



LEICA **VARIO-ELMARIT-SL** 24-70 f/2.8 ASPH.

Technical Data.



Lens	Leica Vario-Elmarit-SL 24-70 f/2.8 ASPH.
Order Number Black, anodized	11 189
View angle (diagonal/horizontal/vertical) Full-frame (24 × 36 mm)	24 mm: 82.3°/72.1°/51.8° 70 mm: 35.3°/29.6°/20.0°
Lens system	
Number of lenses/assemblies	19/15
Number of aspherical surfaces	6
Position of the entrance pupil before the bayonet	24 mm: 88,6 mm 70 mm: 57,1 mm
Focus range	24 mm: 0,18 m bis unendlich 70 mm: 0,38 m bis unendlich
Focusing	
Setting	Choose automatic (Autofocus) or manual mode on the camera
Smallest object field	Full-frame: 24 mm: 69 mm x 104 mm 70 mm: 108 mm x 162 mm
Largest scale	24 mm: 1:2,9 70 mm: 1:4,5
Aperture	
Setting/Function	Electronically controlled aperture, setting on the camera, half or third values can also be set
Smallest aperture	22
Bayonet	Leica L bayonet fitting with contact strip
Filter thread	E82
Lens hood	External bayonet fitting for lens hood (included)
Dimensions	
Length	approx. 123/153 mm (without/with lens hood)
Diameter	approx. 88/97 mm (without/with lens hood)
Weight	approx. 856/906 g (without/with lens hood)

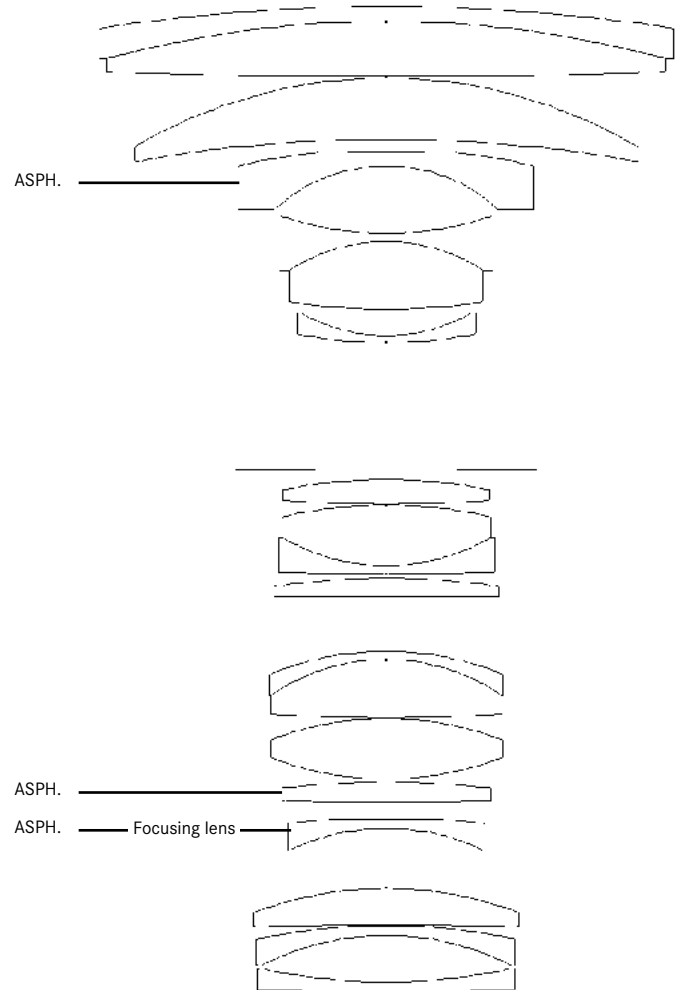


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TECHNICAL DRAWING



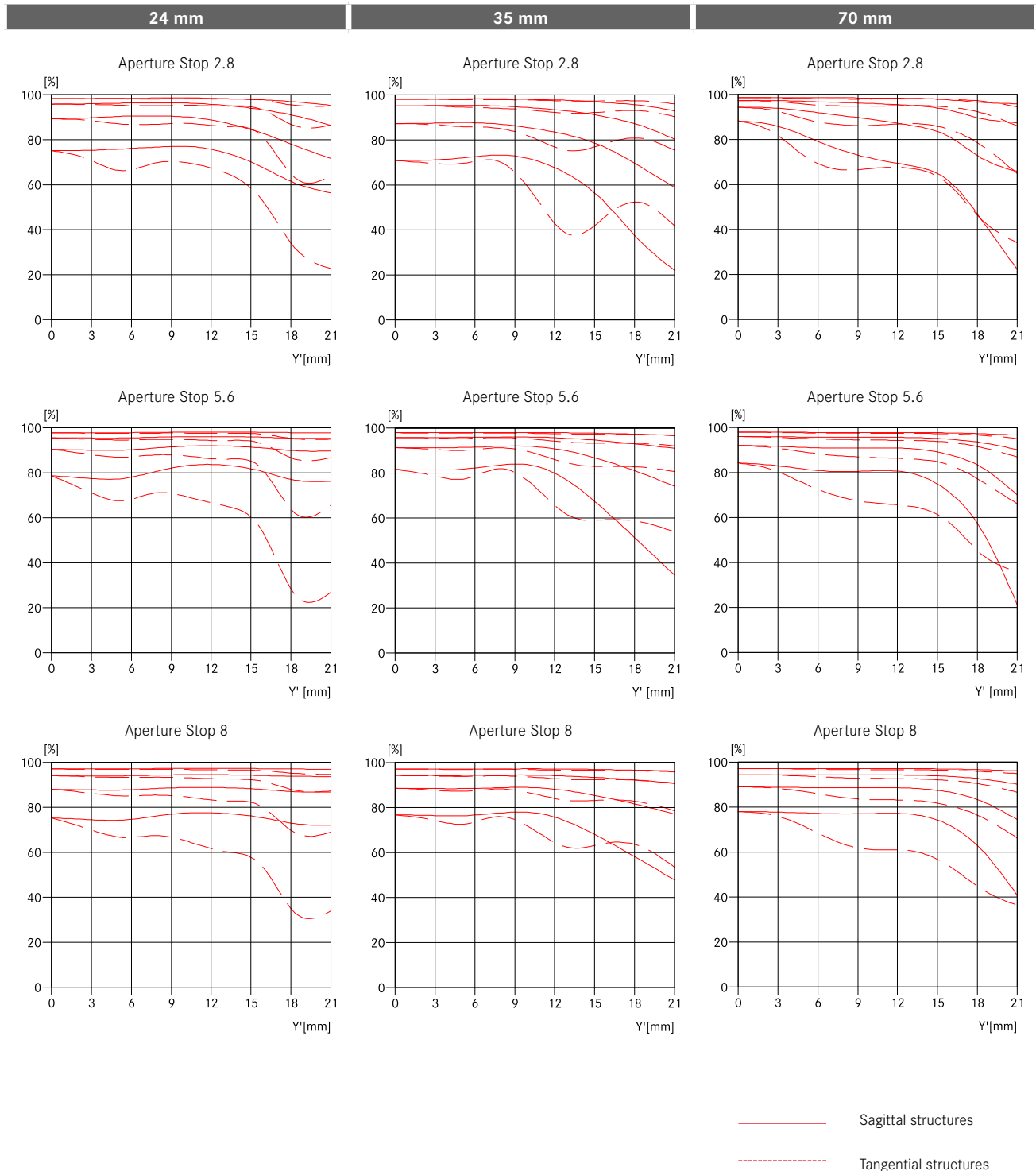
LENS CUT





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MTF DIAGRAMS



MTF CURVES

The MTF is shown in each case for the max. aperture, as we as for 5.6 and 8 for long focus distances (infinity). The contrast is plotted in percentages for 5, 10, 20, 40 lines/mm over the height of the format for tangential (dashed line) and sagittal structures (continuous line) for white light. The plots for 5 and 10 lines/mm offer an impression of the contrast behavior for coarser object structures, while the 20 and 40 lines/mm plots document the resolution capability for fine and finest object structures.