

HASSELBLAD HC 3.5/50-II

General lens data:

Focal length	50.7 mm
Equivalent focal length with 36×48 format	57.6 mm
Equivalent 35mm focal length	31.4 mm
Aperture range	3.5 - 32
Angle of view diag/hor/vert 645 format	70°/59°/46°
Length/diameter	116 mm/85 mm
Weight	975 g
Filter diameter	77 mm

Close focus range data:

Minimum distance object to film	0.6 m
Maximum image scale	1:8.8
Corresponding area of coverage	49 × 37 cm
Corresponding exposure reduction	0 f-stop



Lens design

11 elements in 7 groups

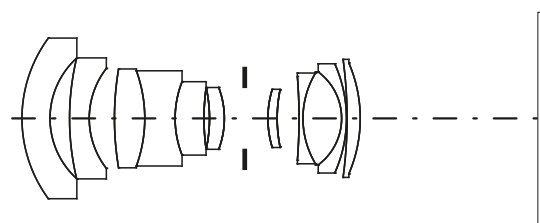
Focus type

Rear focusing

Entrance pupil position

134 mm in front of the image plane (at infinite focus setting)

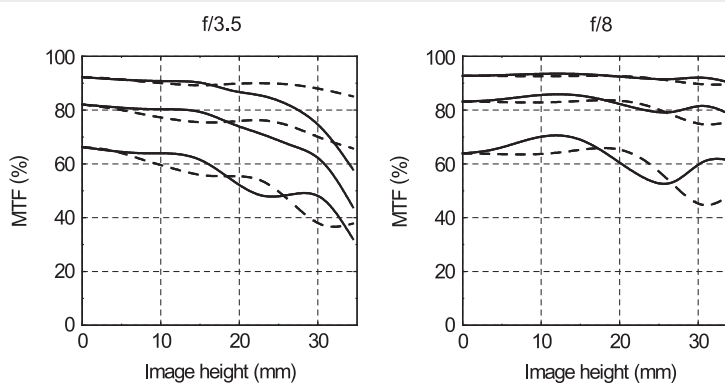
The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



MTF

Modulation Transfer as a function of image height at infinite focus setting.

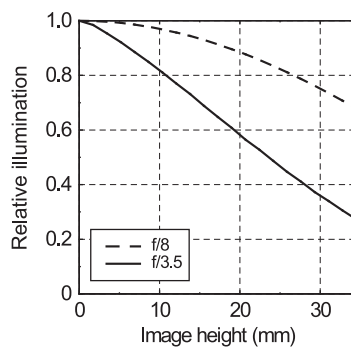
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm.



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Relative illumination

Infinity setting



Distortion

Infinity setting

