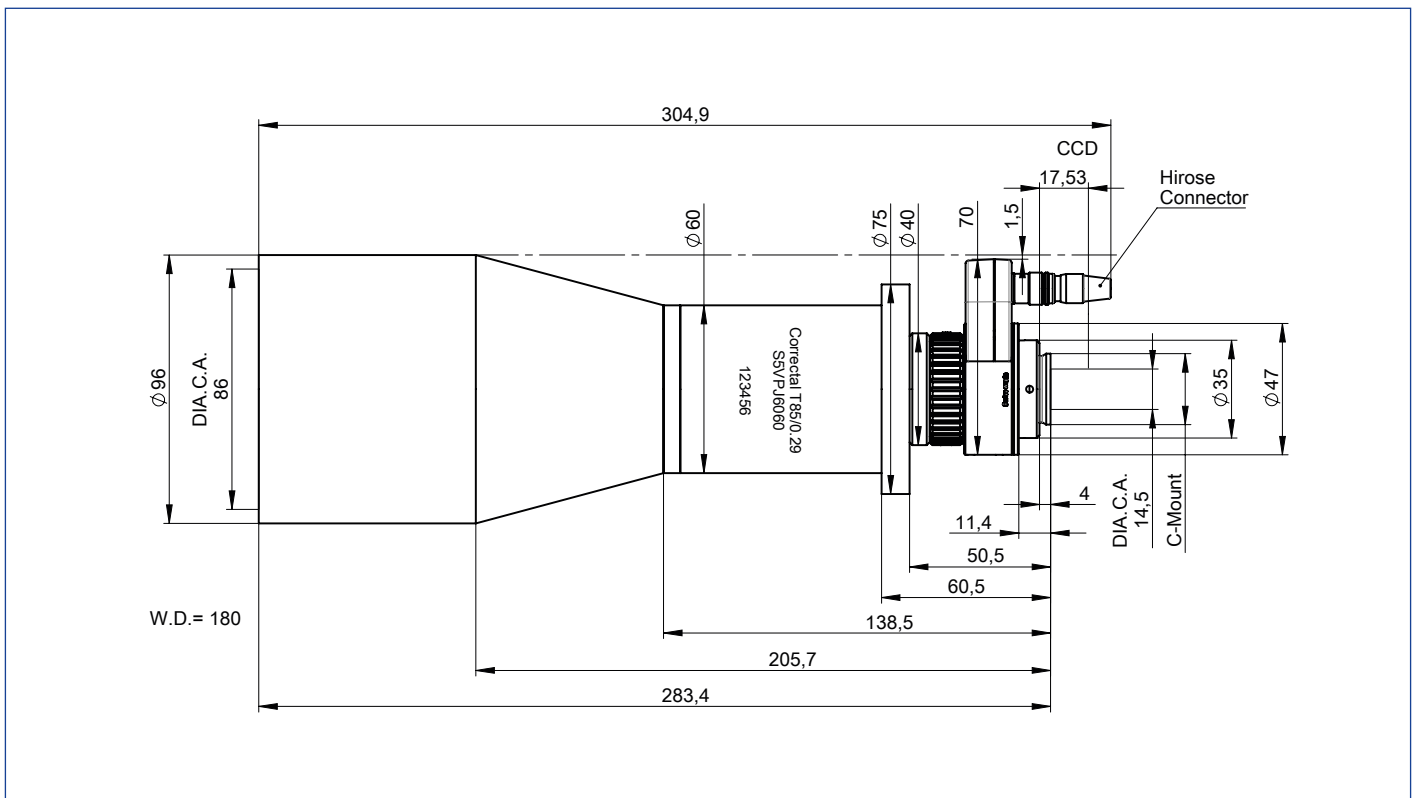


S5VPJ6060

Correctal® T85/0.29

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



outline drawing

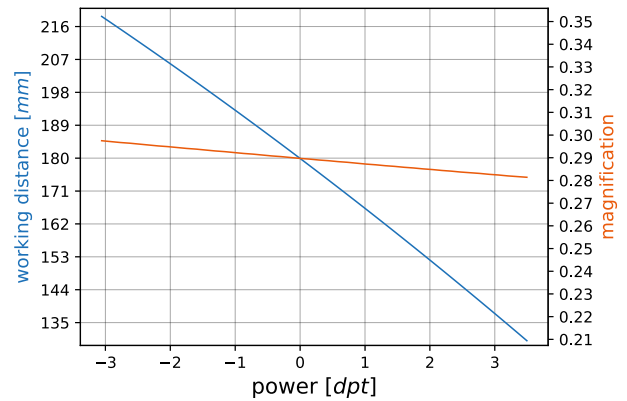
specifications

article number	S5VPJ6060
design wavelength [nm]	450-700
nominal magnification (+/-5%)	0.289
nominal working dist. [mm] (+/-2%)	180.0
object size [mm] at a chip size of [mm]	22.1 x 16.6 6.4 x 4.8 (1/2")
object size [mm] at a chip size of [mm]	30.4 x 22.8 8.8 x 6.6 (2/3")
object size [mm] at a chip size of [mm]	44.2 x 33.2 12.8 x 9.6 (1")
max. distortion [%]	0.5
max. telecentricity error [°]	0.01
numerical aperture	0.015
WD at +3.0 dpt	137.4
magn. at +3.0 dpt	0.282
WD at -2.0 dpt	205.8
magn. at -2.0 dpt	0.294
weight [kg]	1.60
flange back distance [mm]	17.53
accessory (not included)	S5ZUB1640 (Optotune lens driver 4i), S5ZUB1641 (connection cable 6pin Hirose, 100 cm)

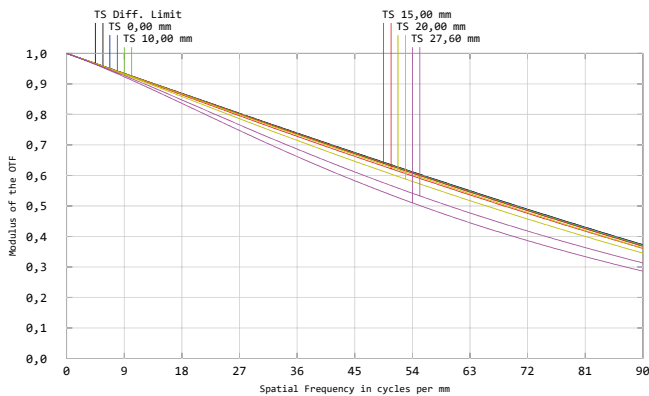
electronical specs

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



MTF for various object heights for 586 nm at 180.0 mm

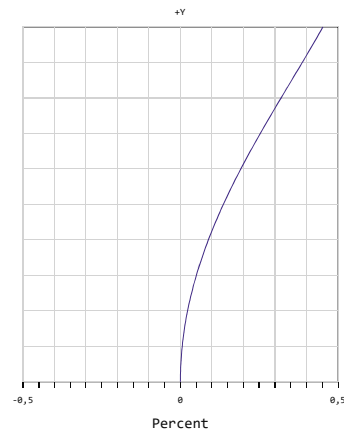


T. tangential

S. sagittal

graphs and data given by design.

Distortion for 586 nm at 180.0 mm



x = distortion

y = field size