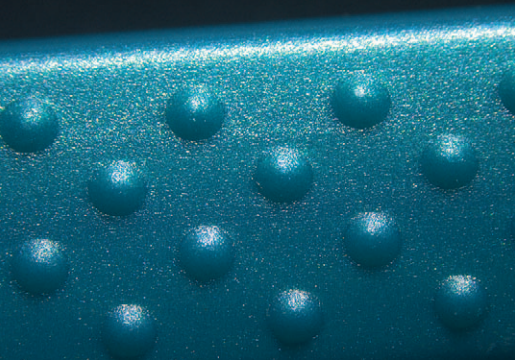
Living up to Life

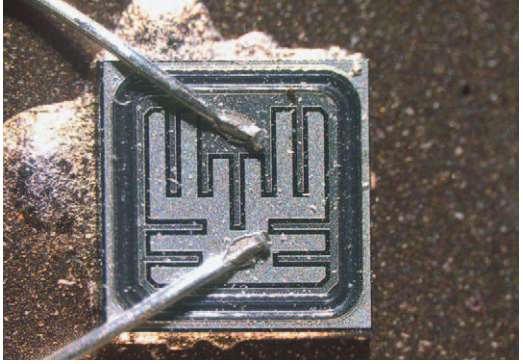
Leica
MICROSYSTEMS

Leica LED2000 & Leica LED2500

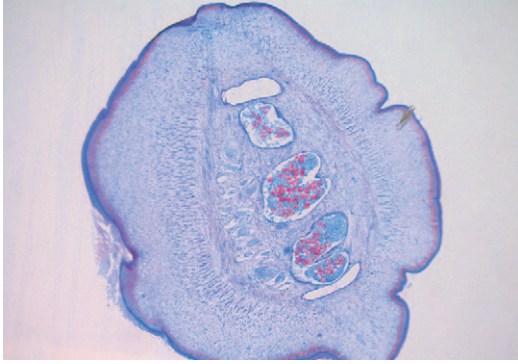
High-performance illumination stands



Razor handle



Wired connection to electrical components



Cross-section of a tape worm

Four-point ring illuminator

› Bright and homogeneous
› Shadow-free

Complete solution

› Robust and compact
› Integrated power supply (100 – 240 V)
› Interior cable duct
› Focusing column, coarse feed
› Easy transport

Three-point oblique illumination

› Adjustable height
› Switchable between medium and strong contrast
› Accentuates edges

Integrated LED illumination

› High-quality LEDs with focusing lens
› 25 000 lifetime hours (without need to change bulbs)
› Color temperature 6500 K for neutral colors
› Constant color temperature at all brightness levels
› Low power consumption
› Repeatable light conditions

Convenient lighting control

› Four scenes can be selected sequentially in incident light
› Separate transmitted light control (LED2500)
› Ten brightness values (incident and transmitted light together)
› Repeatable

Transmitted light

› Bright, homogeneous and diffuse
› 60 mm active light diameter

Compact LED stand

The selection of illumination determines the desired result in stereomicroscopy. The cost-effective, integrated Leica LED2000/LED2500 illumination variant unites stand and illumination together in one unit.

The Leica LED2000 stand is suitable for incident light applications. The built-in 4-point ring illuminator provides a homogeneous, bright illuminated area. The adjustable 3-point oblique illumination delivers a higher contrast on demand.

The Leica LED2500 stand offers an additional transmitted light function that can be used together or controlled separately. The homogeneous, active light diameter of 60 mm is outstandingly suited for inspections with low magnification and with high object fields.

INTUITIVE CONTROL ELEMENT

The control element, consisting of an embedded membrane keyboard, offers high user comfort with great visibility through the raised position. In incident light, the ring illuminator, the arc illumination and a combination of these are switched through in sequences. The Leica LED2500 stand's transmitted light is controlled separately. Ten brightness levels provide for optimal illumination, each according to the requirements of their respective applications.

VARIETY OF LIGHTING

There are two types of lighting available for incident light. The 4-point ring illuminator illuminates workpieces and samples brightly and in an even manner. The 3-point oblique illumination works like a spot illuminator: It increases the contrast in uneven samples, accentuating edges more strongly.
The Leica LED2500 stand additionally offers a bright, diffuse transmitted light illumination for superbly colored, contrast-rich transmitted light samples.

LOW OPERATION COSTS

The stands use very efficient LEDs of the latest generation and deliver a high light output with low power consumption. The LEDs, with a spectrum similar to natural light, still deliver about 50% of their original light output after about 25 000 hours. During this period, an LED defect is also almost ruled out. This makes a bulb change unnecessary and with that saves further costs and prevents unneeded downtime.

ADVANTAGES OF LEICA LED2000/LED2500:

- Very compact – small foot print and 35 mm high base
- No disruptive wiring – because of interior routing of cables
- Simple to operate
- High mobility – easy to transport
- Very robust
- Universally implementable – multiple lighting variants
- Easy installation – plug in power cable and go
- All in one – no components get lost

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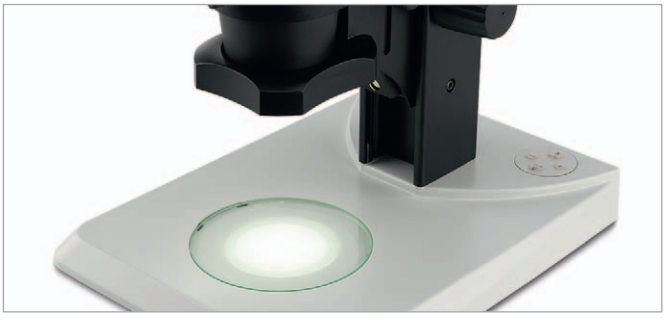
Technical data

ILLUMINATION DATA	
Illumination source	Power LEDs, 1.2 watts each
Illumination mode	Incident light (4-point ring illuminator & 3-point oblique illumination) Transmitted light (only with Leica LED2500)
Average lifespan of the LEDs	25000 hours
Color temperature LED2500)	6500 K (natural light) 5500 K with transmitted light (only Leica
Cooling	Thermal management for LEDs, quiet and vibration-free
Illumination control	Incident light and transmitted light are separately switchable Incident light scenes: › 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
Brightness control	10 levels
ESD design	antistatic

VOLTAGE DETECTION	
Integrated power supply	100 V to 250 V ~ 47 / 63 Hz
Power consumption	max. 30 W
Conforms to the following standards:	CE cUL UL

DIMENSIONS	
Size of the base	331 × 257 mm
Height of the base	35 mm
Weight	3.9 kg



Article numbers

10 450 554	Leica LED2000, 2nd generation
10 450 555	Leica LED2500, 2nd generation
Power cable:	
10 445 662	2 m, Europe
10 445 661	2 m, USA
10 280 636	2.5 m, Switzerland
10 445 663	2 m – 2.5 m, Great Britain, standard
10 447 346	2 m, Japan
10 450 012	Power cable Argentina
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