Distagon T* 2/35 ZF

Features

- High Speed lens
- Precise manual focusing
- Robust full-metal construction
- Identical color reproduction of all models assures the quality of products measured by hue difference
- For industrial cameras with F-Mount up to sensor sizes of 24x36 mm.
- Mounts and optical coatings can be modified on request

ZF-I: Industrial Edition
Features special screws to fix focus and aperture settings also in rough situations.

Camera Mounts
Available for other camera mounts such as EF, K or M42 screw mount.

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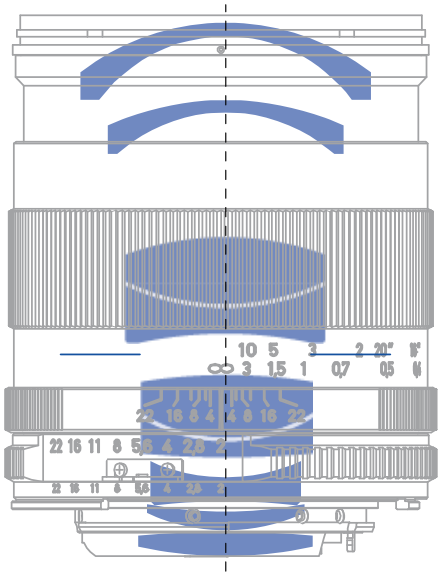
Technical Specifications



Focal length	35 mm
Aperture range	f/2 – f/22 (1/ 2 stop intervals)
Number of elements / groups	9 / 7
Working distance (object to sensor)	17.6 cm (0.58 ft) – ∞
Angular field* (diag. / horiz. / vert.)	62 / 53 / 37 °
Max. diameter of image field	43 mm (1.7")
Flange focal length	46.5 mm (1.8")
Coverage at close range	13 x 19 cm (5.1 x 7.5")
Image ratio at close range	1: 5.3
Filter-thread	M 58 x 0.75
Length (without caps)**	72.8 mm (2.9")
Diameter	64 mm (2.5")
Weight	530 g (19 oz.)
Camera mount***	ZF (F bayonet)

* referring to 35 mm format
** from bayonet mount to filter thread when lens focused to infinity
*** other mounts available on request

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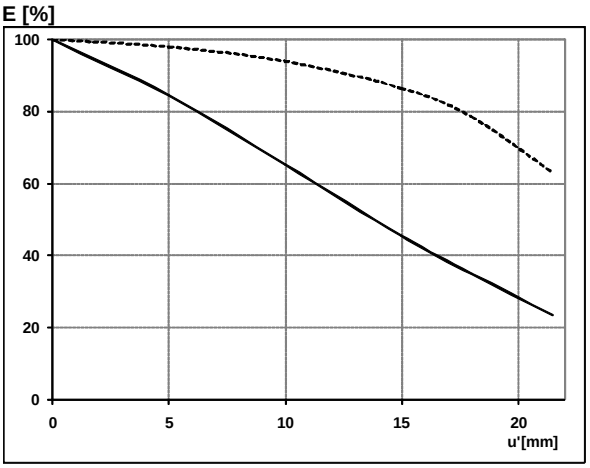
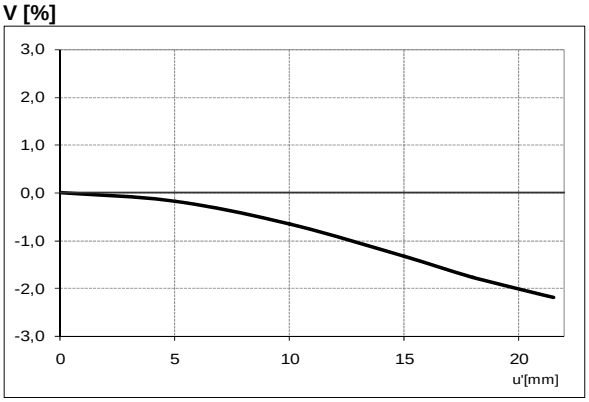
Relative Illuminance



The relative illumination shows in percent the decrease in image brightness from the image center to edge.

__ f-number 1.4
… f-number 4

Relative Distortion



The relative distortion shows in percent the deviation of the actual from the ideal image height.

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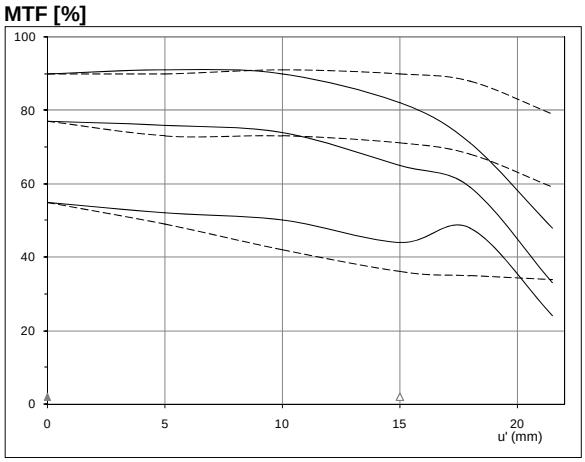
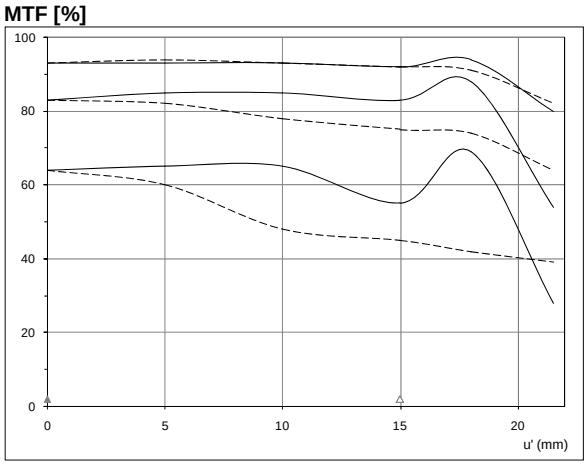
MTF Charts



The Modulation Transfer (MTF) as a function of image height (u) and slit orientation (sagittal, tangential) has been measured with white light at spatial frequencies of R = 10, 20 and 40 cycles/mm.

f-number 2
__ Saggital
… Tangential



f-number 4
__ Saggital
… Tangential

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Depth of Field

	Field range			
Aperture	**Object distance 3.00 m (9.84 ft)**		**Object distance 1.00 m (3.28 ft)**	
f / 2	2.66 – 3.45 m	(8.73 – 11.32 ft)	0.96 – 1.04 m	(3.15 – 3.41 ft)
f / 2.8	2.54 – 3.67 m	(8.33 – 12.04 ft)	0.95 – 1.06 m	(3.12 – 3.48 ft)
f / 4	2.38 – 4.00 m	(7.81 – 13.12 ft)	0.93 – 1.08 m	(3.05 – 3.54 ft)
f / 5.6	2.21 – 5.00 m	(7.25 – 16.40 ft)	0.91 – 1.12 m	(2.99 – 3.67 ft)
f / 8	1.98 – 6.00 m	(6.50 – 19.69 ft)	0.87 – 1.18 m	(2.85 – 3.87 ft)
f / 11	1.77 – 11.0 m	(5.81 – 36.09 ft)	0.83 – 1.27 m	(2.72 – 4.17 ft)
f / 16	1.50 m –∞	(4.92 ft –∞)	0.77 – 1.46 m	(2.53 – 4.79 ft)
f / 22	1.27m –∞	(4.17 ft –∞)	0.72 – 1.78 m	(2.36 – 5.84 ft)

Defined circle of confusion: 0.03 mm (0.0012")