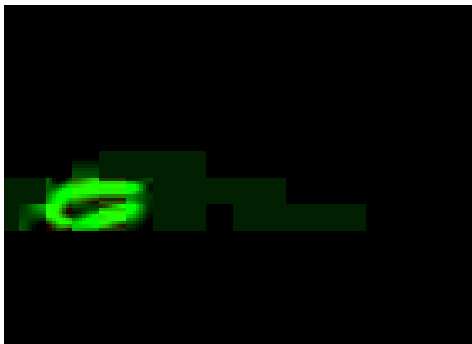


# Leica KL 2500 LCD

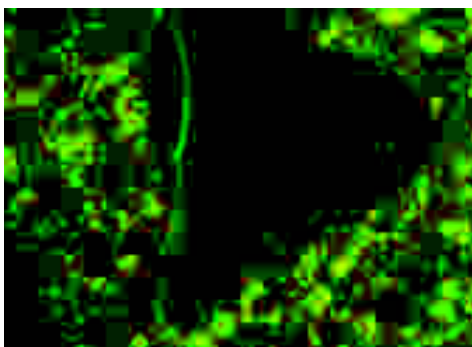
Twice the amount of light - ideal for special application



KL 2500 LCD + incident fluorescent + filter housing



sophila (blue excitation)



crete (blue excitation)

The Leica KL 2500 LCD is the absolute top of the line cold light source.

By using a 250 Watt cold-light reflector lamp, the Leica KL 2500 LCD produces more than twice the light output of the Leica KL 1500 LCD and manyfold more than other standard 150 W models on the market.

This makes the KL 2500 LCD the ideal cold light source for all areas of microscopy where more light output produces better results. Whether it is used to achieve shorter exposure times in macro photography or to gain light reserves in dark-field microscopy, whether as a light source for various fluorescence applications, such as GFP, or in gathering forensic evidence – the Leica KL 2500 LCD is the right device!

In addition, the premier Leica KL 2500 LCD offers the following technical features:

- Filter wheel for 5 insert filters allows fast filter changes.
- Socket for connecting electronic accessories, such as a remote control unit (analogue or digital) or tilt switch.
- The modified clamping jaw allows the use of optic fibers with an active diameter up to 15 mm.

All other functions, accessories and approvals are identical with those of the Leica KL 1500 LCD.

**The best light for best results!**



• Filter wheel with max. five filter positions



• Switch on/off and connector for electronic accessories



• Collect chuck for light guides \ fiber bundle diameters up to 15 mm max.

# Leica KL 1500 LCD

# Leica KL 2500 LCD

Type designation	KL 1500 LCD	KL 2500 LCD
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### General Data

Dimensions (W x D x H)	(mm)	approx. 200 x 265 x 170	approx. 200 x 265 x 170
Weight	(kg)	approx. 4.8	approx. 6.0
Cooling		Low-noise fan	Low-noise fan

### Electrical Data

Operating voltage			
120 Volt version		100 V ~ 50/60 Hz 120 V ~ 60 Hz	100 V ~ 50/60 Hz 120 V ~ 60 Hz
230 Volt version		220 V ... 240 V ~ 50/60 Hz	220 ... 240 V ~50/60 Hz
Protection		Class II	Class II
Lamp type		Halogen reflector lamp	Halogen reflector lamp
Lamp voltage rating	(V)	15	24
Lamp power rating	(W)	150	250
Average lamp service life			
Level 4	(h)	1500	1500
Level 5	(h)	150	150

### Illumination Data

Max. Luminous flux*	(lm)	600	1300
Light control		electrical and mechanical	electrical and mechanical
Active light guide diam.	(mm)	max. 9	max. 15

### Certification Marks

120 Volt version		
230 Volt version	VDE, EMV	VDE, EMV

The 230 V version is marked with the **CE**.

\*) at the lightguide output

Your Sales Contact:

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# Leica KL 1500 LCI KL 2500 LCD

Cold light - the better light  
for your application

*Leica*

# Leica KL 1500 LCD

In-depth expertise in stereomicroscopy and macroscopy



LCD-Display



Electronic and mechanical controls



Top compartment

Cold light sources are devices used for the intensive illumination of objects with infrared-free "cold light" – all heat radiation is filtered out. The remaining visible light is transmitted directly to the object in top quality via optical fibres.

## **Major Applications of the Leica KL 1500 LCD:**

Stereomicroscopy, macroscopy, medical technology, photography, laboratory and industrial uses.

The newly developed devices in the LCD series distinguish themselves with their performance and unique design. They combine perfectly with all other Leica products – both Greenough and main lens systems.

- The LCD display for indicating the colour temperature and various operating modes is strikingly distinctive.
- Two continuous brightness controls - electronic and mechanical enable you to put your object in the right light.
- The Leica KL 1500 LCD, the top model in the 150 Watt class, guarantees extremely uniform transmission of maximum light intensity.

The light source has been tested and approved in accordance with the following standards:

- Electric laboratory instruments (DIN EN 61010-1, UL 3101-1)
- Electrical medical instruments DIN EN 60601-1
- Net harmonic currents DIN EN 61000-3-2 (230 V version)
- The 230 V version bears the VDE and EMC inspection seals and the **CE** mark.

**The best light for best results!**



GZ6 + KL 1500 LCD + bifurcated goose neck



MZ7s + KL 1500 LCD + transmitted-light stand HL

# Extensive range of accessories for all fields of application

**KL 1500 LCD**  
230 V (31 153 200)  
120 V (31 153 201)

**Insert filter with holder**  
blue (31 153 302)  
red (31 153 303)  
green (31 153 304)  
yellow (31 153 305)  
daylight filter (31 153 306)

**Combination light guide**  
single branch, flexible, M-PVC  $\varnothing 4.5$  mm/900 mm  
2-branch, grooved neck,  $\varnothing 4.5$  mm/900 mm  
(31 154 402)  
on LEICA order No. (10 445 954)

**Flexible light guide for D1/D1H (conical) and 500 mm  $\varnothing$  900 mm  $\varnothing$**

**Objective adapter for ILDF on  $\varnothing 50$  mm and GZ 5**  
for LEICA Achromat M3; 1.0x (31 157 952)  
for LEICA Achromat M3; 1.5x (31 157 953)  
for LEICA Achromat M3; 2.0x (31 157 954)  
for LEICA Achromat GZ 5; 2.0x (31 157 954)

**Objective adapter for ILDF on  $\varnothing 45$  mm**  
for LEICA Planachromat M3Z; 1.0x (31 157 951)  
for LEICA Planachromat M3C; M3Z; 1.0x (31 157 951)  
for LEICA Plan M3Z; M3Z; Plan M3Z12; 1.0x (31 157 952)  
for LEICA Planachromat M3; M3Z12; M3APD; 1.0x (31 157 952)  
for LEICA Planachromat M3; M3Z12; M3C; M3Z; M3APD; 1.5x (31 157 952)  
for LEICA Planachromat M3Z; M3Z; 1.0x (31 157 951)  
for LEICA GZ 5 (31 157 951)

**Objective adapter for slit ring light  $\varnothing 50$  mm**  
for LEICA M5; M60 (31 157 401)

**Objective adapter for 4-point ring light and slit ring light  $\varnothing 50$  mm**  
for LEICA M5 - M7 (31 157 421)  
(By using of a protection glass)  
for LEICA Microscope (31 157 422)  
for LEICA M5 - M7 (31 157 423)

**Projection filter**  
for slit ring light  $\varnothing 50$  mm (31 153 433)  
for slit ring light  $\varnothing 45$  mm (31 153 434)

**Holder for Mead ring light  $\varnothing 50$  mm** (31 157 435)

**Slit ring light for incident dark field**  
flexible length approx. 900 mm  
(31 157 405)

**4-point ring light**  
flexible length approx. 900 mm  
 $\varnothing 50$  mm (31 157 407)  
 $\varnothing 55$  mm (31 157 402)

**Small slit ring light**  
flexible length approx. 900 mm  
M-PVC, with changeable adaptor for connecting on  
KL 200/NL250 or KL 1500 LCD/NL 2500 LCD  
 $\varnothing 50.5$  mm (31 157 013)  
 $\varnothing 22.0 / 25.0$  mm (31 157 035)  
 $\varnothing 30.0$  mm (31 157 082)  
 $\varnothing 40.0$  mm (31 157 042)

**Slit ring light**  
flexible length approx. 900 mm  
 $\varnothing 50$  mm (31 157 012)  
 $\varnothing 60$  mm (31 157 403)

**Mead ring light**  
 $\varnothing 50$  mm (31 157 404)

**Spot to line assembly with adjustable front lens, flexible length approx. 900 mm, M-PVC**  
SRL: 50 mm x 1.2 mm (31 153 900)  
SRL: 100 mm x 0.8 mm (31 153 910)  
SRL: 200 mm x 0.3 mm (31 153 920)  
SRL: 300 mm x 0.3 mm (31 153 930)

**Grooved light guide 1-branch**  
 $\varnothing 4.5$  mm/900 mm (31 154 101)

**Grooved light guide 2-branch**  
 $\varnothing 4.5$  mm/900 mm (31 154 201)

**Grooved light guide 3-branch**  
 $\varnothing 4.5$  mm/900 mm (31 154 301)

**Flexible light guide 1-branch, M-PVC**  
 $\varnothing 3.0$  mm/900 mm (31 155 101)  
(only for KL 1500 LCD)  
 $\varnothing 4.0$  mm/900 mm (31 155 102)  
 $\varnothing 4.0$  mm/900 mm (31 155 103)

**Flexible light guide 2-branch, M-PVC**  
 $\varnothing 4.5$  mm/900 mm (31 155 201)  
 $\varnothing 4.5$  mm/900 mm (31 155 202)

**Flexible light guide 3-branch, M-PVC**  
 $\varnothing 4.5$  mm/900 mm (31 155 301)

