Distagon T* 2,8/25 ZF

Features

- Low close-range adjustment (6 cm / 2.4") from object to front lens surface
- Optimal control of flare and stray light
- 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.

ZF-IR: Infrared Edition
Features special coating for optimized performance in near-infrared applications.

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

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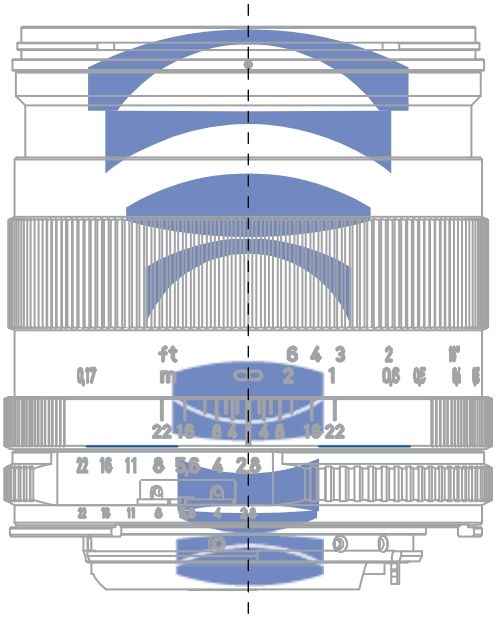
Technical Specifications



Focal length	25 mm
Aperture range	f/2.8 – f/22 (1/ 2 stop intervals)
Number of elements / groups	10 / 8
Working distance (object to sensor)	0.17 m (0.56 ft) – ∞
Angular field* (diag. / horiz. / vert.)	80 / 70 / 50°
Max. diameter of image field	43 mm (1.7")
Flange focal length	46.5 mm (1.8")
Coverage at close range	55 x 83 cm (22 x 33")
Image ratio at close range	1: 2.3
Filter-thread	M 58 x 0.75
Length (without caps)**	66.5 mm (2.6")
Diameter	64 mm (2.5")
Weight	480 g (17 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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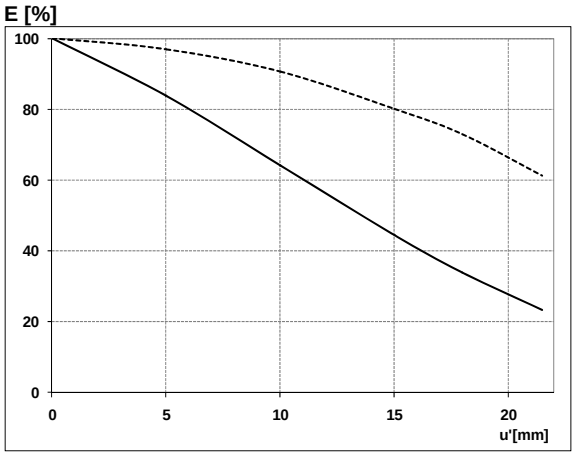
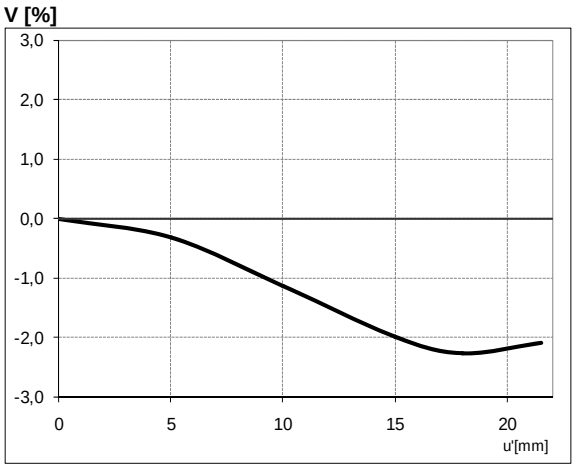
Relative Illuminance



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

__ f-number 2.8
… f-number 5.6

Relative Distortion



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

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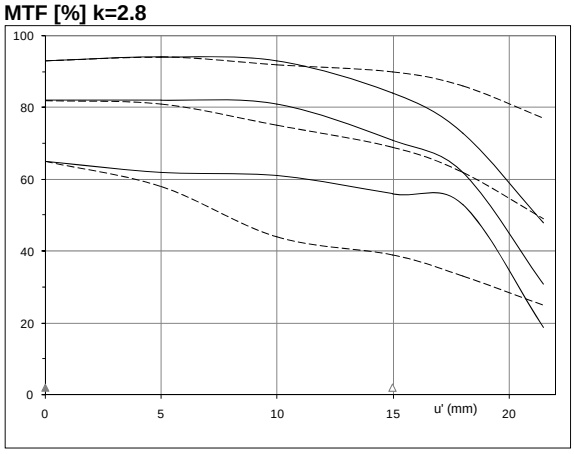
MTF Charts

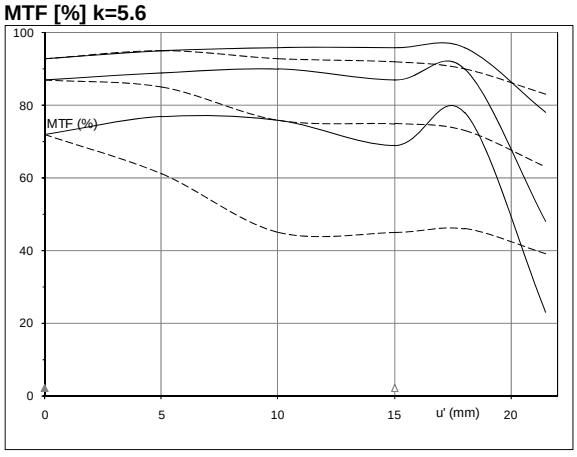
MTF [%] k=2.8



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 2.8
__ Saggital
… Tangential

MTF [%] k=5.6



f-number 5.6
__ 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 / 2.8	2.22 – 5.00 m	(7.28 – 16.40 ft)	0.91 – 1.12 m	(2.98 – 3.67 ft)
f /4	2.00 – 6.00 m	(6.56 – 19.68 ft)	0.87 – 1.18 m	(2.85 – 3.87 ft)
f / 5.6	1.77 – 11.00 m	(5.81 – 36.09 ft)	0.83 – 1.27 m	(2.72 – 4.17 ft)
f / 8	1.51 m –∞	(4.95 ft –∞)	0.78 – 1.45 m	(2.56 – 4.76 ft)
f /11	1.28 m –∞	(4.20 ft –∞)	0.72 – 1.75 m	(2.36 – 5.74 ft)
f /16	1.03 m –∞	(3.38 ft –∞)	0.64 – 2.77 m	(2.10 – 9.09 ft)
f / 22	0.84 m –∞	(2.75 ft – ∞)	0.57 – 10.00 m	(1.87 – 32.81 ft)