Living up to Life

Leica
MICROSYSTEMS

INDUSTRY DIVISION

Leica LED2000 & Leica LED2500

Microscope Stand and Illumination in One

All-in-one Solution on the Highest Level

The Leica LED2000 and Leica LED2500 both are a stand and illumination in one – high-performance, durable and flexible.

HIGH-PERFORMANCE ILLUMINATION

The choice of illumination in stereomicroscopy influences what you see. The Leica LED2000 and Leica LED2500 illumination stands provide high-performance and variable incident and transmitted light illuminations for a wide range of applications.

FLEXIBLE COMBINATION OPTIONS

The Leica LED2000 and Leica LED2500 illumination stands feature an ingenious design that can easily be combined with the Leica M series, S series, and DMS series microscopes. This will provide you with the optimum combination of microscope, stand and integrated illumination. Simply insert the power plug – done. That is what we call a convenient solution.

DURABLE SOLUTION

The illumination stands have a sturdy design and are equipped with state-of-the-art LED technology. As a result, your illumination stand has a long service life and you will save operation costs for years to come.

LEICA LED2000 & LEICA LED2500
YOUR ADVANTAGES AT A GLANCE

- Incident, oblique and transmitted light illumination (only for the Leica LED2500) integrated into one stand
- Very compact – small foot print and 35 mm high base
- No bothersome cables – internal cable guide
- Simple to operate – self-explanatory symbols
- High mobility – easy to transport
- Very robust
- Integrated 5 volt USB power supply
- Easy installation – plug in power cable and go

Everything Comes to Light

Nothing remains hidden with the Leica LED2000 and Leica LED2500.

HIGH-PERFORMANCE RING LIGHT

- High performance through four Power LEDs for maximum, focused illumination
- Uniform illumination for fatigue-free work
- Shadow-free for unique results

INTEGRATED OBLIQUE ILLUMINATION

- Varying contrast graduation
- Easy height adjustment for customized settings
- Suitable for rough surfaces and tactile structures
- Scratches and recesses are made visible

LEICA LED2500 WITH MATCHED TRANSMITTED LIGHT

- Two types of transmitted light:
  – Uniform and high-performance transmitted light illumination
  – Contrast enhancement of low-contrast samples by means of a directed trans mitted light function (maximum field of view: 10 mm ∅)
- Large, active illumination diameter (60 mm ∅)

UNIVERSALLY SUITABLE

- Multifunctionality resulting from an integrated microscope holder
- Can be used with S series, M series, and DMS series microscopes
- Meets the demands for a vast range of applications

COMPACT AND COMPLETE

- Sturdy and ergonomic design
- Reduced costs through LED technology
- Complete, compact solution without the need for additional cables
- Integrated 5 volt USB power supply for external USB devices

INTUITIVE AND DURABLE

- Intuitive operation by means of a membrane keyboard
- Maximum versatility due to freely selectable illumination scenarios
- 10 freely selectable brightness levels
- Increased reproducibility thanks to memory function
- LED service life of 25 000 hours
- Low costs due to long service life

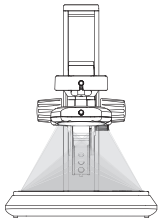
The Solution for Your Applications

The combination of a ring light, oblique illumination and transmitted light (only for Leica LED2500) provides you with a wide range of illumination possibilities. Take advantage of this flexibility to provide the best possible illumination for your samples. You will be surprised at how easily you can attain excellent results.

TAKE ADVANTAGE OF THE OPTIONS

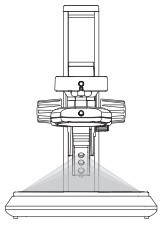
Regardless of the samples you study, with the Leica LED2000 or Leica LED2500, you can find the right illumination mode. Numerous options, combination possibilities and brightness settings allow for a wide variety of uses. The daylight-like color temperature of all LEDs enables you to attain the best results for observation and documentation.

The Leica LED2000 and Leica LED2500 illumination stands set new standards for a wide variety of tasks. You will be impressed by the one-of-a-kind performance.

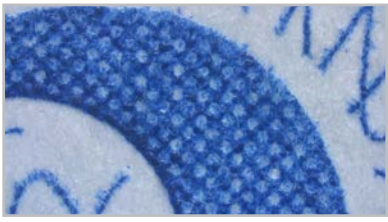


Uniform incident light
This setting achieves the greatest brightness, while the effects of highlights and shadows are reduced by the dominant ring illuminator. This setting is perfect for observing dark and flat samples, as well as samples with little reflectivity.

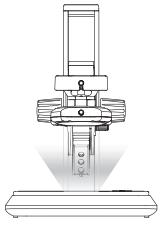
Textile product illuminated with incident light



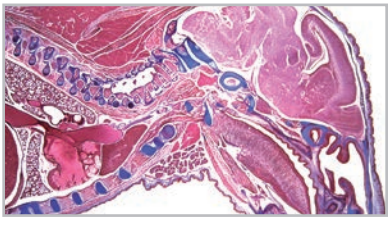
Oblique light shows surface structures
The generated side light creates images with pronounced light/shadow effects not unlike those of a swan-neck light guide. The formation of shadows makes it easier to identify scratches and raised structures.



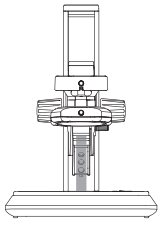
Printed elements of a banknote



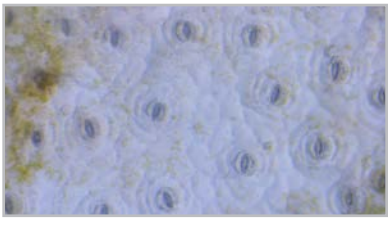
Diffused transmitted light for transparent samples
The transmitted light of the Leica LED2500 can be used to examine transparent samples. The uniform transmitted light is ideally suited for colored, high-contrast samples. With a large diameter of 60 mm, it is also suitable for overview observations at low magnifications.



Cross-section of a mouse



Contrast-enhanced, directed transmitted light
Semi-transparent samples are optimally contrasted with the directed transmitted light. Even structures with minimal contrast are visible through the centrally positioned LED, which emits directed light onto the sample. Ideally suited to high magnification levels.



Stoma of a succulent plant

Further information:
http://www.leica-microsystems.com/products/stereo-microscopes-macroscopes/illumination/details/product/leica-led2500/

Technical Data

ILLUMINATION DATA

Illumination source	Power LEDs, 1.2 W each
Illumination mode	Incident light (4-point ring illuminator & 3-point oblique illumination)
	Transmitted light (only with Leica LED2500)
Average lifespan of the LEDs	25 000 hours
Color temperature	6 100 K incident light 5 800 K transmitted light (only Leica LED2500)
Cooling	Thermal management for LEDs, quiet and vibration-free
Illumination control	Incident light and transmitted light are separately switchable: – 4-point ring illuminator & 3-point oblique illumination – 4-point ring illuminator – 2-point oblique illumination for medium contrast – 1-point oblique illumination for strong contrast Transmitted light scenes: – Uniform, indirect transmitted light – Directed transmitted light function for contrast intensification – Maximum brightness of transmitted lights (all LEDs on)
Brightness control	10 levels
ESD design	antistatic

VOLTAGE DETECTION

Integrated power supply	100 V – 240 V, 50/ 60 Hz
Power consumption	max. 30 W
Available certificates	CE, cUL, UL

DIMENSIONS

Size of the base	331 mm × 257 mm
Height of the base	35 mm
Weight	3.9 kg
Maximum focusing distance	124 mm

ARTICLE NUMBERS

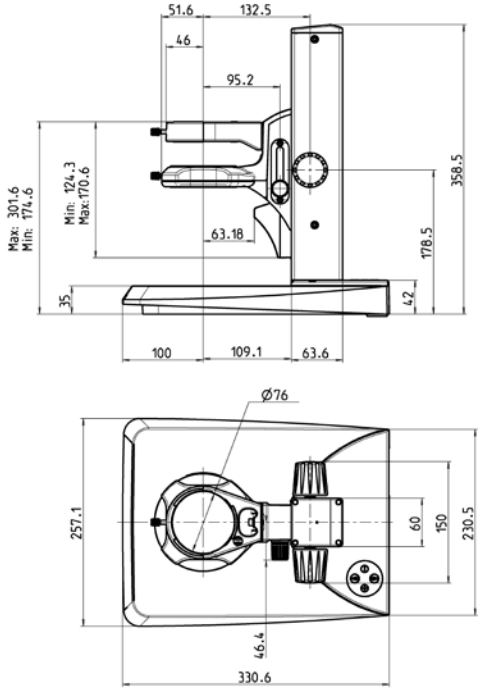
10 450 654	Leica LED2000, 3rd generation
10 450 655	Leica LED2500, 3rd generation

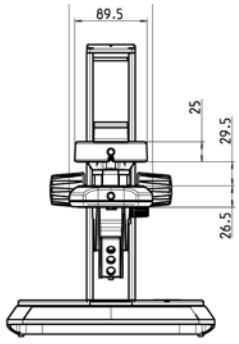
Power cable:

10 445 662	Power cable Europe
10 445 661	Power cable USA
10 280 636	Power cable Switzerland
10 445 663	Power cable Great Britain, standard
13 613 908	Power cable Japan
10 450 012	Power cable Argentinia
10 450 013	Power cable Australia
10 450 014	Power cable China
10 450 015	Power cable Israel
10 450 016	Power cable Italy
10 450 017	Power cable South Africa
10 450 545	Power cable Brazil

Dimensions

Dimensions in mm





www.leica-microsystems.com

MICROSYSTEMS

The statement by Ernst Leitz in 1907, "With the User, For the User," describes the fruitful collaboration with end users and driving force of innovation at Leica Microsystems. We have developed five brand values to live up to this tradition: Pioneering, High-end Quality, Team Spirit, Dedication to Science, and Continuous Improvement. For us, living up to these values means: Living up to Life.

Leica Microsystems operates globally in three divisions, where we rank with the market leaders.

LIFE SCIENCE DIVISION

The Leica Microsystems Life Science Division supports the imaging needs of the scientific community with advanced innovation and technical expertise for the visualization, measurement, and analysis of microstructures. Our strong focus on understanding scientific applications puts Leica Microsystems' customers at the leading edge of science.

INDUSTRY DIVISION

The Leica Microsystems Industry Division's focus is to support customers' pursuit of the highest quality end result. Leica Microsystems provide the best and most innovative imaging systems to see, measure, and analyze the microstructures in routine and research industrial applications, materials science, quality control, forensic science investigation, and educational applications.

MEDICAL DIVISION

The Leica Microsystems Medical Division's focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

Leica Microsystems – an international company with a strong network of worldwide customer services:

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Denmark · Ballerup	+45	4454 0101	4454 0111
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Germany · Wetzlar	+49	64 41 29 40 00	64 41 29 41 55
Italy · Milan	+39	02 574 861	02 574 03392
Japan · Tokyo	+81	3 5421 2800	3 5421 2896
Korea · Seoul	+82	2 514 65 43	2 514 65 48
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Singapore	+65	6779 7823	6773 0628
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Sweden · Kista	+46	8 625 45 45	8 625 45 10
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