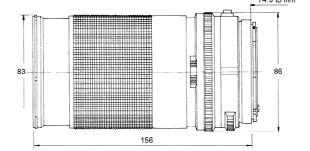
# Tele-Tessar® T\* 4/250 FE





### HASSELBLAD

There are not many telephoto lenses in medium format worldwide that are faster than the

Tele-Tessar® T\* 4/250 FE lens. Due to the **Tele-Tessar**<sup>®</sup> lens design the weight of this lens could be kept considerably below 1 kg. Thus the Tele-Tessar® T\* 4/250 FE lens is lightweight and portable and can be easily used hand-held. The large aperture supports fast and positive focusing and the optical quality allows the lens to beused wide open.

Thus the **Tele-Tessar®** T\* 4/250 FE lens is a very interesting lens for editorial work, theatrical and stage photography, portraits of musicians in concert, and scenic landscapes with emotion. Preferred use: editorial, fashion, weddings, theatrical and stage photography, portraits, scenic landscapes

Cat. No. of lens 10 45 40 Number of elements 5 Number of groups 5 Max. aperture f/4 Focal length 245.6 mm Negative size 55 x 55 mm

width 13°, height 13°, Angular field

diagonal 18°

Min. aperture 32 Camera mount FΕ

bayonett, B 77 Filter connection Focusing range infinity to 2.5 m Working distance (between mechanical front end of

lens and subject) 2.3 m Close limit field size 421 mm x 421 mm

Max. scale 1:7.7

Entrance pupil

157.0 mm behind the first lens vertex Position

Diameter 61.5 mm

Exit pupil

Position 32.9 mm in front of the last lens vertex

Diameter 29.4 mm

Position of principal planes

114.7 mm in front of the first lens vertex

161.9 mm in front of the last lens vertex

Back focal distance 83.7 mm Distance between first

and last lens vertex 144.6 mm Weight 920 g



## Performance data:

# Tele-Tessar® T\* 4/250 FE

Cat. No. 10 45 40

### 1. MTF Diagrams

The image height u - calculated from the image center - is entered in mm on the horizontal axis of the graph. The modulation transfer T (MTF = M odulation Transfer Factor) is entered on the vertical axis. Parameters of the graph are the spatial frequencies R in cycles (line pairs) per mm given at the top of this page.

The lowest spatial frequency corresponds to the upper pair of curves, the highest spatial frequency to the lower pair. Above each graph, the f-number k is given for which the measurement was made. "White" light means that the measurement was made with a subject illumination having the approximate spectral distribution of daylight. Unless otherwise indicated, the performance data refer to large object distances, for which normal photographic lenses are primarily used.

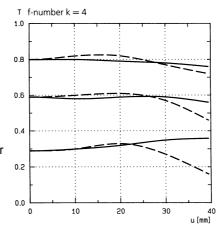
### 2. Relative illuminance

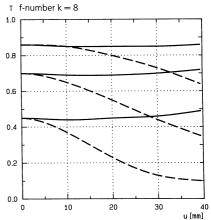
In this diagram the horizontal axis gives the image height u in mm and the vertical axis the relative illuminance E, both for full aperture and a moderately stopped-down lens. The values for E are determined taking into account vignetting and natural light decrease.

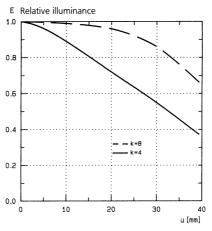
### 3. Distortion

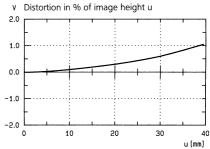
Here again the image height u is entered on the horizontal axis in mm. The vertical axis gives the distortion V in % of the relevant image height. A positive value for V means that the actual image point is further from the image center than with perfectly distortion-free imaging (pincushion distortion); a negative V indicates barrel distortion.

Modulation transfer T as a function of image height u. Slit orientation: tangential ——— sagittal —— White light. Spatial frequencies  $R=10,\,20$  and 40 cycles/mm









Subject to change.
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Carl Zeiss
Photoobjektive
D-73446 Oberkochen
Telephone (07364) 20-6175
Fax (07364) 20-4045
eMail: photo@zeiss.de
http://www.zeiss.de