



Leica DM IL LED

Technical product information

Inverted microscope for routine and laboratory microscopy
in cell biology and medicine

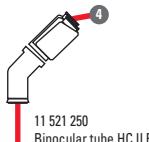
Living up to Life

Leica
MICROSYSTEMS

Leica DM IL LED system overview

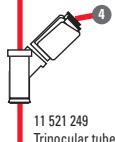
Tube program IL

Binocular tube



11 521 250
Binocular tube HC ILB

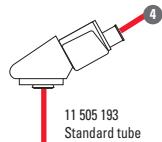
Trinocular tube



11 521 249
Trinocular tube HC ILT

Tube program DM

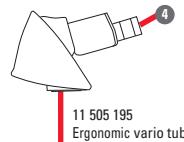
Binocular tube



11 505 193
Standard tube
HC -/4/4



11 505 194
Ergonomic tube 15°
HC -/0/4

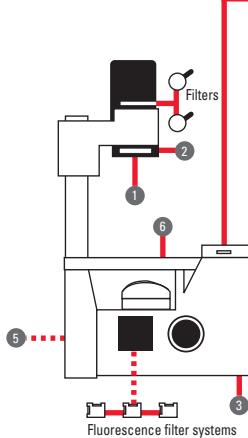


11 505 195
Ergonomic vario tube
HC -/0/4

Discussion attachments for 2 observers

11 521 231
Tube adapter IL/L

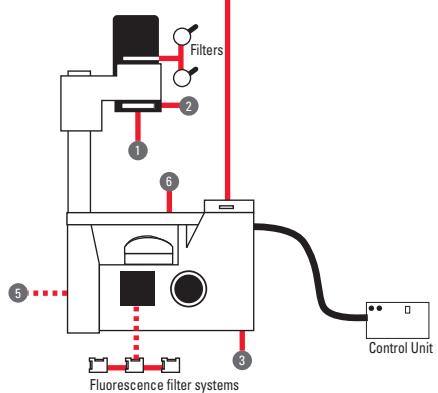
11 505 208
Ergomodul



Leica DM IL LED

with fixed stage
11 521 257
without fluorescence

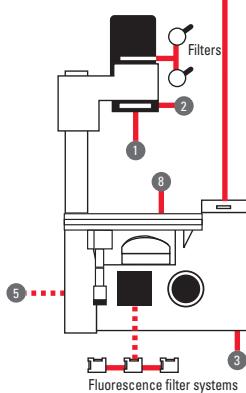
11 521 258
with fluorescence incl. 3-position fluorescence slide



Leica DM IL LED

with heating stage incl. control unit
11 521 259
without fluorescence

11 521 260
with fluorescence incl. 3-position fluorescence slider



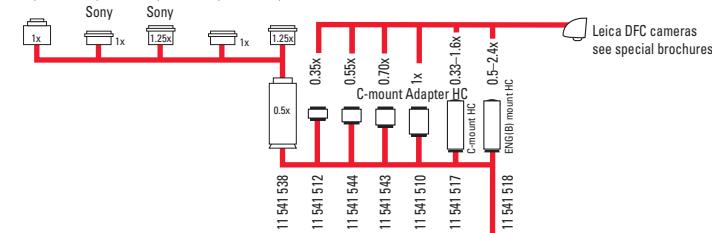
Leica DM IL LED

with 3-plate stage
11 521 261
without fluorescence

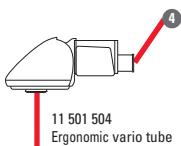
11 521 262
with fluorescence incl. 3-position fluorescence slider

TV systems

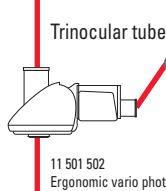
11 543 706 11 543 702 11 541 539 11 541 540 11 541 541
 C-mount 1/2 B-mount 1/2 B-mount 2/3 F-mount 1/2 F-mount 2/3



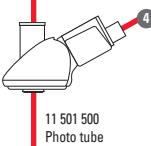
Trinocular tube



11 501 504
Ergonomic variomatic tube
HC LVB 0/4/4

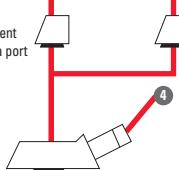


11 501 502
Ergonomic variomatic photo tube
HC L 1VT 0/4/4

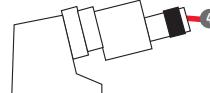


11 501 500
Photo tube
HC L 1T 4/5/7

11 505 161
Tube attachment
with 1 camera port

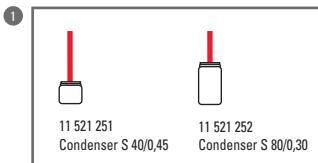


11 505 162
Tube attachment
with 2 camera ports
fix 50:50

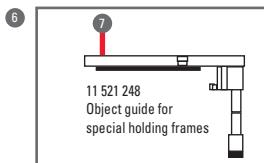


11 505 148
AET 22 – Advanced ergonomics tube
incl. eyepiece extract and tilt

Condensers

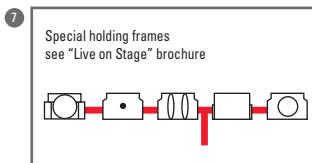


Object guide



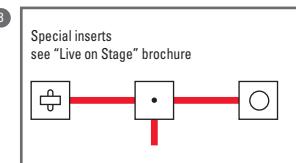
11 521 248
Object guide for
special holding frames

Holding frames for object guide

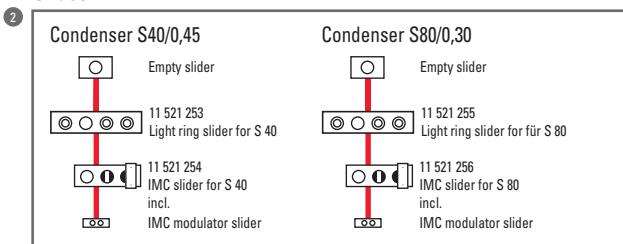


Special holding frames
see "Live on Stage" brochure

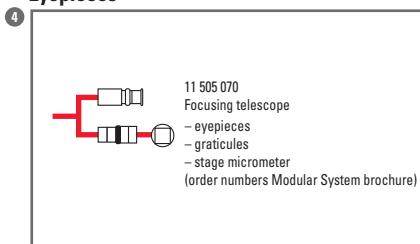
Inserts for 3-plate stage



Slides

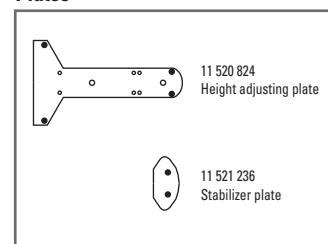


Eyepieces



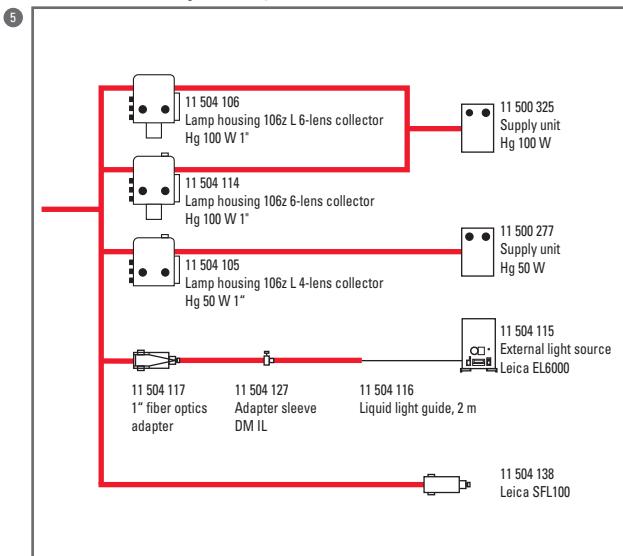
11 505 070
Focusing telescope
– eyepieces
– graticules
– stage micrometer
(order numbers Modular System brochure)

Plates

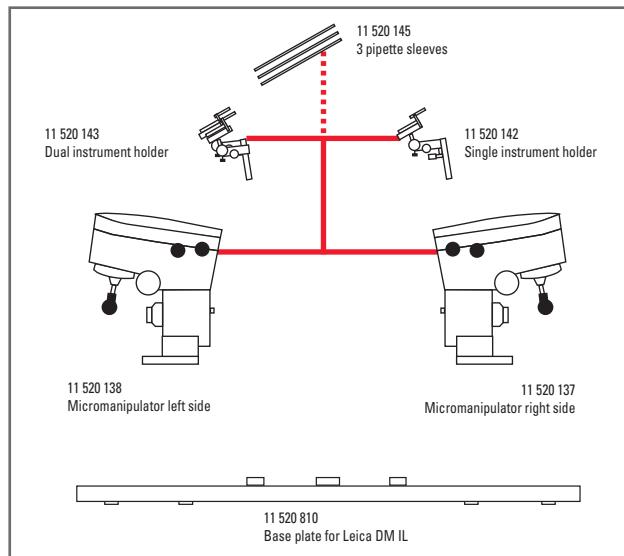


11 520 824
Height adjusting plate
11 521 236
Stabilizer plate

Fluorescence lamp housings



Micromanipulation



The Leica DM IL LED “Package Special”

Transmitted-light illuminator

- 5 watt LED illumination
- Automatic adjustment of illumination to the contrast methods
 - “Auto-off” function
 - Illuminated on/off switch
 - LED with service life of 50,000 hours
 - Constant color temperatures, transmitted-light filter

Phase contrast

- For all magnification levels between 5x and 63x
- For all Leica DM IL LED condensers
- No installation or adjustment required

Integrated Modulation Contrast (IMC)

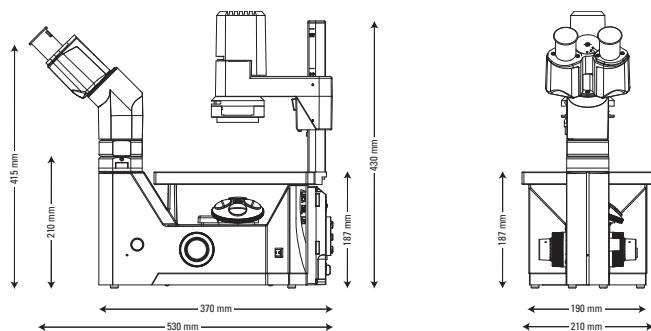
- For all magnification levels between 10x and 40x
- No special objectives required
- For all Leica DM IL LED condensers

Fluorescence

- Slider with three filter cubes with stray-light suppression
- Simultaneous use with transmitted-light contrasting
- Integrated shutter
- Fiber optic coupling (Leica EL6000)
- 50 W/100 W Hg illumination, fluorescence LED illumination (Leica SFL100)

Cost-effective and efficient

- Low energy costs
- No lamp replacement required
- Objectives and eyepieces are compatible with the research stands



www.leica-microsystems.com

Compact and stable

- Lean and sturdy design
- Plenty of room for operation
- Low stage height
- Large dimensions and low center of gravity of microscope
- Large working distances, condensers

Flexible and modular

- Different unheated and heated stages
- 3-plate stages
- Large number of tubes with and without photo port
- Full range of optical components
- Comprehensive application hardware can be adapted
- Contrasting techniques can be retrofitted
- External power supply unit

Wide variety of applications

- Cell biology, micromanipulation (injection, IVF, ICSI)
- Medicine, biotechnology, inspection of cell and tissue cultures
- Developmental biology, transgenics,
- Fluorescence applications such as GFP labeling, molecular biology

Outstanding optics

- HC optics, compatible with high-end components
- Field of view 20 mm

Ergonomics

- Simple and intuitive operation
- Variable viewing heights and stand heights
- All controls are easy to reach
- Unobstructed view of the specimen
- Revolving tubes