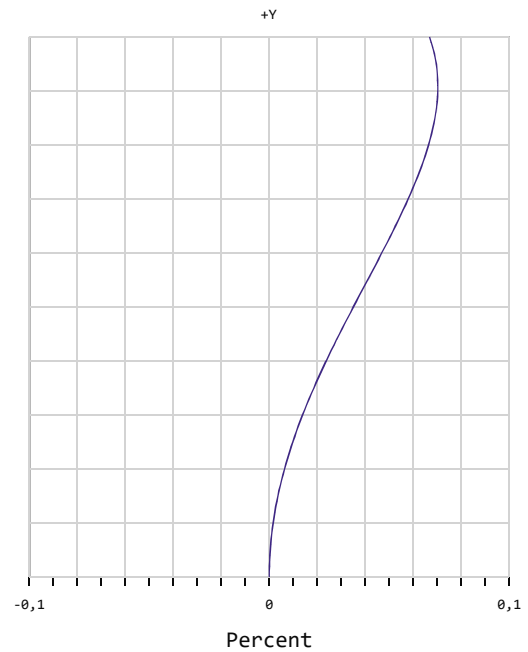
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## specifications

|                               |   |
|-------------------------------|---|
| article number                | S5LPL2893/LED                                     |
| design wavelength [nm]        | 623 (+/-11)                                       |
| magnification (+/-5%)         | 0.292   |
| working distance [mm] (+/-2%) | 92.0  |
| object size [mm]              | 21.9 x 16.4                                       |
| at a chip size of [mm]        | 6.4 x 4.8 (1/2")                                  |
| distortion [%]                | 0.06  |
| object size [mm]              | 24.6 x 18.1                                       |
| at a chip size of [mm]        | 7.2 x 5.3 (1/1.8")                                |
| distortion [%]                | 0.07  |
| object size [mm]              | 30.1 x 22.6                                       |
| at a chip size of [mm]        | 8.8 x 6.6 (2/3")                                  |
| distortion [%]                | 0.07  |
| max. telecentricity error [°] | 0.2   |
| numerical aperture            | 0.020   |
| weight [kg]                   | not yet weighted                                  |
| flange back distance [mm]     | 17.53   |
| accessory                     | S5SET1150, S0SET9125/017,<br>S5SET0020, S5SET5016 |

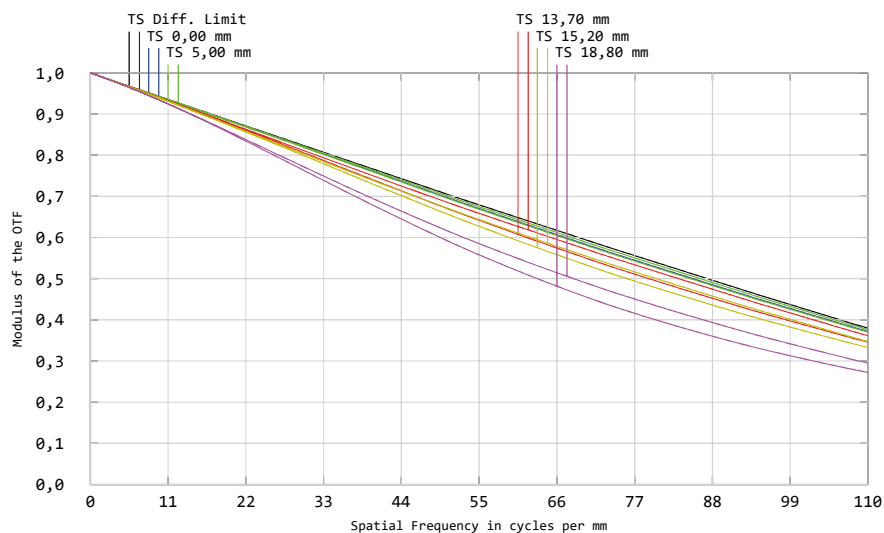
## Distortion for 623 nm



x = distortion

y = max. field

## MTF for various object heights at 623 nm



T. tangential

S. sagittal

graphs and data given by design.

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Issue A  
Published: 10.07.2019

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