LEICA **APO-MACRO-ELMARIT-SL** 100 f/2.8

Technical Data.

Lens	**Leica APO-Macro-Elmarit-SL 100 f/2.8**
Order No. Black, anodized	 11125
View angle (diagonal/horizontal/vertical) Full-frame (24 x 36 mm)	 22.7°/19.6°/13°
Lens system Number of lenses/groups Position of the entrance pupil before the bayonet Focus range	 17/12 36 mm 0.29 m to ∞
Focusing Setting Smallest object field Largest scale	 Choose automatic (Autofocus) or manual mode on the camera 23.9 mm x 35.9 mm 1:0.997

Exposure compensation macro range

Scale	Distance	Aperture	Exposure compensation
1:13	4.93 ft / 1.5 m	3.13	+0.2 EV
1:8.1	3.29 ft / 1 m	3.25	+0.32 EV
1:7.1	2.96 ft / 0.9 m	3.3	+0.36 EV
1:6.2	2.63 ft / 0.8 m	3.36	+0.42 EV
1:5.2	2.3 ft / 0.7 m	3.45	+0.49 EV
1:4.2	1.97 ft / 0.6 m	3.58	+0.6 EV
1:3.2	1.64 ft / 0.5 m	3.79	+0.76 EV
1:2.2	1.31 ft / 0.4 m	4.21	+1.06 EV
1:1.7	1.15 ft / 0.35 m	4.03	+1.34 EV
1:1	0.968 ft / 0.3 m	5.75	+1.96 EV

The effective aperture is reduced as close focusing distances grow shorter.

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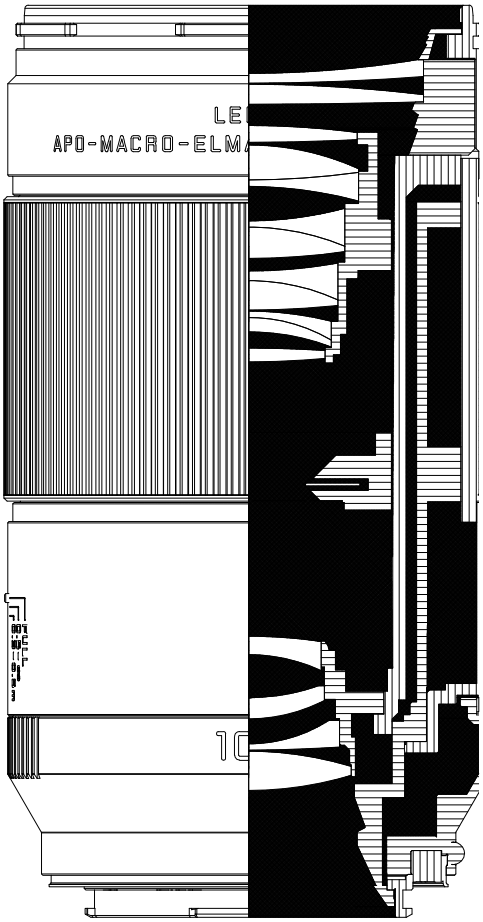
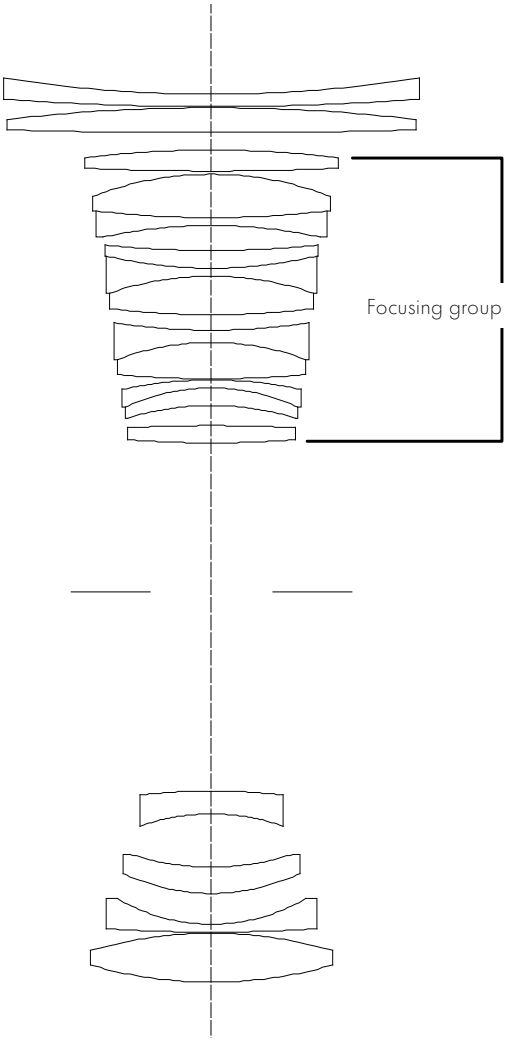
Aperture	
Setting/Function	Electronically controlled aperture, setting on the camera, half or third values can also be set
Smallest aperture	22
Bayonet	Leica L bayonet fitting with contact strip
Firmware	Lens firmware can be updated via the camera
Coating	Hydrophobic Aqua-Dura® coating on external lens
Material	Aluminum full-metal housing, black anodized, dust and splash water protected
Filter thread	E67
Lens hood	Male bayonet for lens hood (included in the scope of delivery)
Dimensions	
Length	Approx. 137 mm/187 mm (without/with lens hood)
Diameter	Approx. 77 mm/82 mm (without/with lens hood)
Weight	Approx. 801 g/862 g (without/with lens hood)

TECHNICAL DRAWING



LENS CUT



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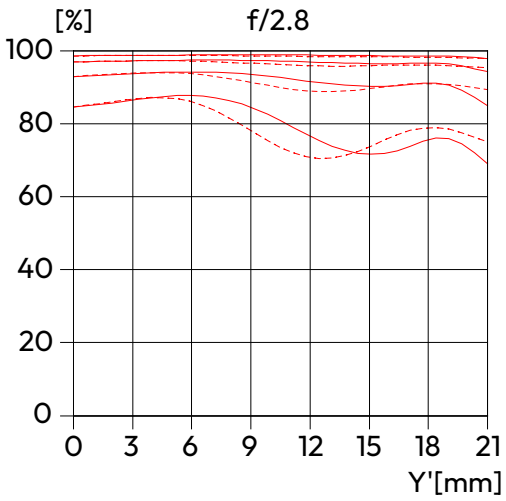
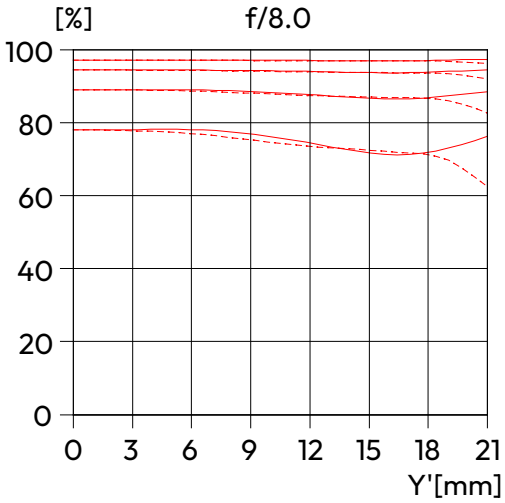
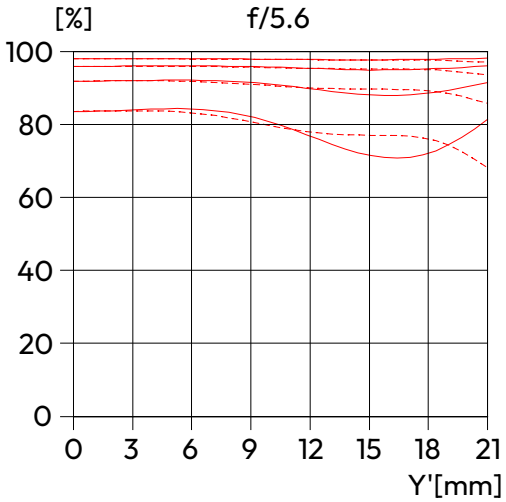
MTF DIAGRAMS







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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