

HCD 2,8/80

The 80mm is the standard lens for the H system. The high-performance design ensures great colour correction, a flat image plane, and low distortion. The large aperture facilitates photography in poor light and provides a bright viewfinder image. A lens suited for almost any task in general photography.

GENERAL LENS DATA

Focal length	82,3mm
Equivalent 35mm focal length ¹	55,5mm
Aperture range	2,8 - 32
Angle of view diag/hor/vert 53,4 x 40 format	45°/36°/28°
Angle of view diag/hor/vert 44 x 33 format	37°/30°/23°
Length/diameter	70 mm/84 mm
Weight	475 g
Filter diameter	67 mm

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

CLOSE FOCUS RANGE DATA

Minimum distance object to film	0.70 m
Maximum image scale	1:6,5
Corresponding area of coverage	35 x 26 cm
Corresponding exposure reduction	0.3 f-stop



LENS DESIGN

6 elements in 6 groups

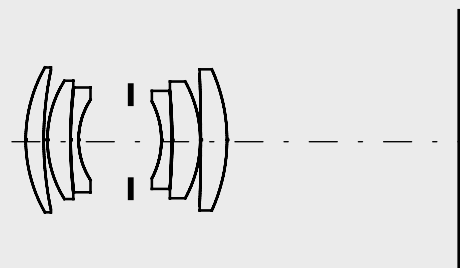
FOCUS TYPE

Full focusing

ENTRANCE PUPIL POSITION

79 mm in front of the film plane
(at infinite focus setting)

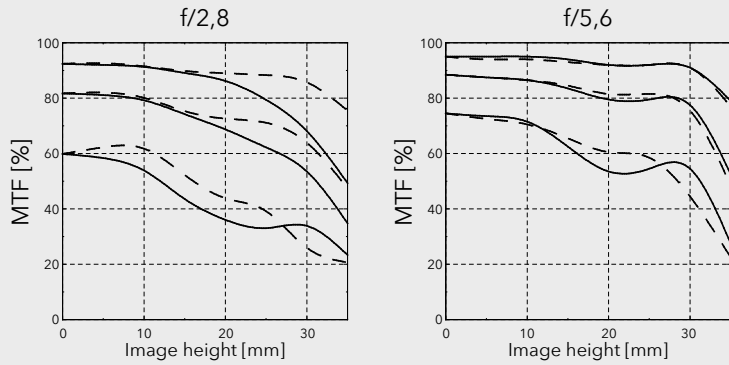
The entrance pupil position is the correct position of the axis of rotation when making a panorama image by combining individual images of a scene.



MTF

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

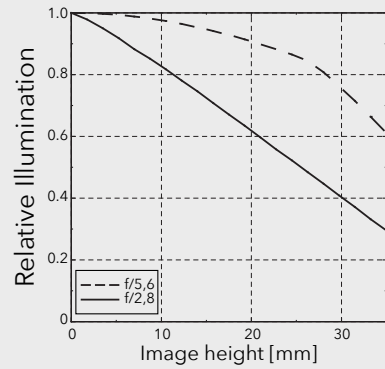
Sagittal slit orientation drawn with continuous line and tangential with dashed. White light. Spatial frequencies 10, 20 and 40 lp/mm



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.

