

XCD 2,8-4/35-100E

DATASHEET

GENERAL LENS DATA

Focal Length	36-97mm
Equivalent Focal Length (24x36)	28-76mm
Aperture Range	f/2.8-f/32 (f/4-f/32)
Angle of View (diag/hor/vert)	76°/64°/50° (31°/25°/19°)
Length/Diameter	138 (178)/90mm
Length (from camera lens mount flange)	133 (173)mm
Weight (excl. caps and lens shade)	894g
Filter Diameter	86mm

CLOSE FOCUS RANGE DATA

Minimum distance object to image plane	0.4 (0.5)m
Maximum image scale	1:8.0 (1:4.0)
Corresponding area of coverage	35×26 (18×13)cm
Corresponding exposure reduction	0 (0)f-stops

COMPATIBILITY

- Hasselblad X System cameras & 907X cameras

LENS DESIGN

- 16 elements in 13 groups
- 3 aspherical element
- 5 extra-low dispersion elements



FOCUS TYPE

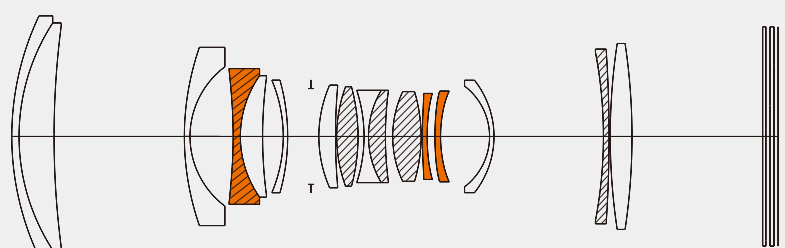
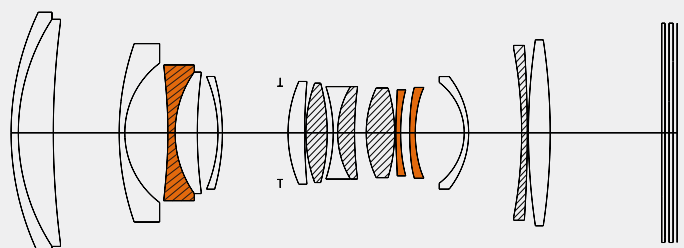
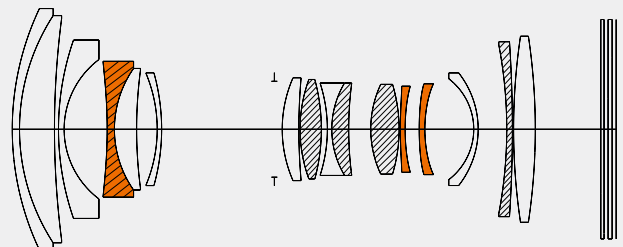
Internal focusing

ENTRANCE PUPIL POSITION

- @35mm: 111mm in front of image plane
- @100mm: 95mm in front of image plane

The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.

-  : Aspherical Lens elements
-  : ED Lens elements



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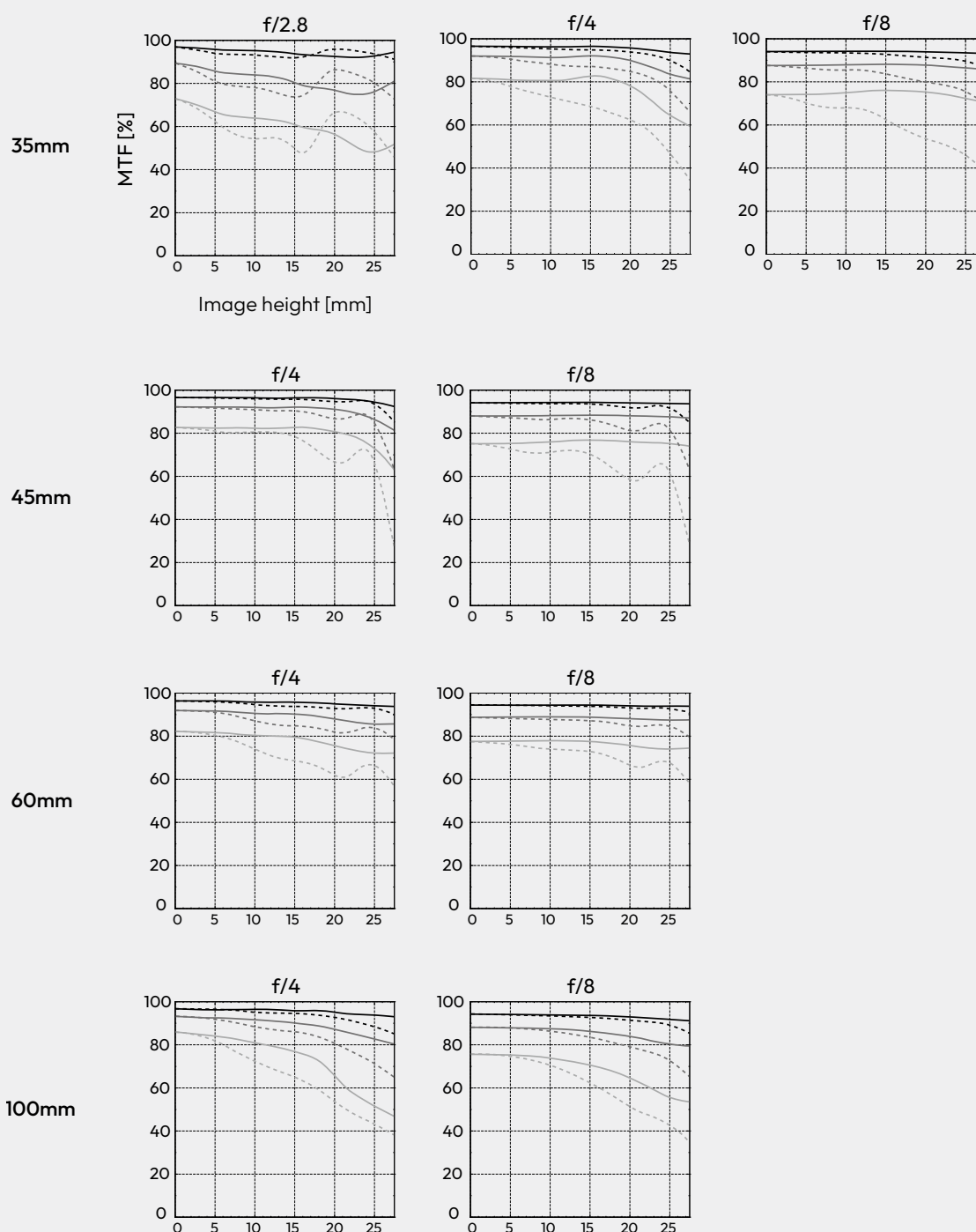
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MTF

Modulation Transfer as a function of image height at infinity setting.

Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm.

MTF plot data includes diffraction.



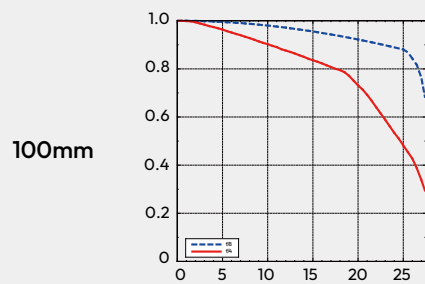
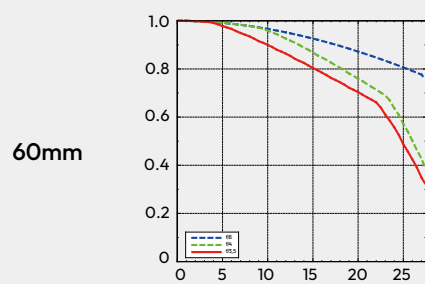
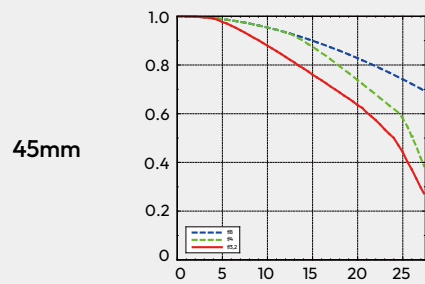
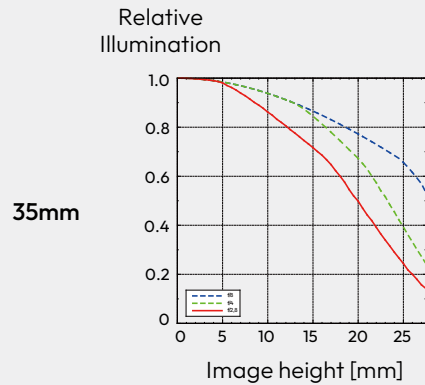
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RELATIVE ILLUMINATION

Infinity setting.

When images are imported to Phocus, light fall-off is automatically removed.



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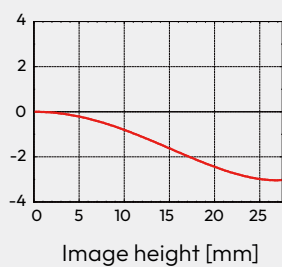
DISTORTION

Infinity setting.

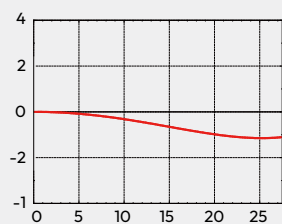
When images are imported to Phocus, distortion is automatically removed.

Distortion [%]

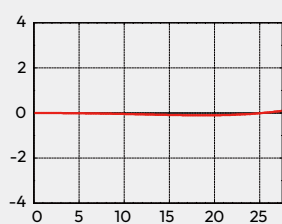
35mm



45mm



60mm



100mm

