



Press Information

New prime lenses for the Leica SL-System: Superior performance and the finest arts of engineering in compact design

Wetzlar, 15 January 2018. The APO-Summicron-SL 75 mm f/2 ASPH. and the APO-Summicron-SL 90 mm f/2 ASPH. are the first two of a new line of high-performance lenses for the Leica SL-System. The focal lengths of the two SL-Lenses are ideal for all genres of photography and are particularly suitable for portraiture. While the APO-Summicron-SL 75 mm f/2 ASPH., for example, enables natural portraits, the APO-Summicron-SL 90 mm f/2 ASPH. is a classic focal length for portraiture and creates the often desired slight compression of perspectives. Both lenses are perfectly matched to the SL-System and – just like all currently available and future SL-Lenses – have been designed and constructed for a long service life in professional use.

All glass elements in an optical imaging system – for example lenses – refract light in certain colours to a different extent. This leads to the effect that not all rays of light from a multi-coloured subject are focused at a single imaging point – the result of this is chromatic aberration. In order to reduce this chromatic aberration to a hardly perceptible minimum, both new Summicron-SL lenses are apochromatic – in short: APO – corrected. For this, most of the eleven elements of the optical system – one of which is an aspherical – feature anomalous partial dispersion and are manufactured from sensitive and specially formulated, high-quality glass types.

Both the construction and the design of the cutting-edge Summicron-SL line represent the next step forward in the development of lenses for the Leica SL-System. New, extremely precise manufacturing methods and measuring technologies have been developed especially for the production of these lenses. The results of this are reflected not only in the more compact dimensions and considerably lower weight of the lenses, but also in their excellent imaging performance. In addition, these lenses feature a new, faster autofocus

system and a considerably shorter close focusing limit.

As both Summicron-SL primes deliver extremely high imaging performance at their largest aperture, the lenses are also ideal for photography in difficult lighting conditions. The Leica promise of 'maximum aperture is a usable aperture' also applies to the new SL-Lenses – stopping down is exclusively a creative imaging tool, and is not necessary for achieving better imaging performance.

In the construction of the APO-Summicron-SL lenses, particular attention has been paid to the prevention of stray light and reflections. Together with an optimisation of the optical and mechanical design, the application of high-quality coating to lens surfaces reduces unavoidable reflections to an absolute minimum.

The autofocus drive of all SL-Summicron lenses employs extremely powerful and robust stepping motors with DSD[®] (Dual Syncro Drive[™]). Thanks to these, the entire focusing throw can be travelled completely in only around 250 milliseconds.

The APO-Summicron-SL 75 mm f/2 ASPH. will be available from 25 January 2018, and the APO-Summicron-SL 90 mm f/2 ASPH. from 8 February 2018.

The market launch of the Summicron-SL 35 mm f/2 ASPH. and the APO-Summicron-SL 50 mm f/2 ASPH. is scheduled for the second half of 2018.

Technical data:

Lens	APO-Summicron-SL 75 mm f/2 ASPH.	APO-Summicron-SL 90 mm f/2 ASPH.
Angle of view (diagonal, horizontal, vertical)	31.8°/26.7°/18.0°	27.3 / 22.9 / 15.4 °
Optical design		
Number of elements/groups	11/9	11/9
Number of asphericals	1	1
Position of entrance pupil in front of the bayonet flange	35.4 mm	22.9 mm
Focusing		
Working range	0.5 m to infinity	0.6 m to infinity
Smallest object field	120 × 180 mm	120 × 180 mm
Largest reproduction ratio	1:5	1:5
Aperture		
Settings/functions	Electronically controlled iris, setting with the camera clickwheel control, half-stop settings possible	Electronically controlled iris, setting with the camera clickwheel control, half-stop settings possible
Aperture setting range	2 - 22	2 - 22
Smallest aperture	22	22
Bayonet/sensor format	Leica L-bayonet, full-frame 35 mm format	Leica L-bayonet, full-frame 35 mm format
Filter thread	E67	E67
Dimensions and weight		
Length to bayonet flange	102 mm	102 mm
Largest diameter	73 mm	73 mm
Weight	720 g	700 g