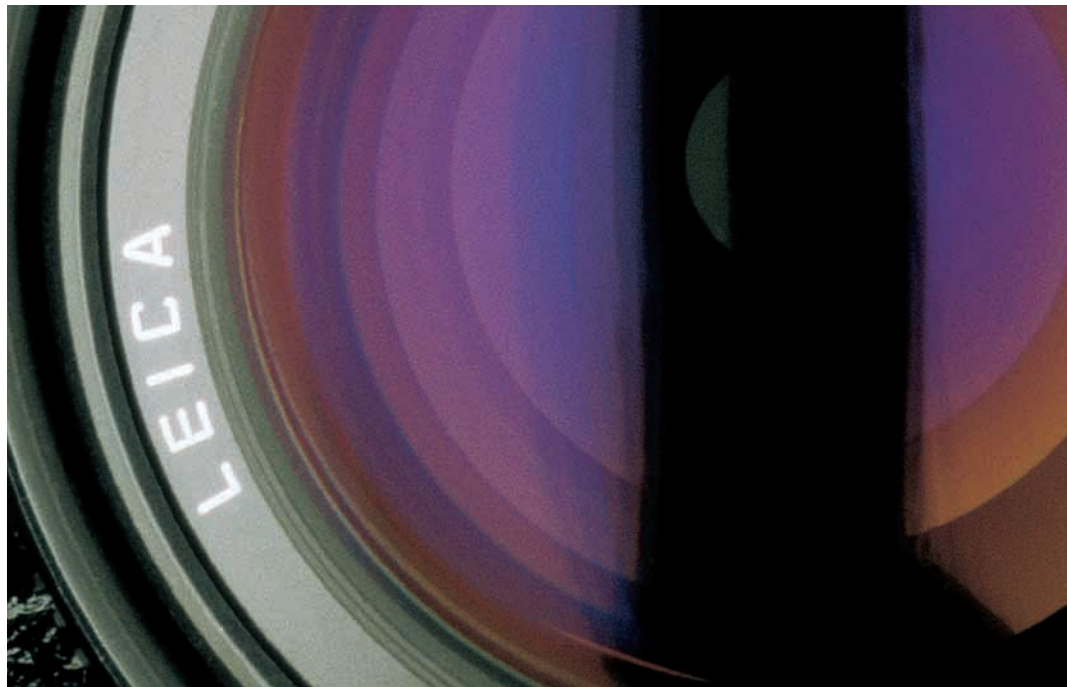




**LEICA**

# LEICA M-System: Lenses



*Fascination and Precision*

# Everything in view: wide-angle lenses

*To gain an overview in the midst of an event. To emphasize the foreground dramatically or to create a receding background: wide-angle lenses give the subject more space, more expanse. They create distance, they enhance the dynamics of the picture. And they also bring greater depth of field.*



Jane Evelyn Atwood

## **35 mm f/2 SUMMICRON-M ASPH.**

Excellent sharpness and contrast rendition and high resolving power are the benefits of this new computation, which gives this lens outstanding imaging performance across the entire focusing range. Its versatility and all-around performance makes this a world-class lens in the high-speed wide-angle category. Equipped with the 35 mm f/2 SUMMICRON-M ASPH. lens, the LEICA M becomes an elegant compact camera. This lens is also available in a silver chrome plated version.



"My M6 with a 35 mm lens is always with me, ready for whenever I feel like making a picture. It will give sharp

images even in poor lighting because I can hold my breath and work at extremely slow speeds with no camera movement. These pictures seem more luminous than those done in similar situations with other cameras."

Jane Evelyn Atwood, France

### 21 mm f/2.8 ELMARIT-M ASPH.

Uniform sharpness and minimal distortion across the entire image area, even at full aperture, distinguish this lens. This was achieved with, among other factors, a lens element with an aspherical surface. The lens makes highly dramatic effects possible, like monumental foregrounds, strongly receding backgrounds and a wide horizon. With this lens, focusing and exposure metering are performed by looking through the camera's viewfinder, whereas the actual field coverage is checked by means of an accessory brilliant viewfinder.



### 28 mm f/2.8 ELMARIT-M

A very popular wide-angle lens that is often used for reportage photography in confined locations, but which is also excellent for architectural and landscape photography. Its outstanding characteristics are the good contrast and detail rendition. Starting with this focal length, there is a brightline frame in the viewfinder of the LEICA M6 for checking the field of view (with the new LEICA M6 TTL 0.85, an accessory brilliant viewfinder is required for this purpose).



### 35 mm f/1.4 SUMMILUX-M ASPH.

The focal length makes this an all-round versatile lens – yet its high speed makes it an exceptional lens with ample reserves for any situation. The complex optical design with an aspherical lens surface produces an image quality at full aperture that is unique for compact wide-angle lenses. Available in anodized black, silver chrome or titanium finishes.



### 24 mm f/2.8 ELMARIT-M ASPH.

This special lens design combines one aspherical lens surface, one lens element with anomalous partial dispersion and two other lens elements made of optical glasses with high indices of refraction to give this compact unit outstanding contrast- and detail rendition – even at full aperture. An accessory brilliant viewfinder is needed for checking the field of view, whereas focusing and

exposure metering are performed through the camera's own viewfinder. This high-performance lens also makes it possible to work efficiently in cramped quarters. It adds a more dynamic feeling to close-up pictures and it gives landscape photographs significantly more depth. Available in black anodized finish and now also in a silver chrome-plated version.





## Three lenses in one: the 28-35-50 mm f/4 LEICA TRI-ELMAR-M ASPH.



*With the versatile LEICA TRI-ELMAR-M, Leica designers succeeded in combining the M-photographer's three most popular focal lengths into a single, extremely compact lens. And this with good to very good imaging performance at all three focal lengths.*



Luis Castañeda

Focal length set at 35 mm



"I travel a lot, and travel photography is a never-ending source for many of my best photographs that are favored by picture agencies. The TRI-ELMAR is one of my most important lenses for this job. Not only because it is so light and compact, but also because of its extremely good performance, both mechanical and optical. With this lens on my LEICA M6 I am able to cover most any photographic situation during my foreign travels."

Luis Castañeda, USA

### **28-35-50 mm f/4 LEICA TRI-ELMAR-M ASPH.**

This new universal lens is undoubtedly another milestone in the history of LEICA M photography. Because of its imaging performance, its versatility, its compact design and its convenient handling, the TRI-ELMAR-M is perfect for making snapshots with professional quality.





Focal length set at 50 mm

### Confident, convenient handling

You select the angle of view confidently and quickly by means of a short twist. The focal length ring engages noticeably in the three click stops for the respective focal length settings. Focusing and focal length selection are performed with two separate rings. The brightline frame that corresponds to the focal length that has been selected appears automatically in the viewfinder. A rigid lens hood is an integral part of the lens mount. The lens is supplied in an elegant cushioned case made of fine high-grade leather. Weighing only 340 grams or 12 ounces, the functional TRI-ELMAR-M is so compact that it is just perfect for travel and leisure photography. And you will appreciate it all the more in situations when changing lenses would be awkward and time-consuming. When

a high aperture is not essential, the TRI-ELMAR-M is also an excellent tool for reportage photography.

### High optical performance

A complex optical design assures this world innovation outstanding performance characteristics. Five of the total of eight lens elements are made of optical glasses with particularly high indices of refraction. In order to achieve high optical performance in such a compact lens, the TRI-ELMAR-M was designed with two aspherical lens surfaces. It produces images with excellent contrast and good detail rendition, even at full aperture, at all three focal length settings. Curvature of field and vignetting are so small that they are negligible in practical use. What is it that photographer Dieter W. Wehde said after he had subjected the LEICA TRI-ELMAR-M to a thorough field test?



"With its outstanding performance, the new TRI-ELMAR-M generates enthusiasm. I ask myself whether critics are allowed to become enthusiastic. My answer: They may, provided the enthusiasm comes from the heart."



Focal length set at 28 mm

*Designed and manufactured in Germany, the TRI-ELMAR-M consists of a total of eight lens elements. An aspherical lens surface in the first group of lens elements serves primarily for the reduction of distortion. Another aspherical lens surface is used for reducing monochromatic image aberrations to a minimum.*



## Universally useful: standard lenses

*With their focal length of 50 mm, standard lenses are easy to use and very versatile at the same time. Because their angle of view and their perspective come closest to the viewing habits of the human eye.*



Ralph Gibson



"The whole world is a stage... and only with a perfect sense of size relationships will the drama

become reality. Throughout the history of photography, more photographs were probably made with a Leica and a 50 mm lens than with any other combination. With the knowledge that everything would be covered by the viewfinder, I traveled all over the world with a 50 mm lens. This outstanding lens delivers optical precision and imparts a passionate ability to react spontaneously."

Ralph Gibson, USA

### 50 mm f/1 NOCTILUX-M

The NOCTILUX-M is the world's first f/1 lens for 35 mm cameras that has been manufactured in series. Because of this extraordinary optical performance it is eminently suited not only for photography at twilight, but also for night photography without flash – the light of a single candle is already sufficient. It produces outstanding contrast rendition, so that barely noticeable color differences are faithfully separated and the finest structures of the subject



are resolved accurately, even under extremely unfavorable light conditions. The optical computation of this super-fast lens approaches the limits of what is physically possible. The NOCTILUX-M gives LEICA-M photography capabilities that are beyond the reach of other outfits.

### 50 mm f/1.4 SUMMILUX-M

An extremely fast standard lens that is used a great deal in reportage photography. Sharpness and contrast are still outstanding at full aperture. Its extraordinary speed of f/1.4 permits good shutter speeds even in poor light situations. This lens has remarkably neutral color rendition and accurate color differentiation. It is available in black anodized, silver chrome and titanium finishes.



### 50 mm f/2 SUMMICRON-M

In the category of high speed standard lenses, this handy universal lens has a world-wide reputation for the highest optical performance. With outstanding imaging quality even at the closest focusing range. It is available in black anodized finish and in silver chrome finish. With a built-in sliding lens hood.



### 50 mm f/2.8 ELMAR-M

If compact dimensions and light weight are more important to you than high speed, then this classic universal lens is exactly right for you. The lens barrel can be collapsed into the camera body, making your LEICA M6 extra slim and handy. The utilization of optical glasses with high indices of refraction and a new optical computation produce an outstanding overall performance. Available in black anodized and silver chrome finishes.



## Bridging distances: telephoto lenses

*Telephoto lenses compress the impression of depth, they make distant subjects seem closer and they narrow the coverage of the subject. These effects are utilized when the surroundings of the subject are to be kept out of the picture. The reduced depth of field of lenses with long focal lengths is suitable for the creative manipulation of sharpness and unsharpness. New from Leica: telephoto lenses for the M system with APO quality.*



Matthias Heng



"As a photojournalist, it is the philosophy of Matthias Heng "to work with people by

means of the camera." With the inconspicuous and quiet LEICA M6 and a 90 mm lens he is able to capture unposed and fleeting moments that would all too often be lost in written texts."

Matthias Heng, Australia

### 90 mm f/2 APO-SUMMICRON-M ASPH.

A fast, newly computed high-performance lens for portraiture and photojournalism. Also excellent for quick snapshots when you want to take pictures inconspicuously from a distance. Its high speed permits relatively fast shutter speeds that prevent blurred images caused by camera motion. With an aspherical lens surface and APO-corrected quality,



this lens sets new standards in the category of short telephoto lenses. Built-in sliding lens hood. Availability expected in the autumn of 1999.





## 75 mm f/1.4 SUMMILUX-M

Extremely fast for a 75 mm lens, its f/1.4 speed makes this lens ideally suited for available light photography, particularly in portraiture and photojournalism. It is also an excellent lens for large contrasts in brightness that you might encounter in concerts, theaters or in a circus. Unique optical glasses and an optimized optical computation give this high-speed lens unexcelled performance characteristics. Among other features, experts especially value its great freedom from reflections and the delicate gradation of its tonal rendition. Built-in sliding lens hood.

## 90 mm f/2.8 ELMARIT-M

A compact universal lens with a medium focal length and very good contrast and sharpness performance, even at full aperture. Its black version weighs barely more than 400 grams or 14 ounces, and it is only slightly larger than a 50 mm lens. Thus it is an ideal lightweight alternative that you can always take along when you travel. With built-in sliding lens hood. Available in black, silver chrome and titanium finishes.



## 135 mm f/3.4 APO-TELYT-M

This new 135 mm telephoto lens for the M system is now being offered for the very first time with superb APO quality. It replaces the two previous M lenses of the same focal length (f/2.8 and f/4, respectively). The sharpness, contrast and resolving power of this unique lens are impressive, even at full aperture. Other plus points are its modest weight, its handiness, and its ease of operation. And it comes with a built-in sliding lens hood.

# Overview of lenses for the LEICA M system

Lens designation	Focal length and speed in mm	Angle of view	Lens elements/groups	Smallest aperture	Focusing range in m	Smallest subject area in mm	Recommended filter size	Length in mm	Largest diameter in mm	Weight in grams	Order Number
ELMARIT-M ASPH.	21 f/2.8	92°	9/7	16	∞ – 0.7	696 x 1044	E 55	46	58	300	11 135
ELMARIT-M ASPH. silver chrome finish	21 f/2.8	92°	9/7	16	∞ – 0.7	696 x 1044	E 55	46	58	414	11 897
ELMARIT-M ASPH.	24 f/2.8	84°	7/5	16	∞ – 0.7	630 x 950	E 55	45	58	290	11 878
ELMARIT-M ASPH. silver chrome finish	24 f/2.8	84°	7/5	16	∞ – 0.7	630 x 950	E 55	45	58	388	11 898
ELMARIT-M	28 f/2.8	76°	8/7	22	∞ – 0.7	533 x 800	E 46	41.4	53	260	11 809
SUMMILUX-M ASPH.	35 f/1.4	64°	9/5	16	∞ – 0.7	420 x 630	E 46	46.2	53	250	11 874
SUMMILUX-M ASPH. silver chrome finish	35 f/1.4	64°	9/5	16	∞ – 0.7	420 x 630	E 46	46.2	53	415	11 883
SUMMILUX-M ASPH. titanium finish	35 f/1.4	64°	9/5	16	∞ – 0.7	420 x 630	E 46	46.2	53	415	11 859
SUMMICRON-M ASPH.	35 f/2	64°	7/5	16	∞ – 0.7	419 x 627	E 39	34.5	53	255	11 879
SUMMICRON-M ASPH. silver chrome finish	35 f/2	64°	7/5	16	∞ – 0.7	419 x 627	E 39	34.5	53	340	11 882
TRI-ELMAR-M	28–35–50 f/4	76° 64° 45°	8/6	22	∞ – 1.0	750 x 1130 620 x 930 430 x 650	E 55	70	58	340	11 890
TRI-ELMAR-M silver chrome finish	28–35–50 f/4	76° 64° 45°	8/6	22	∞ – 1.0	750 x 1130 620 x 930 430 x 650	E 55	70	58	460	11 894
NOCTILUX-M	50 f/1	45°	7/6	16	∞ – 1.0	410 x 615	E 60	62	69	630	11 822
SUMMILUX-M	50 f/1.4	45°	7/5	16	∞ – 0.7	277 x 416	E 46	46.7	54.5	275	11 868
SUMMILUX-M silver chrome finish	50 f/1.4	45°	7/5	16	∞ – 0.7	277 x 416	E 46	46.7	54.5	380	11 856
SUMMILUX-M titanium finish	50 f/1.4	45°	7/5	16	∞ – 0.7	277 x 416	E 46	46.7	54.5	380	11 869
SUMMICRON-M	50 f/2	45°	6/4	16	∞ – 0.7	277 x 416	E 39	43.5	53	240	11 826
SUMMICRON-M silver chrome finish	50 f/2	45°	6/4	16	∞ – 0.7	277 x 416	E 39	43.5	53	335	11 816
ELMAR-M	50 f/2.8	45°	4/3	16	∞ – 0.7	274 x 411	E 39	37.6	52	170	11 831
ELMAR-M silver chrome finish	50 f/2.8	45°	4/3	16	∞ – 0.7	274 x 411	E 39	37.6	52	245	11 823
SUMMILUX-M	75 f/1.4	31°	7/5	16	∞ – 0.75	192 x 288	E 60	80	68	560	11 810
APO SUMMICRON-M ASPH.	90 f/2	27°	5/5	16	∞ – 1.0	220 x 330	E 55	78	64	500	11 884
ELMARIT-M	90 f/2.8	27°	4/4	22	∞ – 1.0	220 x 330	E 46	76	56.5	410	11 807
ELMARIT-M silver chrome finish	90 f/2.8	27°	4/4	22	∞ – 1.0	220 x 330	E 46	76	56.5	560	11 808
ELMARIT-M titanium finish	90 f/2.8	27°	4/4	22	∞ – 1.0	220 x 330	E 46	76	56.5	560	11 899
APO-TELYT-M	135 f/3.4	18°	5/4	22	∞ – 1.5	220 x 330	E 49	105	58.5	460	11 889



## Useful accessories for your LEICA M outfit

*Beautifully tailored to the LEICA M6 in every respect, these accessories make photography with the M6 even easier and more pleasurable. They create greater latitude for exciting special tasks. There is a complete listing of LEICA M accessories at the end of this brochure.*

### Table tripod

Compact, practical and stable. An indispensable support for long exposure times. With three folding legs and a standard 1/4-inch tripod thread.

*Order-No. 14 100*



### Ball-and-socket head

Take pictures with the LEICA M6 in any position! In combination with the table tripod it becomes highly versatile for a great variety of perspectives. Attached to the ball-and-socket head and a table tripod, you can even brace your M6 against your own body and turn it in any desired direction. *Order-No. 14 110*

## Combination cases M

Available in a small or a large version, depending on how many lenses and accessories you wish to take along.

Both versions have neat outside compartments for useful small things.

*Small combination case: Order-No. 14845*

*Large combination case: Order-No. 14842*



## Compact black leather case M

This convenient case was especially designed to accommodate a LEICA M camera with the collapsible 50 mm f/2.8 ELMARIT-M lens. Supplied with a wrist strap for the camera. *Order-No. 14522*



## Ever-ready case M

Refined and elegant, made of fine black leather. For a LEICA M camera with a compact lens (21 to 35 mm, 50 mm f/1.4 or f/2). A handsome case that you can sport anywhere!

*Order-No. 14505*



*Additional information about accessories for the Leica M6 can be found in the "Handbook of the Leica System" (see the last cover page).*



## Filters

A UVa filter is available as an accessory for every LEICA M lens. In addition, there is also an orange and a yellow-green filter available for some of them.

UVa filter E39	Order-No. 13131
silver chrome finish	Order-No. 13132
UVa filter E46	Order-No. 13004
silver chrome finish	Order-No. 13005
UVa filter E55	Order-No. 13373
silver chrome finish	Order-No. 13374
Yellow-green filter E55	Order-No. 13391
Orange filter E55	Order-No. 13312
UVa filter E60	Order-No. 13381
Yellow-green filter E60	Order-No. 13392
Orange filter E60	Order-No. 13383



## Lens carrier M

An ingeniously clever way to have a second lens ready – without having to take an extra camera case along. It is screwed on to the baseplate of the camera. Attach an M lens and – presto! *Order-No. 14404*

## Handgrip M

With the handgrip in place, you always have a secure hold on your LEICA M, wherever you may be. Very comfortable. With a centered tripod socket.

*Order-No. 14405*



## Polarizing filters

Eliminate disturbing light reflections, like those coming from water or glass surfaces but also from other (non-metallic) surfaces. At the same time they also improve contrast rendition and make colors appear more intense. Supplied with an elegant case and with adapters for all current M lenses.

*Order-No. 13356*



## LEICA SF 20

Electronic flash unit with handsome Leica design. Compact and lightweight, convenient to take along wherever you go. Easy and straightforward to operate. With an illuminated display. Flash output is variable – useful, for instance, for pictures that benefit from fill-in flash. High performance batteries for fast flash sequences. The relatively large distance between the optical axis of the M lens and the flash tube reduces the danger of the "red-eye effect". *Order-No. 14414.* 24 mm diffusion screen for SF 20 flash unit: *Order-No. 14417.*



## Neoprene carrying strap

Comfortable and durable. Adjustable strap length for tall and short Leica fans. *Order-No. 14162*