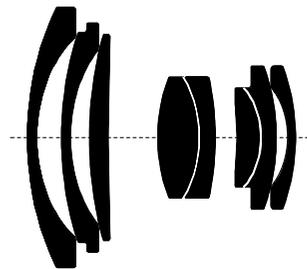
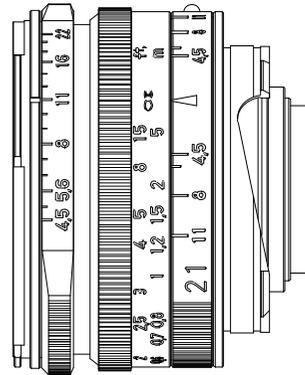


# C Biogon T\* 4,5/21 ZM

The Super Wide Built for Traveling

The C Biogon T\* 4,5/21 ZM is an exceptionally compact and unique super wide-angle lens. Like its classic predecessor from 1952, the optical performance is stellar and destined to make the same history.

Updated with the most recent high performance optical glass types and the Carl Zeiss quality assurance methods, the image quality exceeds that of today's best color films and exhibits virtually no distortion. The 4,5/21 ZM has a filter size of only E46 and is remarkably small and lightweight, making it the ideal super wide-angle for traveling.



## Technical Specification

Focal length: 21 mm

Aperture range: f/4.5 – f/22

No. of elements / groups: 8 / 6

Focusing range: 0.5 m – infinity

Image ratio at close range: 1 : 20

Coverage at close range: 48 cm x 72 cm

Angular field, diag./horiz./vert.: 90° / 80° / 58°

Position of the entrance pupil: 18 mm behind the front lens

Filter: M46 x 0,75

Weight: 190 g

Length: ø 53 mm, Length 31 mm

February 2007. Subject to change.

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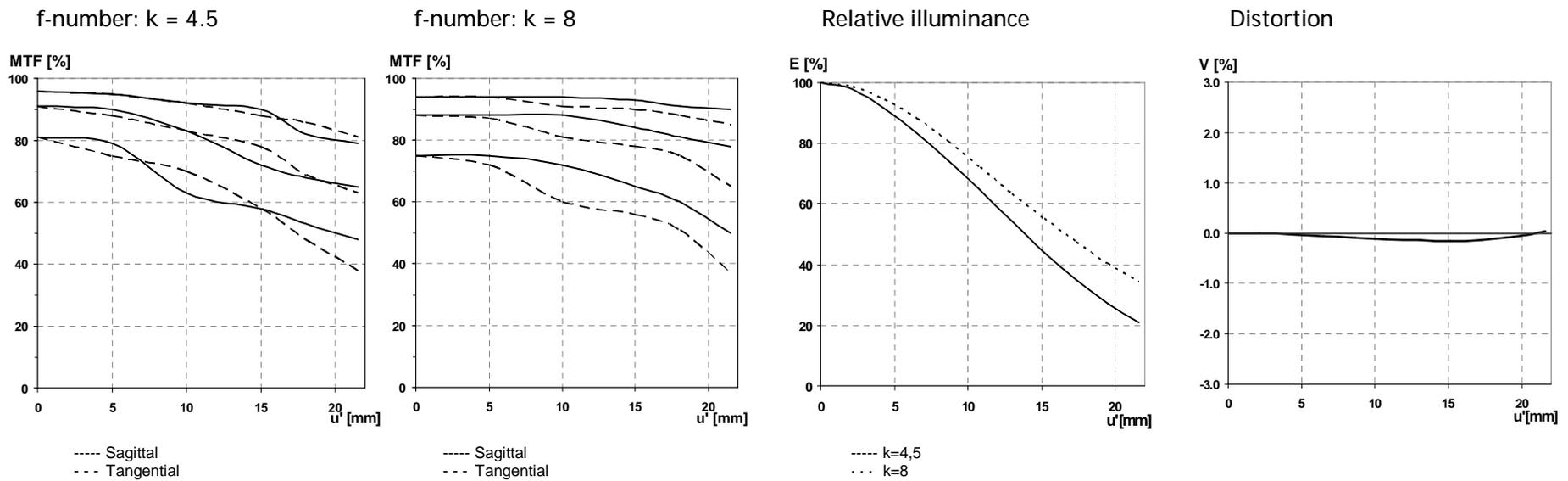


We make it visible.

# C Biogon T\* 4,5/21 ZM

## Performance data

Modulation transfer T as a function of the image height and slit orientation:  
White light. Spatial frequencies R=10, 20 und 40 cycles/mm.



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