

XCD 3,5-4,5/35-75MM

Delivering the same superb image quality from edge to edge as the XCD prime lenses, the XCD 3,5-4,5/35-75 Zoom Lens is an extremely high performance, compact mid-range zoom that covers moderate wide angle to short telephoto focal lengths. Its internal focusing keeps the lens' dimensions constant, delivers quick autofocus and additionally keeps the overall weight

down. This lens is ideal for photographers who are looking to keep the amount of equipment they carry when travelling to a minimum but don't want to compromise on image quality. Like the rest of the XCD lens range, the XCD 35-75 features an integral central lens shutter, offering exposure times from 68 minutes to 1/2000s with full flash synchronisation throughout.

GENERAL LENS DATA

Focal length	35.9 (73.1) mm
Equivalent Focal length (24x36)	28 (58) mm
Aperture range	3,5 - 32 (4,5 - 32)
Angle of view diag/hor/vert	77°/64°/50° (41°/33°/25°)
Length/diameter	145 / 85 mm
Weight (excl. covers and lens shade)	1115 g
Filter diameter	77 mm
Product number:	
CP.HB.00000418.01	

CLOSE FOCUS RANGE DATA

Minimum distance object to image plane	0.42 / (0.6 m)
Maximum image scale	1:8.5 / (1:6.5)
Corresponding area of coverage	37 x 28 cm (28 x 21 cm)
Corresponding exposure reduction	0 (0) f-stops

COMPATIBILITY

- Hasselblad X1D cameras



LENS DESIGN

15 elements in 13 groups
2 Aspherical elements

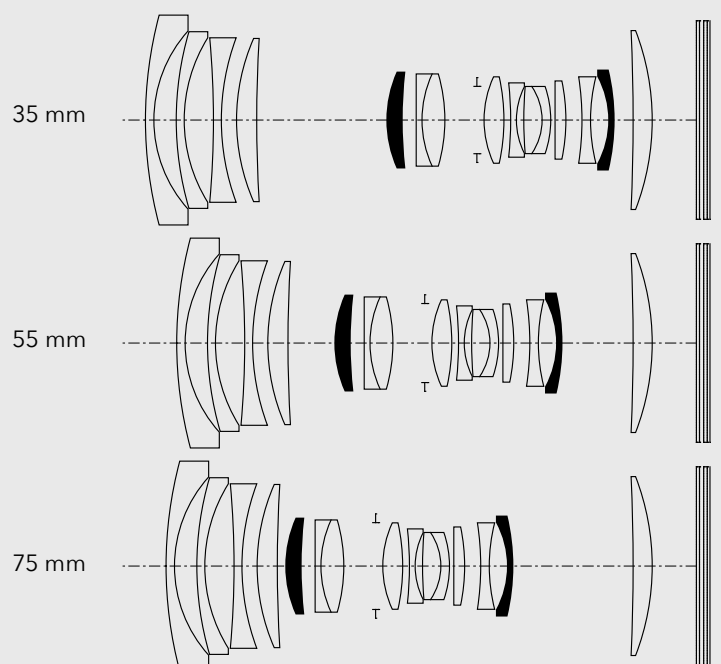
FOCUS TYPE

Internal focusing

ENTRANCE PUPIL POSITION

@35mm: 120 mm in front of image plane
@55mm: 115 mm in front of image plane
@75mm: 121 mm 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.



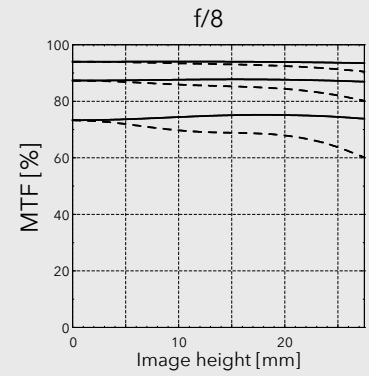
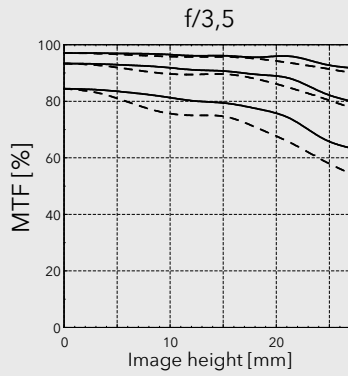
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MTF

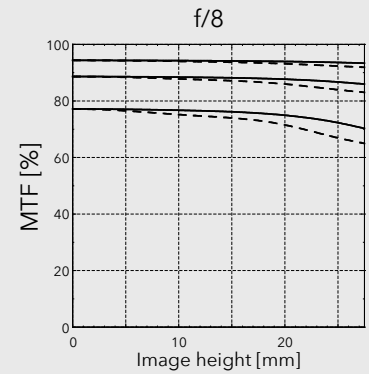
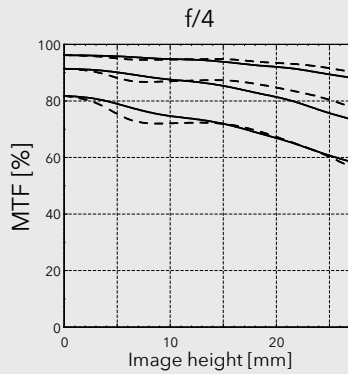
Modulation Transfer as a function of image height at infinity setting.

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

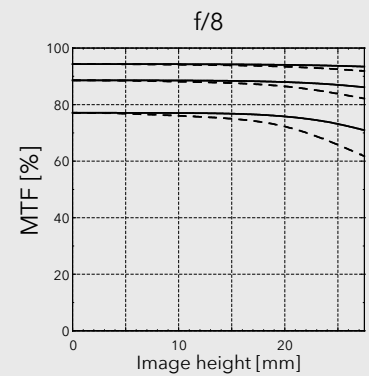
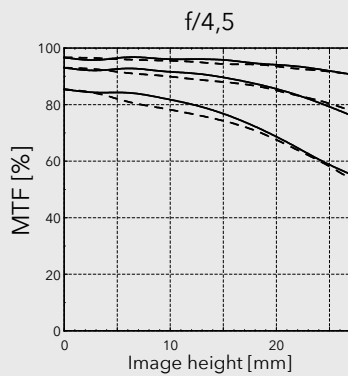
35 mm



55 mm



75 mm



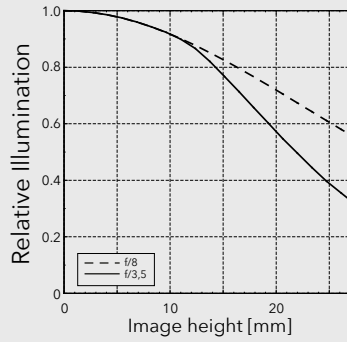
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RELATIVE ILLUMINATION

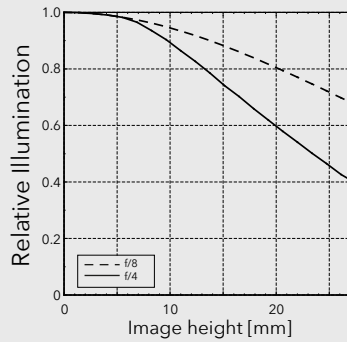
Infinity setting.

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

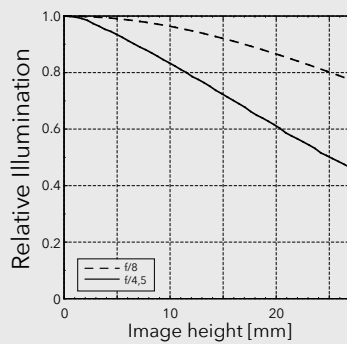
35 mm



55 mm



75 mm



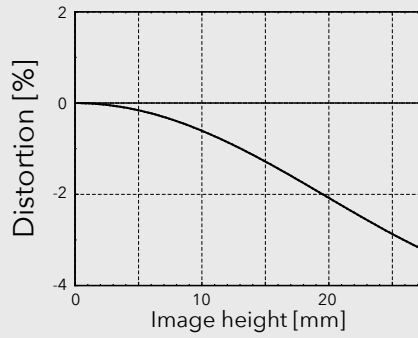
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DISTORTION

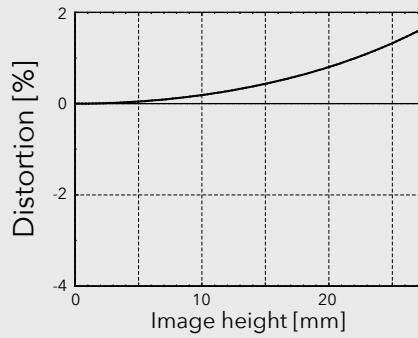
Infinity setting.

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

35 mm



55 mm



75 mm

