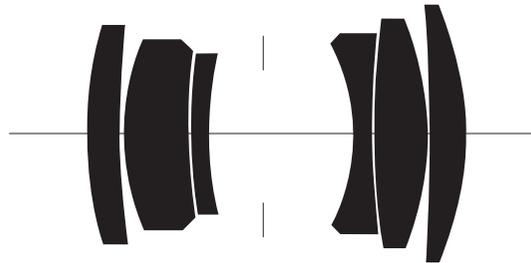
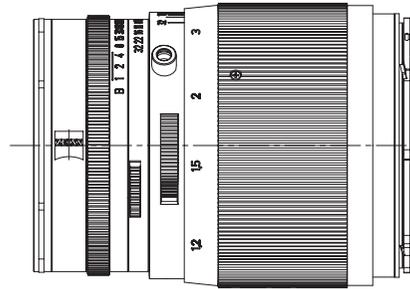


Makro-Planar T* 4/120 ZV

The Classic Macro

- The best proven macro lens for medium format photography in decades – an established industry standard
- Fascinating image quality and undistorted rendering in close-up and product photography – both analog and digital
- Extremely durable all-metal precision barrel



Technical Specifications

Focal length: 120.9 mm

Aperture range: f/4.0 – f/32 (increments: half f-numbers)

Number of elements/groups: 6/4

Focusing range: 0.8 m – infinity

Image ratio at close range: 1:4.5

Coverage at close range: 246 x 246 mm

Angular field, diag./horiz.: 36°/25°

Filter thread: 67 E

Outer bayonet: dia. 60 series

Weight: 890 g

Dimensions: ø 80 mm, length 107,6 mm

Subject to change.

Carl Zeiss AG

Camera Lens Division
73446 Oberkochen
Germany

Tel: +49 73 64 20-61 75
Fax: +49 73 64 20-40 45
E-Mail: photo@zeiss.de
www.zeiss.com/photo



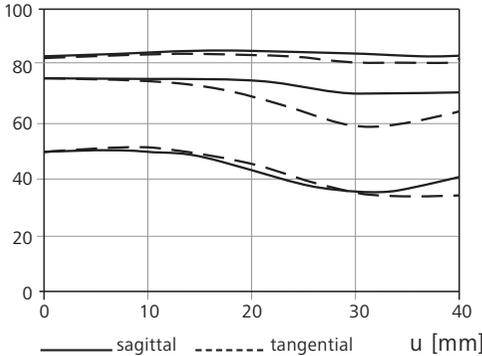
We make it visible.

Makro-Planar T* 4/120 ZV

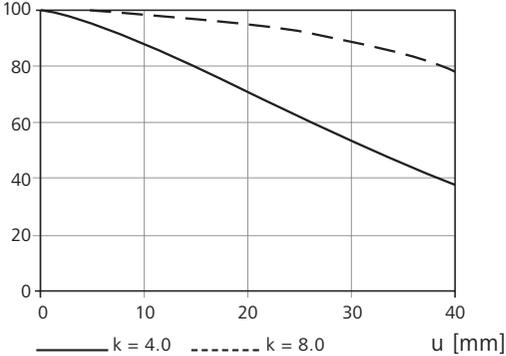
Performance data

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.

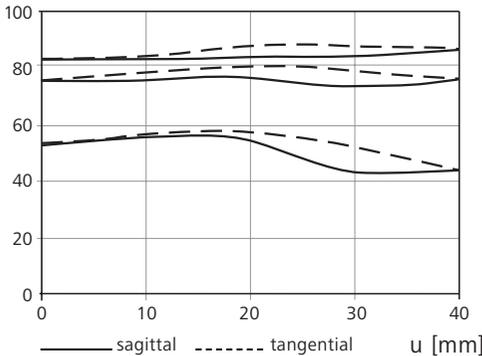
T [%], f-number: k = 4.0



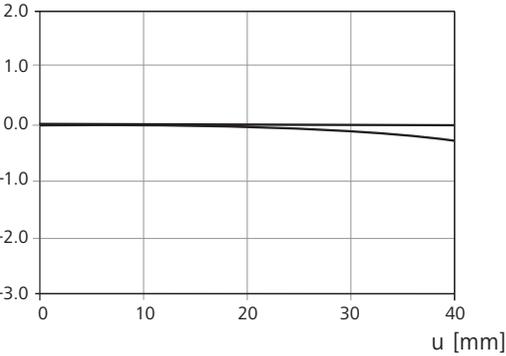
E [%], Relative illuminance



T [%], f-number: k = 8.0



V Distortion in % of image height



Subject to change.

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