

## S5VPJ1565 Correctal® T120/0.19

- telecentric lens with tunable working distance
- with c-mount
- with variable iris

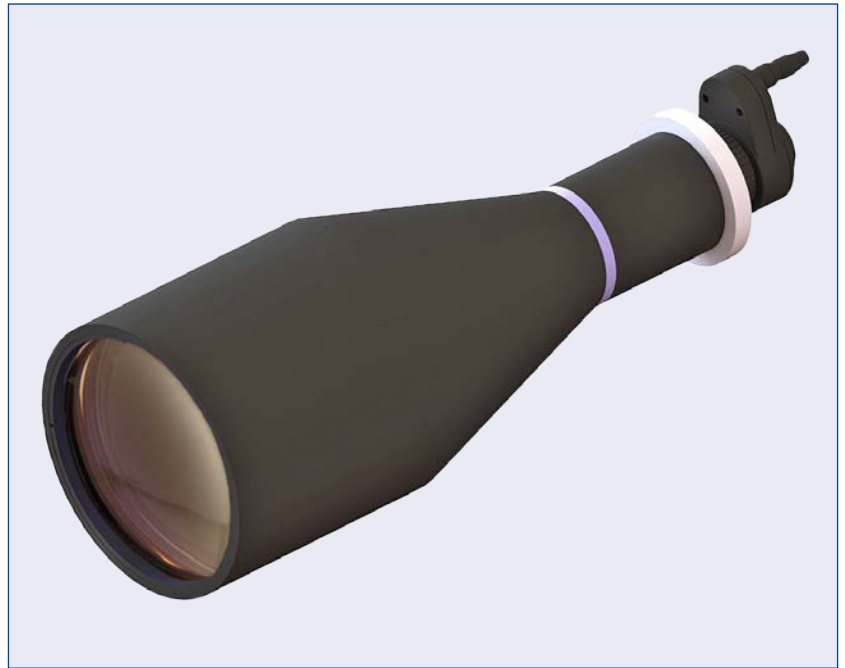
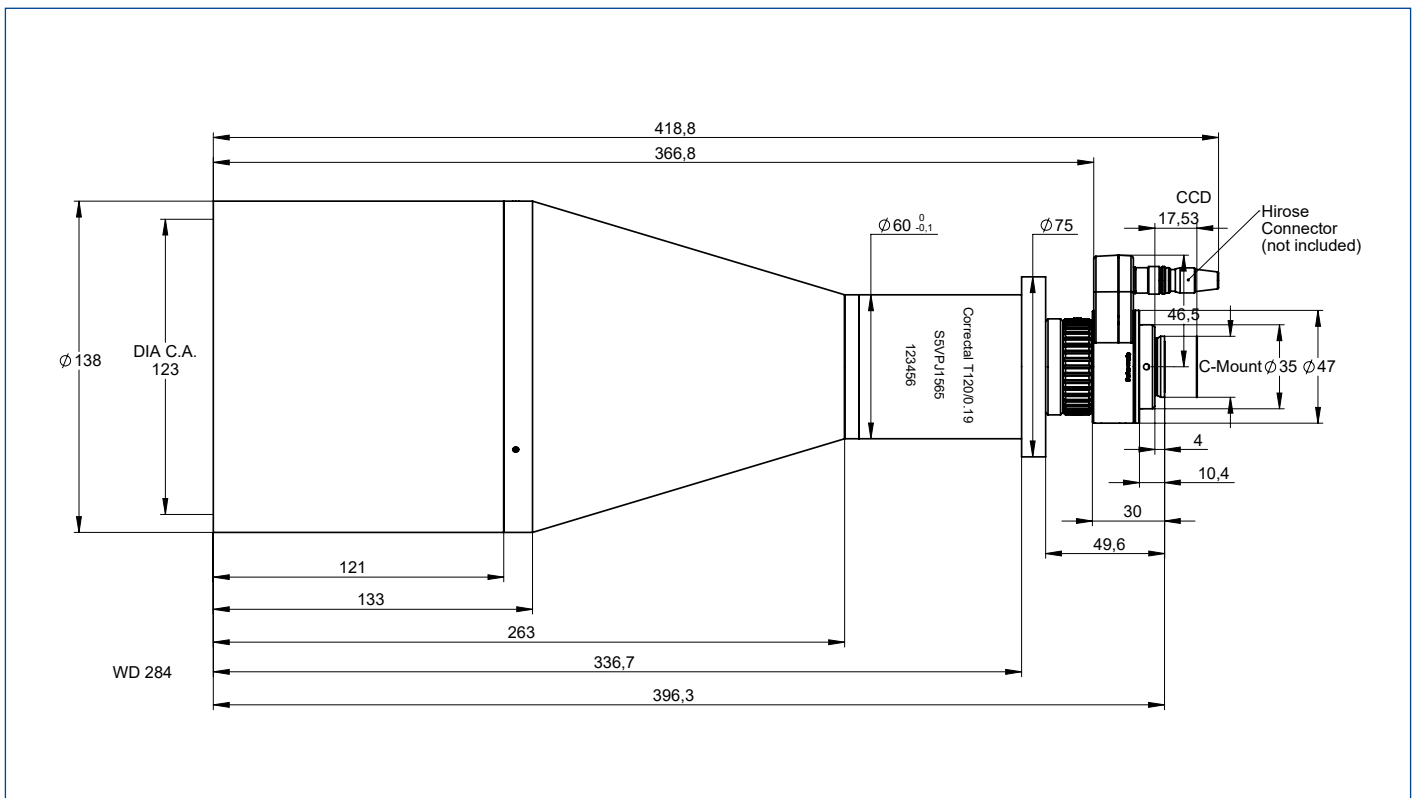


illustration only



outline drawing

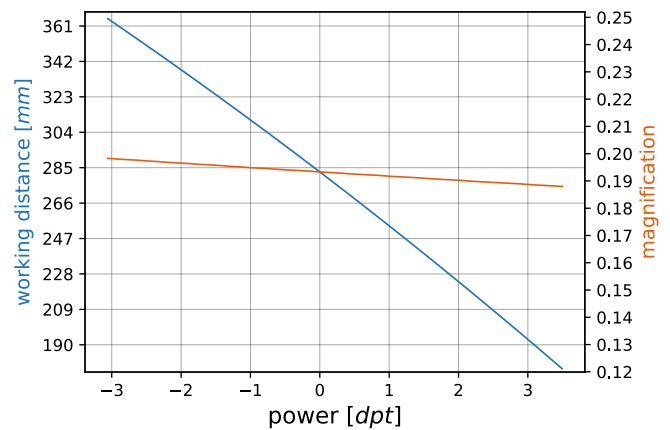
## specifications

article number	S5VPJ1565
design wavelength [nm]	450-700
nominal magnification (+/-5%)	0.193
nominal working dist. [mm] (+/-2%)	284.0
object size [mm] at a chip size of [mm]	33.1 x 24.8 6.4 x 4.8 (1/2")
object size [mm] at a chip size of [mm]	45.5 x 34.1 8.8 x 6.6 (2/3")
object size [mm] at a chip size of [mm]	66.3 x 49.7 12.8 x 9.6 (1")
max. distortion [%]	0.5
max. telecentricity error [°]	0.01
numerical aperture	0.01
WD at +3.0 dpt	193.6
magn. at +3.0 dpt	0.189
WD at -2.0 dpt	338.7
magn. at -2.0 dpt	0.196
weight [kg]	4.70
flange back distance [mm]	17.53
accessory (not included)	S5ZUB1640 (Optotune lens driver 4i), S5ZUB1641 (connection cable 6pin Hirose, 100 cm)

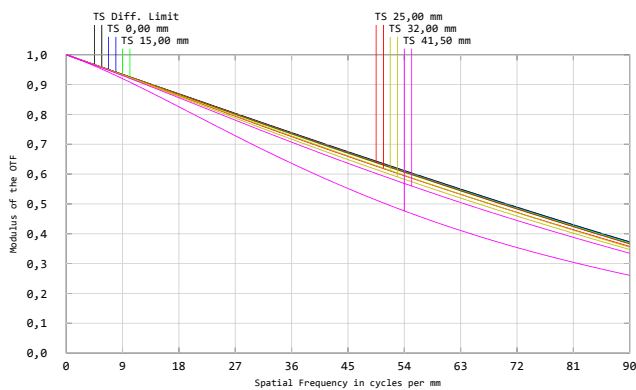
## electronical specs

nominal optical power	-2.0 to +3.0 dpt
response time	5 ms
settling time	25 ms
nominal control current	-250 to +250 mA
nominal power consumption	0 to 0.7 W
lifecycles	> 1,000,000,000
operating temperature	-20 to +65 °C
storage temperature	-40 to +85 °C

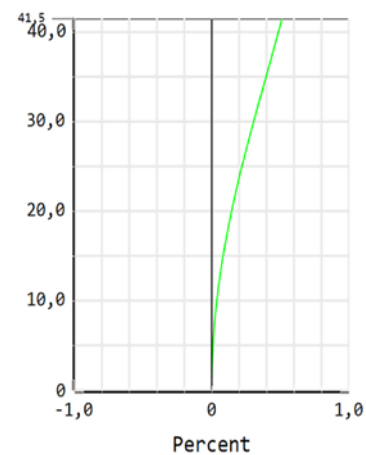
Detailed electronical specification, absolute control current and customized control datasheet: [optotune.com](http://optotune.com)



## MTF for various object heights for 586 nm at 284.0 mm



## Distortion for 586 nm at 284.0 mm



T. tangential

S. sagittal

x = distortion

y = field size

graphs and data given by design.