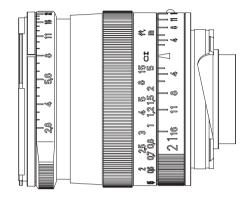
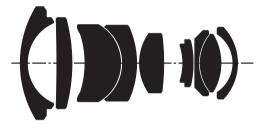
## **Biogon T\* 2.8/21 ZM**

### The expert for confined spaces and super-wide angle photography

This lens provides image quality clearly beyond that of any SLR super-wide angle lens. It has been especially designed for super-wide angle documentation photography requiring an extremely high resolving power. Tiny details can be captured with unparalleled crispness and accuracy, while distortion is virtually non-existent. Demanding interiors can be photographed as easily and quickly as never before. This lens opens up new horizons and is ideal for extreme landscapes, dynamic architecture and demanding interiors.





#### **Technical Specification**

Focal length: 21 mm

Aperture range: 2.8-22

No. of elements/groups: 9/7

Focusing range: 0.5 m-infinity

Image ratio at close range: 1:21

Coverage at close range: 47 cm x 71 cm

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

**Filter:** M 46 x 0.75

Weight: 300 g

Length: 64 mm

Cat. No. silver: 30 82021

Cat. No. black: 30 82022

Subject to change.

Carl Zeiss AG

Camera Lens Division 73446 Oberkochen Germany Tel: +49 73 64 20-6175 Fax: +49 73 64 20-40 45 E-Mail: photo@zeiss.de www.zeiss.de/photo



# **Biogon T\* 2.8/21 ZM**

#### **Performance data**

Modulation transfer T as a function of image height and slit orientation: sag \_\_\_\_\_ tan \_\_\_\_

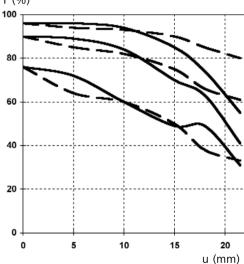
White light. Spatial frequencies R = 10, 20 and 40 cycles/mm.

Distortion in % of image height

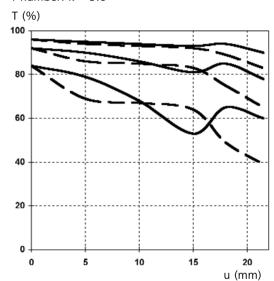
2,0 10 15 u (mm)

f-number: k = 2.8

T (%)

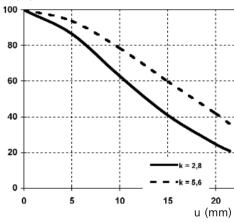


f-number: k = 5.6



Relative illuminance





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We make it visible.