LEICA **VARIO-ELMAR-SL** 100-400 f/5-6.3

Technical Data.

Lens	**LEICA VARIO-ELMAR-SL 100-400 f/5-6.3**
Order No.	
Black, anodized	11 191
View angle (diagonal/horizontal/vertical)	
Full-frame (24 x 36 mm)	**100 mm:** 23.8°/19.9°/13.3° | **400 mm:** 6.4°/5.3°/3.5°
Lens system	
Number of lenses/assemblies	22/16
Position of the entrance pupil before the bayonet	**100 mm:** 106 mm | **400 mm:** 479.9 mm
Focus range	**100 mm:** 1.10 m to ∞ | **400 mm:** 1.59 m to ∞
Focusing	
Setting	Choose automatic (Autofocus) or manual mode on the camera
Smallest object field	Full-frame: **100 mm:** 224 mm x 335 mm | **400 mm:** 98 mm x 148 mm
Largest scale	**100 mm:** 1:9.3 | **400 mm:** 1:4.1
Diaphragm	
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
Firmware	Lens firmware can be updated via the camera
Coating	Hydrophobe Aqua-Dura® coating on external lenses
Material	Magnesium and aluminum full-metal housing, black anodized, dust and splash water protected
Housing	The lens comes equipped with a tripod clamp and detachable tripod shoe. Only this specific tripod clamp must be used for shoots with tripod to avoid damage to the bayonet of the camera.
Filter thread	E82
Lens hood	Male bayonet for lens hood (included in the scope of delivery)
Dimensions	
Length	Approx. 198 mm/253 mm (without/with lens hood)
Diameter	Approx. 88 mm/97 mm (without/with lens hood)
Weight	Approx. 1530 g/1620 g (without/with lens hood)

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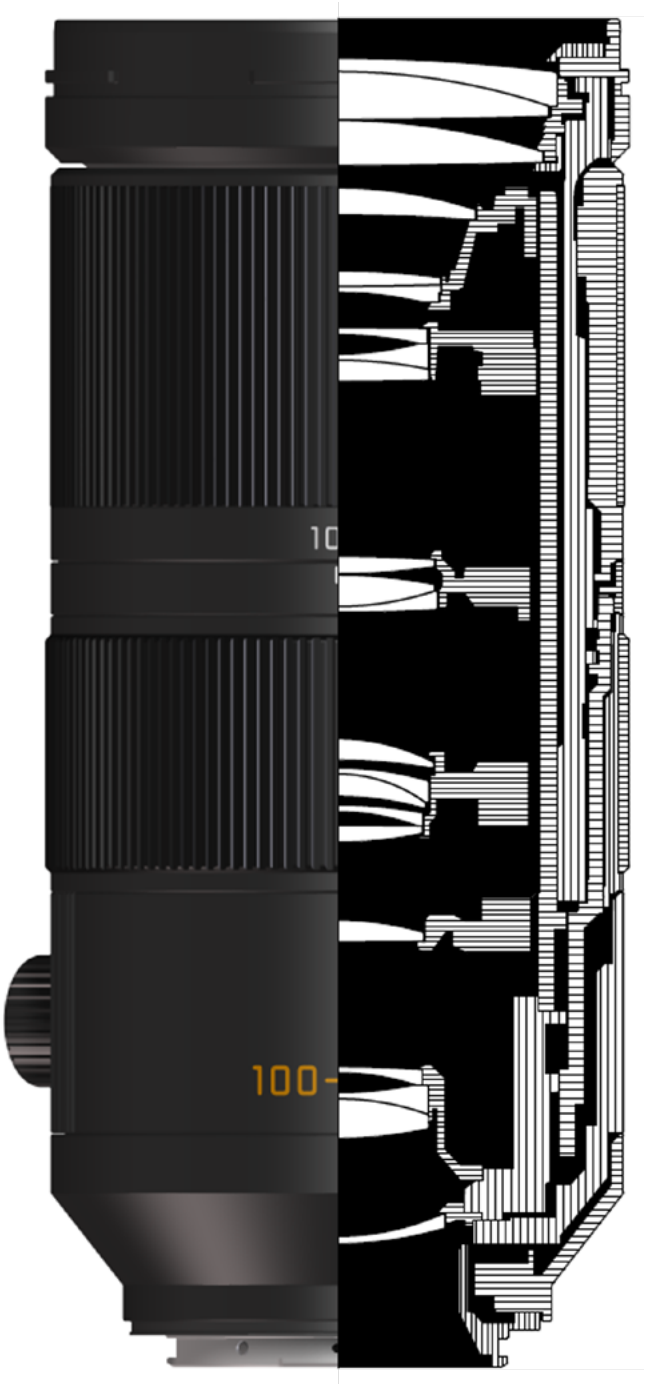
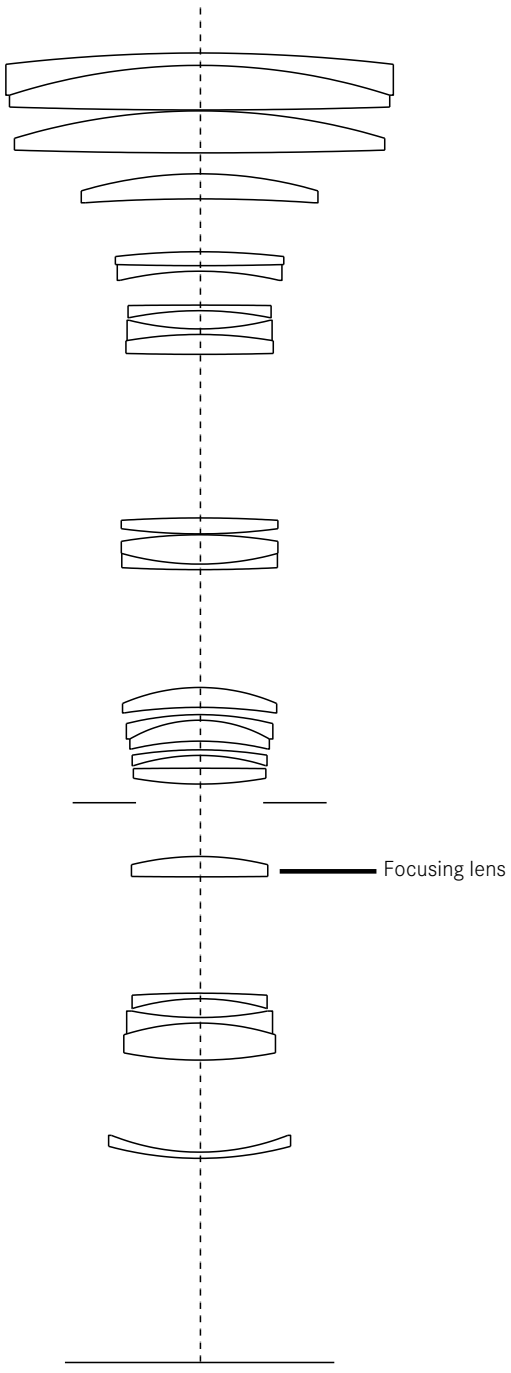
TECHNICAL DRAWING



LENS CUT



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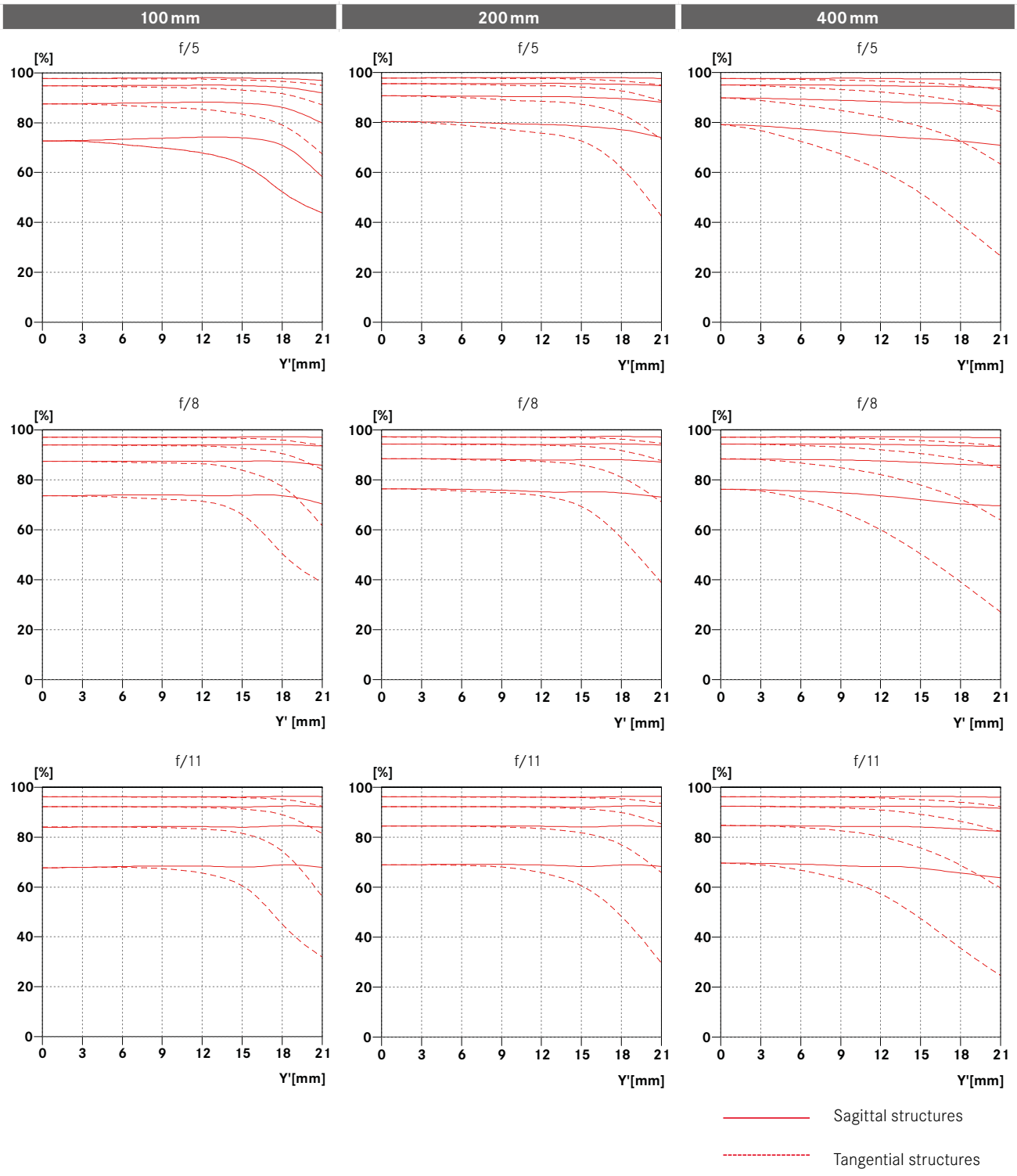
MTF DIAGRAMS



MTF CURVES

The MTF is shown in each case for the max. aperture as well as for 5.6 and 8 for long focus distances (infinity). The contrast is plotted in percentages for 5, 10, 20, 40 Lp/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 Lp/mm offer an impression of the contrast behavior for coarser object structures, while the 20 and 40 Lp/mm plots document the resolution capability for fine and finest object structures.

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