# HC MACRO 4/120-II

The 120mm Macro has exceptionally high performance making it a very versatile lens not only for close-up work but general applications too where a slightly longer lens is required.

## GENERAL LENS DATA

Focal length	118,7mm
Equivalent 35mm focal length <sup>1</sup>	80mm
Aperture range	4 - 45
Angle of view diag/hor/vert 53,4 x 40 format	32°/26°/20°
Angle of view diag/hor/vert 44 x 33 format	26°/21°/16°
Length/diameter	166 mm/96 mm
Weight	1410 g
Filter diameter	67 mm

 $^{\rm 1}$  Horizontal coverage between 53,4 x 40 and 36 x 24 compared

### **CLOSE FOCUS RANGE DATA**

Minimum distance object to film	0.39 m
Maximum image scale	1:1
Corresponding area of coverage	53 × 40 cm
Corresponding exposure reduction	1.3 f-stop



## LENS DESIGN

9 elements in 9 groups

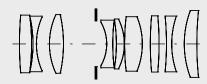
#### FOCUS TYPE

Front focusing

## ENTRANCE PUPIL POSITION

68 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.

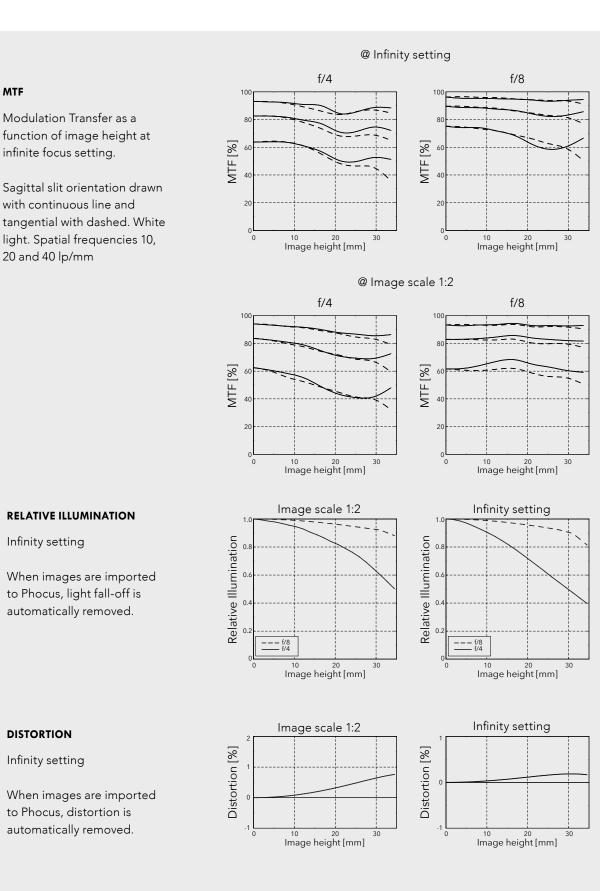


DATASHEET

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MTF

DATASHEET



#### Specification subject to change without notice.