



Press Information

Leica Noctilux-M 75 mm f/1.25 ASPH.: A new extremely fast lens enriches the Leica M-System lens portfolio

Wetzlar, 29 November 2017. For more than 50 years, the name 'Noctilux' has been a synonym for exceptionally fast lenses with an optical design that verges on the limits of what is physically possible. Today, Leica Camera AG has added a new highlight to the lens portfolio – the Leica Noctilux-M 75 mm f/1.25 ASPH. Together with exceptional imaging performance and unique bokeh, its gossamer-thin depth of focus isolates subjects with extreme precision and makes it a truly exceptional lens. Its focal length of 75 mm makes it especially suitable for the creation of portraits with a natural look.

As the depth of focus of the Noctilux-M 75 mm f/1.25 ASPH. is even shallower than that of the Noctilux-M 50 mm f/0.95 APSH., it allows even more precise isolation of subjects. The short close focusing distance of 0.85 m for such a fast lens and a reproduction ratio of 1:8.8 open up entirely new opportunities in portrait and close-up photography, while the eleven blades of its iris ensure a soft and harmonious bokeh in out of focus areas.

To guarantee this extraordinary imaging performance, the nine elements in six groups that make up its optical design are manufactured from glasses with high anomalous partial dispersion and low chromatic dispersion. Two of the elements are asphericals and reduce other potential aberrations to a hardly detectable minimum. Here, particular emphasis must be placed on the use of a floating element within the complex focusing mechanism, which guarantees a constantly high level of imaging performance throughout the entire focusing range of the lens – from the closest focusing distance to infinity.

In addition to the intuitively located focusing and aperture setting rings typical to Leica, the lens also features an integrated lens hood. This can be extended or retracted by a simple

twist action and can be locked in place in its extended position. The lens is supplied complete with a tripod adapter for safe and secure mounting of the lens on a tripod.

The first lens of this series, the Leica Noctilux 50 mm f/1.2, was revealed to the world of photography at photokina in 1966. It astounded visitors to the fair and the industry press with its literally revolutionary optical properties. Ongoing developments led to the launch of two new generations of the Noctilux, in 1975 and 2008. Each new version was developed under the premise of achieving even better imaging performance, making the initial aperture value even faster than its predecessor and simultaneously maintaining the maximum aperture as a working aperture – it always was, and still is, unnecessary to stop down a Leica Noctilux-M lens to achieve a great imaging performance.

Together with the Leica Noctilux-M 50 mm f/0.95 ASPH., the Leica Noctilux-M 75 mm f/1.25 ASPH. is the co-founder of a new family of lenses. The two current members of this family are both distinguished by their extreme maximum aperture and exceptionally high performance at all apertures, even wide open, and stand for pictures with a truly special, uniquely aesthetic look.

When shooting at maximum aperture, the exceptionally shallow depth of focus of the Noctilux-M 75 mm f/1.25 ASPH. can be used to particularly effect with the aid of an electronic viewfinder such as the Leica Visoflex. What's more, the Leica M-Adapter L transforms the Noctilux-M into an excellent lens for use on the Leica SL. When the lens is mounted on the Leica SL, the 4.4 million pixel resolution of the camera's EyeRes® electronic viewfinder enables particularly comfortable and extremely precise focusing.

The Leica Noctilux-M 75 mm f/1.25 ASPH. will be on sale at the beginning of 2018.

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Technical data

Angle of view (diagonal, horizontal, vertical)	For 35 mm format (24 x 36 mm): ~ 32°, 27°, 18° For Leica M8 models (18 x 27 mm): ~ 24°, 20°, 14°, equivalent to FL of ~ 100 mm in 35 mm format ¹
Optical design Number of elements/groups Aspherical surfaces Position of entrance pupil (at infinity)	9/6 2 26.9 mm (in front of the bayonet)
Focusing Working range Scales Smallest object field/ largest reproduction ratio	0.85 m to ∞ Combined metre/feet graduation For 35 mm format: ~ 212 x 318 mm / 1:8.8, For Leica M8 models: ~ 159 x 238 mm / 1:8.8
Aperture Settings/functions Smallest aperture	With click stops, half-stop detents 16
Bayonet	Leica M quick-change bayonet with 6-bit bar coding for Leica M digital cameras ²
Filter mount	Inner thread for E67 screw-mount filters, non-rotating
Lens hood	Integrated, with twist-out function
Viewfinder	Camera viewfinder ³
Finish	Black anodised
Dimensions and weight Length to bayonet flange Largest diameter Weight	~ 91 mm ~ 74 mm ~ 1055 g
Compatible cameras	All Leica M-Cameras ^{3, 4} , Leica SL-Cameras with Leica M-Adapter L

¹ The nominal focal lengths of the Leica M-Lenses relate to 35 mm format, i.e. original image frame dimensions of 24 x 36 mm. However, with dimensions of 18 x 27 mm, the sensor of the Leica M8 models is a little smaller, by a factor of 0.75. For this reason, the angle of view of this lens when mounted on a Leica M8 model corresponds to that of a lens with a focal length that is longer by a factor of 1.33 (1.33 = reciprocal of 0.75).

² The 6-bit coding on the lens bayonet (7) enables Leica M8 digital models to identify the lens type mounted on the camera. The cameras utilise this information for the optimisation of exposure parameters and image data.

³ With the exception of the Leica M3 and the former version of the Leica MP (professional version of the M3), all Leica M-Cameras without a 75 mm bright line frame can be retrofitted with this frame by the Customer Care department of Leica Camera AG (it then appears in the viewfinder together with the frame for 50 mm lenses).

⁴ This is independent of the image frame format of the respective camera – whether 18 x 27 mm (sensor size) for the Leica M8 models or 24 x 36 mm for all other Leica M models.