

From Eye to Insight

*Leica*  
MICROSYSTEMS

## LEICA M220 F12

Microscope for Routine Ophthalmic Surgery





Originated from the Swiss company WILD Heerbrugg, Leica Microsystems has powerful genes: our passion for high precision optics and innovation as well as our relentless dedication to quality finds their way into each and every one of our products.



Leica Microsystems' longtime cooperation with ophthalmic surgeons in over 100 countries worldwide has led to a continuously broadened portfolio of innovative surgical microscopes. A milestone in ophthalmic surgery was set in 1982 with the WILD/Leica M690, which left innumerable users speechless in excitement.

The Leica M220 F12 is a high-quality microscope for routine ophthalmic surgery designed for the cost-conscious user.

## LEICA M220 F12

The Leica M220 F12 microscope is fully dedicated to the needs of ophthalmic surgery.

Featuring prestigious Leica optics, innovative LED-illumination and intuitive, user-friendly operation, the Leica M220 F12 is designed for a smooth and fatigue-free surgery experience.

The price is right, and the quality is 100% Leica Microsystems for many years of reliable operation.



LEICA F12

Leica Design by Christophe Apothéloz



# LEICA QUALITY FOR SMALL BUDGETS

## **High productivity**

Hands-free adjustment of the motorized 5-step APO-chromatic magnification changer and focus helps to speed up surgery.

## **Fatigue-free surgery**

Prestigious Leica optics create a crisp and contrast-rich image with excellent depth of focus.

## **Innovative LED-illumination**

Instant, stable Red Reflex from direct LED-lightsource.

## **Low cost of ownership**

Design without fibre optics cable and 60000 hours life expectancy of the LED light source ensure many years of reliable operation at minimal cost.

## **Maximum positioning flexibility**

The compact-in-size, long-in-reach stand system allows a high degree of positioning freedom.

## **Leica Quality**

Excellence in optics, precision and reliability.

## **Modularity and upgradeability**

A wide range of observation accessories meets all users' ergonomic requirements, offering the best possible view. The modular system allows a subsequent and straightforward upgrade.



Variable binocular tube



Integrated camera

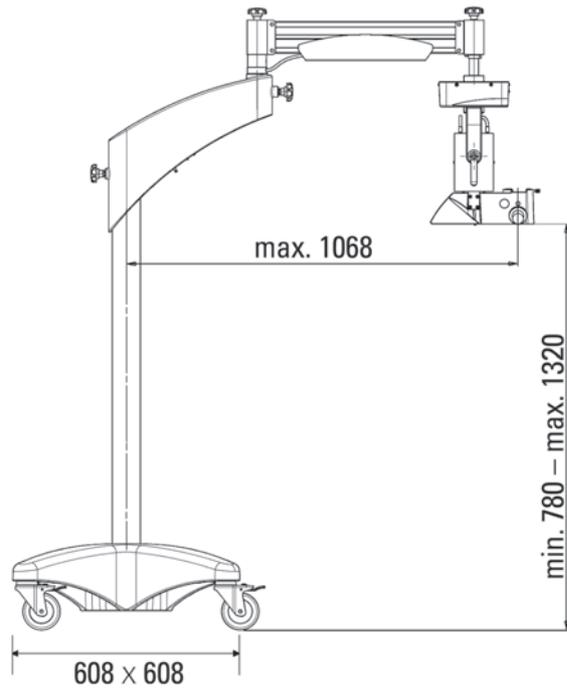


Assistant microscope tube and camera

# Technical Data Leica M220 F12

|   |  |
|---|--|
| <b>Microscope</b>   |  |
| Magnification changer   | APO-chromatic 5-step-changer, motorized - 6.4×, 10×, 16×, 25×, 40×   |
| Focusing  | Motorized, 40mm, adjustable speed  |
| Objective   | Leica f = 200mm OPTIONS: 175mm, 225mm, or Leica WD = 175mm, 200mm APO  |
| Eyepieces   | 10× / 21 B wide-field eyepieces for eye-glasses wearers<br>Diopter adjustment +/- 5 with adjustable eyecup   |
| LED-illumination  | Homogenous, coaxial, integrated Red Reflex illumination,<br>Sterile adjustment of light intensity by surgeon<br>Long-lasting LED-illumination free of UV and IR<br>2 free openings for selectable filters dia 32mm<br>Inclining mechanism +/- 15° manual fine adjustment<br>Adjustable speed for drives  |
| Foot switch   | 8-Function foot switch, waterproof   |
| XY-unit   | Optional/upgradeable XY-unit<br>Positioning range 40 × 40mm with reset, adjustable speed   |
| <b>Stand</b>  |  |
| Type  | Compact floor stand  |
| Base  | Compact foot with 4 movable rollers, 4 foot brakes   |
| Base dimension  | 608 × 608mm  |
| Maximum load  | 3.5kg accessories on the microscope  |
| Maximum reach   | 1068mm   |
| Minimum transport height  | 1680mm   |
| Weight approx.  | 100kg (minimum equipment)  |
| <b>Accessories</b>  |  |
| Assistant's attachment  | Stereo co-viewer, Monocular co-viewer  |
| Beam splitter   | 50/50% or 70/30%   |
| TV/photo  | Leica 2D video system, Leica Zoom Video Adapter f = 35–100mm<br>Photo/TV dual attachment f = 60/85/107mm for TV, f = 250/350mm for 35-mm camera<br>TV attachment f = 107mm, Photo attachment f = 250/350mm   |
| Asepsis   | Sterilisable components for all controls   |
| <b>Electrical data</b>  |  |
| Supply  | 100–240 VAC, +/- 10%, 50/60 Hz/100 VA  |
| Protection class  | Class 1  |
| <b>Conformity</b>  | <ul style="list-style-type: none"> <li>• Medical devices directive 93/42/EEC<br/>Classification: Class I, in compliance with appendix IX, rule 1, with reference to rule 12 of the directive.</li> <li>• Medical electrical equipment, Part 1: General requirements for safety IEC 60601-1; EN 60601-1; UL60601-1; CAN/CSA-C22.2 NO. 601.1-M90</li> <li>• Electromagnetic compatibility IEC 60601-1-2; EN 60601-1-2</li> </ul> <p>Leica Microsystems (Schweiz) AG, has the management system certificate for the international standards ISO 13485 and ISO 14001 relating to quality management, quality assurance and environmental management.</p> |

Dimensions in mm



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M220 F12  
microscope

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