

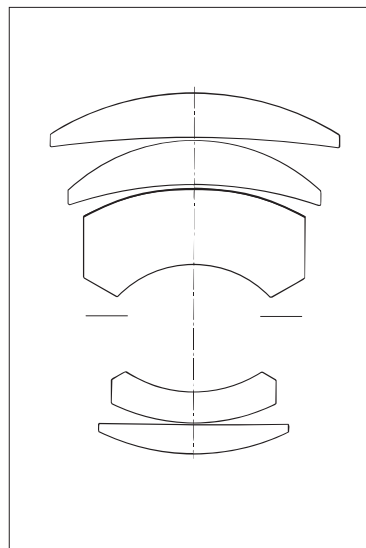


With the introduction of the new APO-SUMMICRON-M f/2/90mm ASPH., Leica sets yet another milestone in the lens program for the range finder system camera LEICA M6, carrying on the SUMMICRON line that has been valued by authorities for decades. For the first time, apochromatic correction and the use of an aspherical surface were combined in one LEICA lens. It sets a new standard in the range of high speed reportage and portrait photography. This lens replaces the SUMMICRON-M f/2/90mm that was introduced in 1983.

The image performance of the APO-SUMMICRON-M f/2/90mm ASPH. could be increased significantly compared to its predecessor. Brilliance and resolution are exemplary over the entire image field, already with open aperture. This performance can even be increased slightly by stopping down one aperture step. The overall performance measures up to the legendary

LEICA APO-MACRO-ELMARIT-R f/2.8/100mm from the LEICA R system.

Of the 5 lens elements in the lens, two are of high-refracting glass and two have anomalous partial dispersion. One element has an aspherical surface which, due to its size, had to be produced in a complicated grinding and polishing process. Together with the apochromatic correction, this procedure reduced the



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

*High-speed lens for photo-journalism with apochromatic correction and aspherical lens surface*

*for all LEICA M-models*

color error significantly compared to the existing version.

Slight artificial vignetting appears only at open aperture and is no longer visible from f/4. Coma and opening error are slight and the degree of distortion is half that of the previous model.

In spite of these improvements, the compact dimensions and weight of the new lens are





# LEICA

# PRODUCT INFORMATION

almost the same as those of the previous model. The built-in, telescopic lens hood shields effectively against stray light and damage to the front lens. The lens handles excellently and forms a compact, harmonious unit together with the LEICA M6.

The LEICA M6 0.85 and LEICA M6 TTL are well-suited to this lens since these models have 20% greater viewfinder magnification which makes assessment of the subject easier

when using longer focal lengths. The larger metering basis compared to the "normal" M6 increases the setting accuracy as well.

Conclusion: the new M lens APO-SUMMICRON-M f/2/ 90mm ASPH. carries the tradition of LEICA high-precision lenses on in an impressive manner. The popular reportage and portrait focal length is now available with the excellent APO-quality adding ideally to the versatile product range of the M system.

## APO-SUMMICRON-M 1:2/90mm ASPH.

in a soft leather case, with lens cap and rear cover  
black anodized finish

Order no. **11 884** \_\_\_\_\_

### Accessories:

UVa-filter E 55

Order no. **13 373** \_\_\_\_\_

### Replacements:

Soft leather case

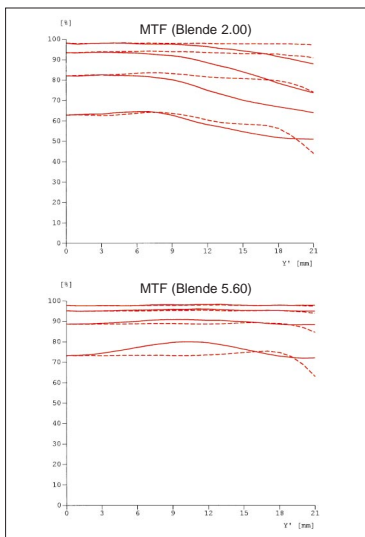
Order no. **14 705** \_\_\_\_\_

Lens front cap

Order no. **14 289** \_\_\_\_\_

Lens rear cover

Order no. **14 269** \_\_\_\_\_



The MTF is indicated both at full aperture and at f/5.6 at long taking distances (infinity). Shown is the contrast in percentage for 5, 10, 20 and 40 lp/mm across the height of the 35 mm film format, for tangential (dotted line) and sagittal (solid line) structures, in white light. The 5 and 10 lp/mm will give an indication regarding the contrast ratio for large object structures. The 20 and 40 lp/mm records the resolution of finer and finest object structures.

————— sagittal structures  
- - - - - tangential structures



## Technical Data

- Angle of view: 27°
- Number of elements: 5  
(5 components)
- Filtersize: E55
- Internal thread: M55x0,75
- Smallest aperture: 16
- Combined meter/feet scale
- Focusing range::  
infinity to 1m
- Smallest object field:  
220x330 mm, approx. 1:9)
- Parallel guided focusing mount
- Camera view finder
- LEICA M quick change bayonet
- Black anodized finish
- Built-in, telescopic lens hood
- Lens cap diameter: 64 mm
- Length from bayonet flange:  
78 mm
- Diameter: 64 mm
- Weight: 0,500 kg

*Leica. Fascination and Precision.*



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The Leica Camera Group

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