

HCD 3,5/50-II

An all-round, versatile lens, incorporating a moderate wide-angle effect, and featuring advanced optical design with rear focus mechanism. Corner-to-corner illumination is very even at all aperture settings, and distortion and stray light are extremely well controlled.

GENERAL LENS DATA

Focal length	50,7mm
Equivalent 35mm focal length ¹	34,2 mm
Aperture range	3,5 - 32
Angle of view diag/hor/vert 53,4 x 40 format	67°/56°/44°
Angle of view diag/hor/vert 44 x 33 format	57°/47°/36°
Length/diameter	116 mm/85 mm
Weight	975 g
Filter diameter	77 mm

¹ Horizontal coverage between 53,4 x 40 and 36 x 24 compared

CLOSE FOCUS RANGE DATA

Minimum distance object to film	0.60 m
Maximum image scale	1:8,8
Corresponding area of coverage	47 × 35 cm
Corresponding exposure reduction	0 f-stop



LENS DESIGN

11 elements in 7 groups

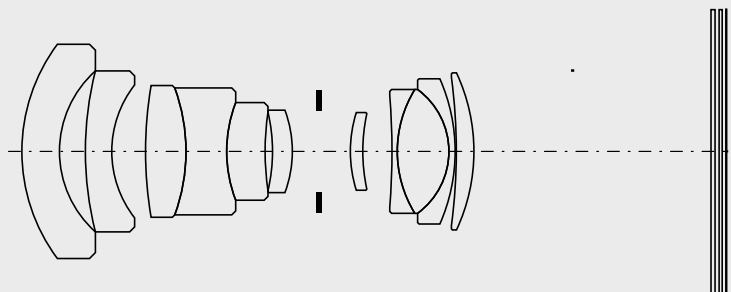
FOCUS TYPE

Rear focusing

ENTRANCE PUPIL POSITION

134 mm in front of the film 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.

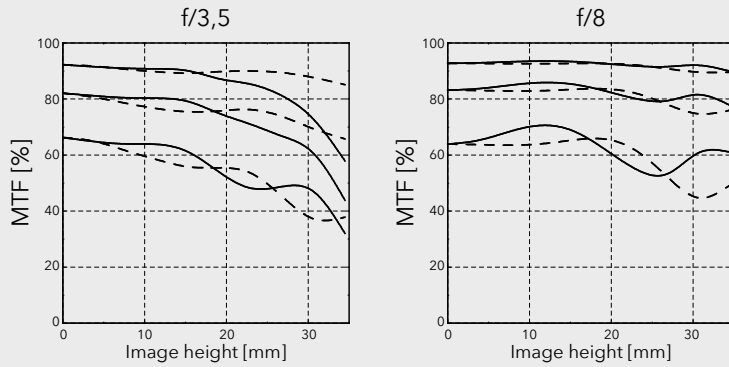


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MTF

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

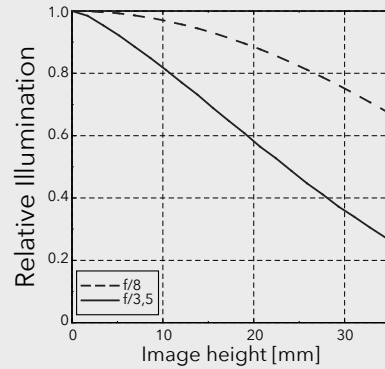
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



RELATIVE ILLUMINATION

Infinity setting

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



DISTORTION

Infinity setting

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

