



Leitz Optilux

The Vision for the Next Generation

Living up to Life

Leica
MICROSYSTEMS

Systems – Solutions

The vision for the next generation

Superior performance. Durable construction. Exclusive features. The Leitz Optilux has been designed with exacting attention to each and every microscope component, to create a streamlined, high performance instrument unique in its class.

THE VISION TO SEE IMAGES MORE CLEARLY

The Leitz Optilux utilizes superb optics for high contrast, sharpness and resolving power. The quality of the optical glass and design combine into a system beyond the average microscope.

- › Superior quality all-glass, finite-corrected optics for brilliant, high-contrast imaging
- › Anti-Fungus / mold warranty protects your microscope and investment.
- › Spring-loaded, high magnification objectives prevent broken sample slides.
- › 18 mm FOV (standard) 10× eyepiece optimizes viewing field for easy, comfortable operation.
- › Eyeguards can be used with or without glasses and block out ambient light.

THE VISION TO ILLUMINATE

The Leitz Optilux illumination system is designed to provide maximum image quality for a variety of applications. Features include:

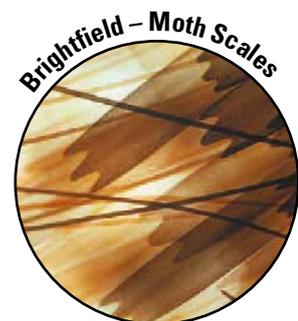
- › Designed to meet or exceed international safety standards
- › Long-life illumination provides 2.000 hours of stable and balanced light.
- › Angled lamp door for halogen illumination prevents accidental breakage.
- › Easy lamp change helps minimize downtime.

GREAT DISCOVERIES BEGIN WITH VISION



André-Marie Ampère 1775-1836

A mathematician, physicist and chemist, Ampère defined the relationship between electricity and magnetism through mathematical demonstration (Ampère's Law).



Leica Confidence

The vision to provide comfort and convenience

When you're looking for a microscope that gives you the ultimate in comfort and quality at a reasonable price, take a close look at the Leitz Optilux Compound Microscope:

- › The compact size keeps key controls within easy reach.
- › Low position of mechanical stage controls minimizes wrist movement.
- › The stylish, approachable design makes it inviting to use.
- › Coaxial coarse and fine focus controls for precision and ease of use
- › Precision machined nosepiece for excellent parfocality and parcentration
- › Compact size for ease of use, easy manipulation of specimens
- › Low heat output for comfortable operation
- › Blue filter is built in to prevent accidental loss
- › 45° viewing angle and 360° rotatable viewing bodies make it easy to share, but prevent removal.

GREAT DISCOVERIES BEGIN WITH VISION



James Clerk Maxwell
1831-1879

Maxwell's experiments demonstrated that light and electricity are closely related. He showed that there were all kinds of electromagnetic waves, operating at different frequencies, beyond perception of the human eye.



Leitz Optilux Specifications

VIEWING BODIES

- › All-Glass, high quality, coated optics
- › 45° viewing angle, 360° rotation
- › Standard Allen screw (1.5 mm) and thumbscrew combination for easy rotation of body
- › Anti-fungus / mold warranty
- › Foldable eyeguards

MONOCULAR

- › Single viewing eyetube

EYEPIECES

- › All-glass, high quality, coated optics
- › Anti-fungus / mold warranty

RUBBER EYEGUARDS

- › Included with all eyepieces
- › 34.2 mm (1.35") diameter, 10 mm (0.4") height
- › Fold over eyepiece

OBJECTIVES

- › All-glass, high quality, coated optics
- › Finite corrected, 160 mm tube length
- › Anti-fungus / mold warranty
- › Thread size AMO 0.800 x 36
- › DIN color coded and marked

DIMENSION AND WEIGHT

- › Dimensions: 38.4 cm (h) × 17.9 cm (w) × 23.0 cm (d)
15.12" (h) × 7.05" (w) × 9.06" (d)
- › Shipping dimensions: 33.8 cm (h) × 52.1 cm (w) × 45.7 cm (d)
13.30" (h) × 20.50" (w) × 18.00" (d)
- › Weight: 3.74 kg / 8.24 lb
- › Shipping weight: 8.8 kg / 13.75 lbs

ADDITIONAL

CONSTRUCTION

- › Cast aluminium

NOSEPIECE

- › Quadruple rear facing with positive stops
- › Rubber grip on turret

ILLUMINATION

- › Tungsten-halogen lamp: 2.000 hours life, 12 W

ELECTRICAL

- › Designed to meet international safety standards
- › Tungsten-halogen:
 - 120 VAC ± 10 % 50/60 Hz
 - 220 - 240 VAC ± 10 % 50/60 Hz

STAGE

- › Mechanical:
 - Right handed
 - Size: 13.5 cm (X) × 13.5 cm (Y) / 5.12" (X) × 5.12" (Y)
 - Control shaft length 8.2 cm / 3.23"
 - Travel: 7.8 cm (X) × 3.6 cm (Y) / 3.07" (X) × 1.42" (Y)
 - Front loading specimen holder for one standard slide

SUB STAGE ASSEMBLIES

- › Cam and follower with ball bearings

CONDENSERS

- › Standard Condenser 0.90 / 1.25 oil
- › Minimum aperture 1.3 ± 1 mm
- › Maximum aperture: 29 mm

FOCUSING MECHANISM

- › Coaxial coarse and fine focus knobs with markings on fine focus knobs for each side
- › 100 divisions of 3 microns each
- › One full fine focus turn equals 300 microns
- › One full coarse focus turn equals 3 mm

CONTRAST TECHNIQUE

- › Brightfield

MISCELLANEOUS

- › Dust cover, instruction manual and immersion oil included with each complete model