XCD 3,2-4,5/20-35E

The XCD 3,2-4,5/20-35E is Hasselblad's X system wide angle zoom. Offering Hasselblad's widest angle of view, its focal length range provides a 16 to 27mm full frame equivalency, making it perfect for landscape, as well as interior and architectural photography. As part of the XCD lens range, its functionality perfectly complements the compact X system and 907X camera bodys. The XCD 3,2-4,5/20-35E lens has an updated integral central shutter offering a shutter speed range of 68 minutes to 1/2000th second, with flash synchronisation up to 1/2000th second.

GENERAL LENS DATA

Focal length	20 (35) mm
Equivalent focal length (24×36)	16 (27) mm
Aperture range	3,2-32 (4,5-32)
Angle of view diag/hor/vert	108°/96°/79° (76°/65°/51°)
Length/diameter	117/81mm
Length (from camera lens mount flange)	112mm
Weight (excl. covers and lens shade)	805g
Filter diameter	77mm
Product number	CP.HB.00000792.01



CLOSE FOCUS RANGE DATA

Minimum distance object to image plane	0,32m
Maximum image scale	1:10,6 (1:6,4)
Corresponding area of coverage	47×35cm (28×21cm)
Corresponding exposure reduction	0 (0) f-stops

COMPATIBILITY

- Hasselblad X System & 907X cameras

LENS DESIGN

16 elements in 12 groups
3 aspherical elements
4 Extra low dispersion elements

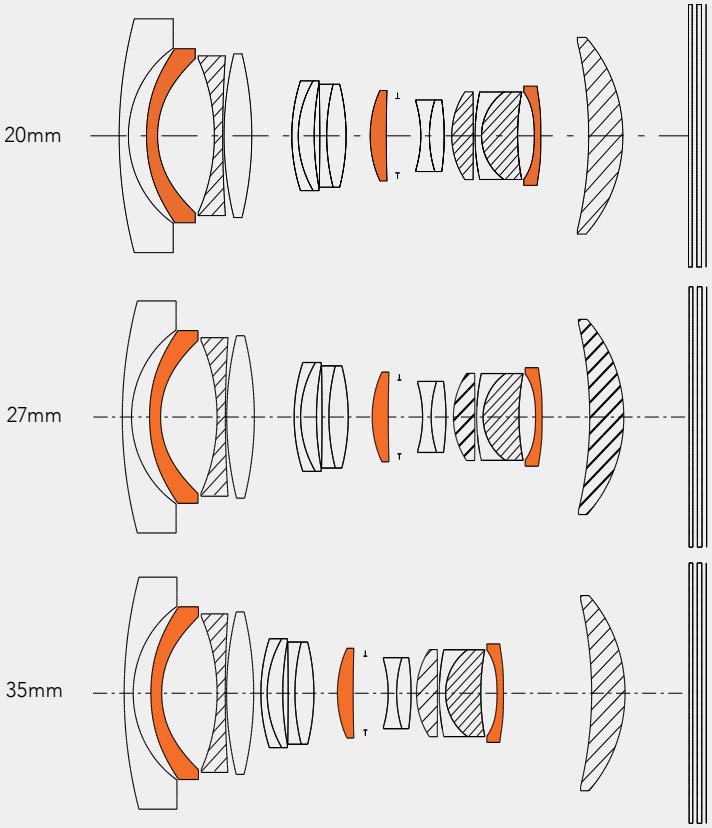
FOCUS TYPE

Internal focusing

ENTRANCE PUPIL POSITION

@20mm: 109mm in front of image plane
@35mm: 111mm 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

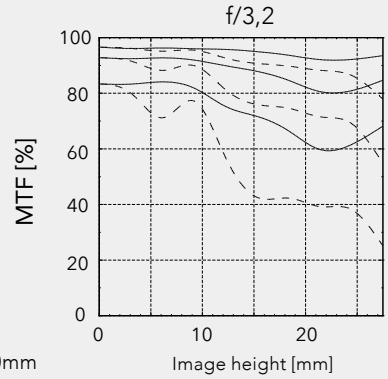
XCD 3,2-4,5/20-35E

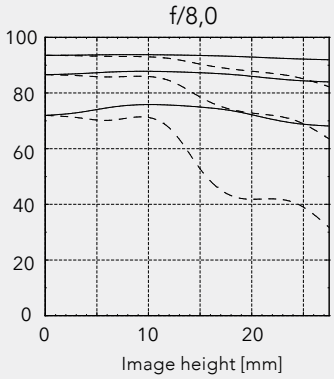
MTF

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

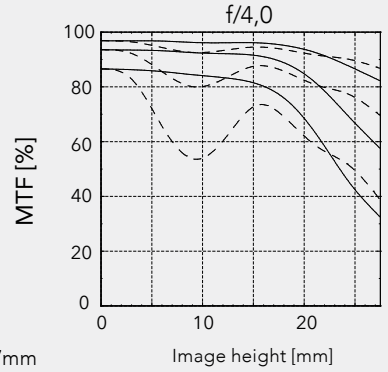
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm.

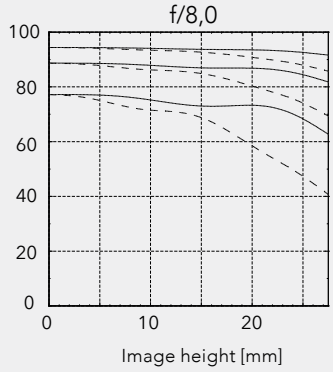
20mm



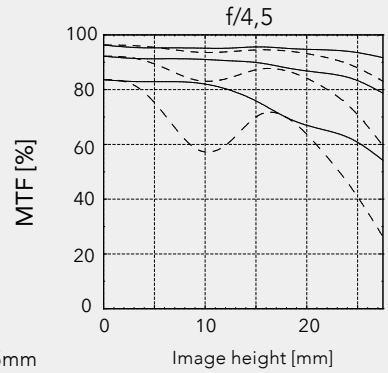


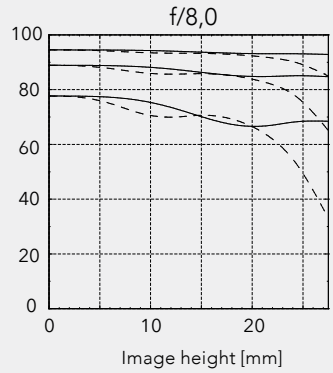
27mm





35mm



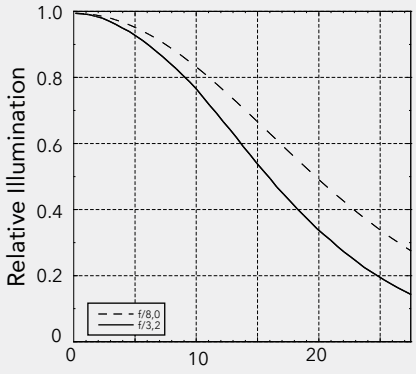


XCD 3,2-4,5/20-35E

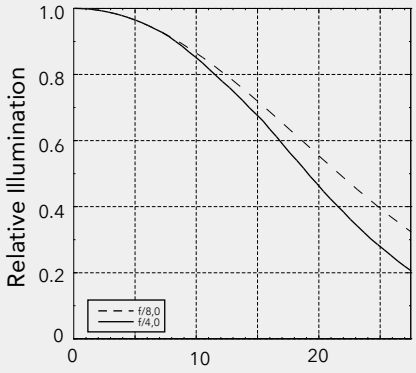
RELATIVE ILLUMINATION

Infinity setting.

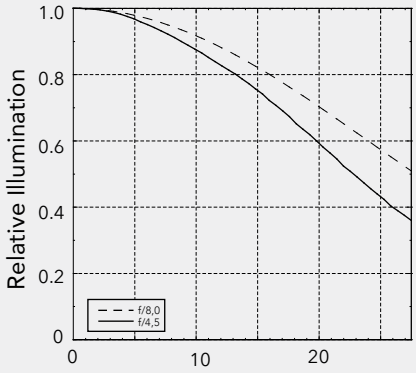
When images are imported to Phocus, light fall-off is automatically removed.



20mm



27mm



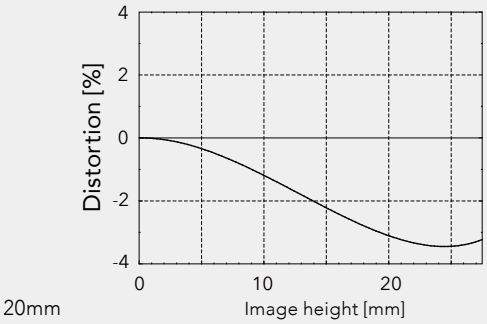
35mm

XCD 3,2-4,5/20-35E

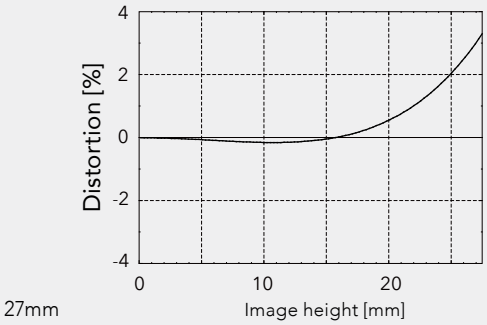
DISTORTION

Infinity setting.

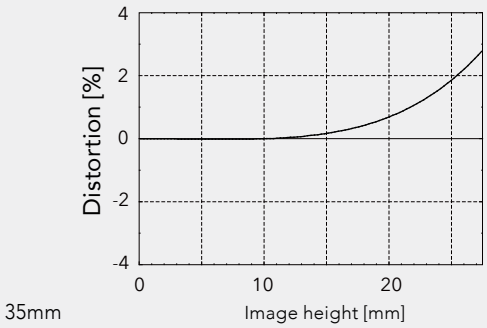
When images are imported to Phocus, distortion is automatically removed.



20mm



27mm



35mm