

## S5VPJ0420 Correctal® T30/3.0

- telecentric lens with tunable working distance
- with M42-thread
- with variable iris

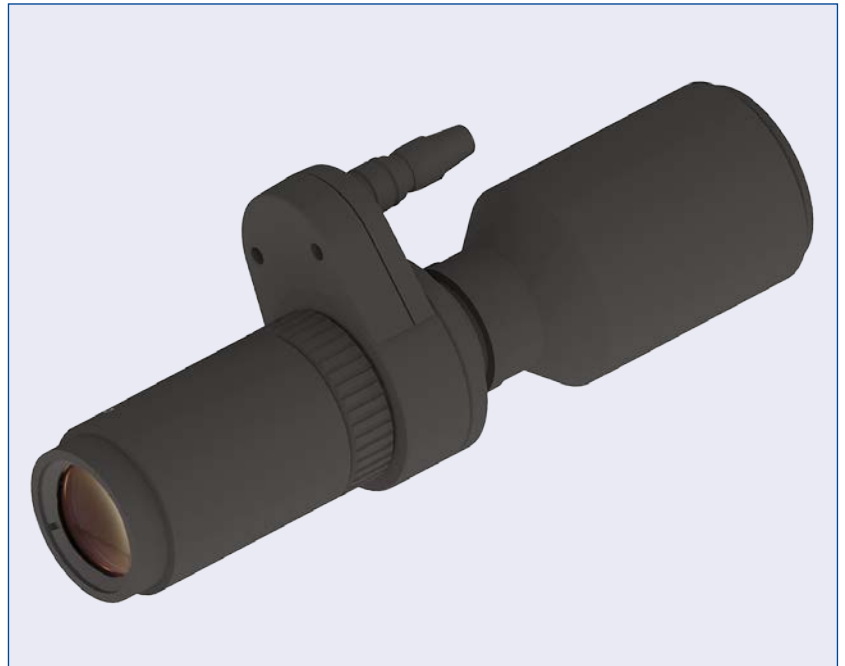
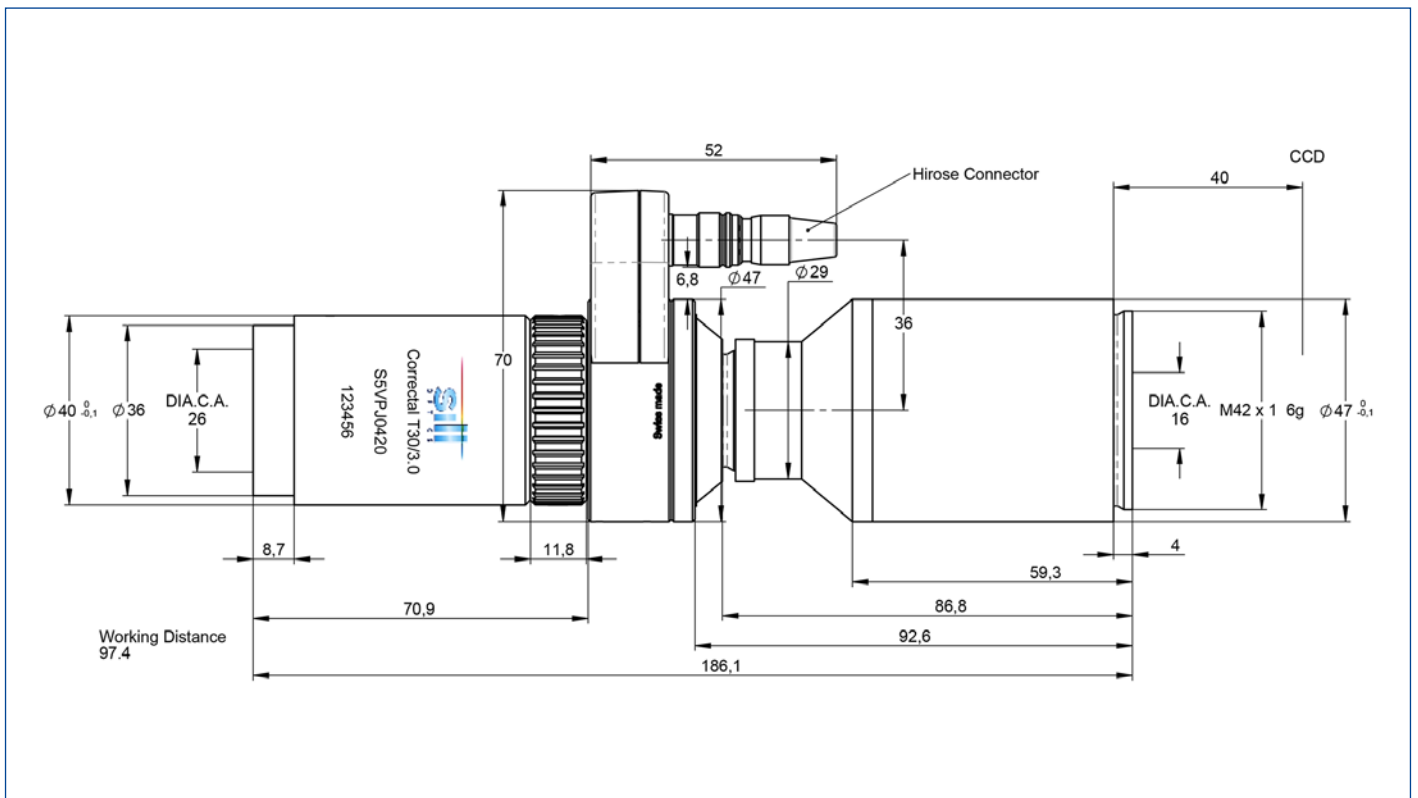


illustration only



outline drawing

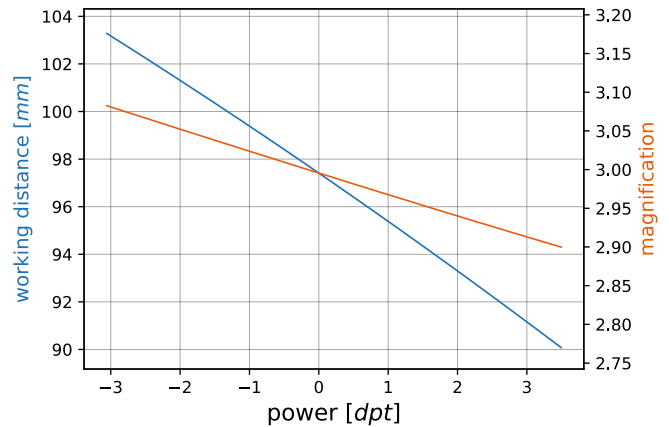
## specifications

article number	S5VPJ0420
design wavelength [nm]	450-700
nominal magnification (+/-5%)	3.000
nominal working dist. [mm] (+/-2%)	97.4
object size [mm] at a chip size of [mm]	7.10 21.4
object size [mm] at a chip size of [mm]	9.50 28.6
object size [mm] at a chip size of [mm]	11.60 35
max. distortion [%]	0.2
max. telecentricity error [°]	<0.01
numerical aperture	0.06
WD at +3.0 dpt	91.2
magn. at +3.0 dpt	2.914
WD at -2.0 dpt	101.2
magn. at -2.0 dpt	3.054
weight [kg]	0.40
flange back distance [mm]	40
accessory (not included)	S5ZUB1640 (Optotune lens driver 4i), S5ZUB1641 (connection cable 6pin Hirose, 100 cm)

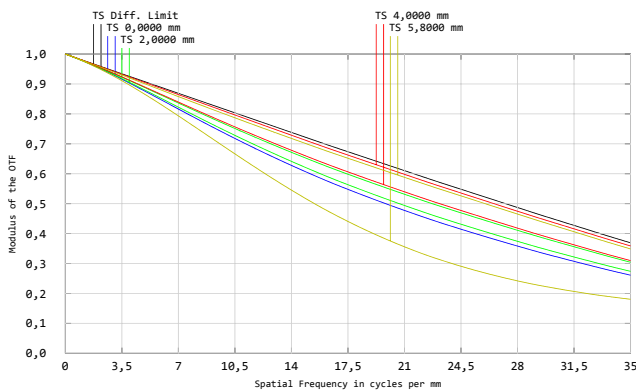
## electronical specs

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

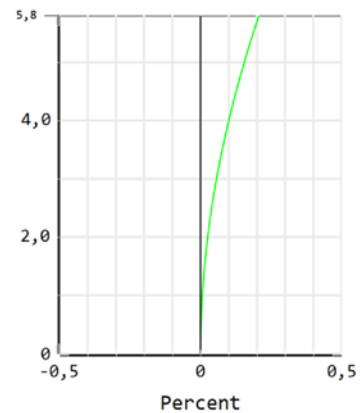
Detailed electronical specification, absolute control current and customized control datasheet: [optotune.com](http://optotune.com)



## MTF for various object heights for 586 nm at 97.4 mm



## Distortion for 586 nm at 97.4 mm



T.. tangential S.. sagittal x = distortion y = field size

graphs and data given by design.