# Leica DM IL LED

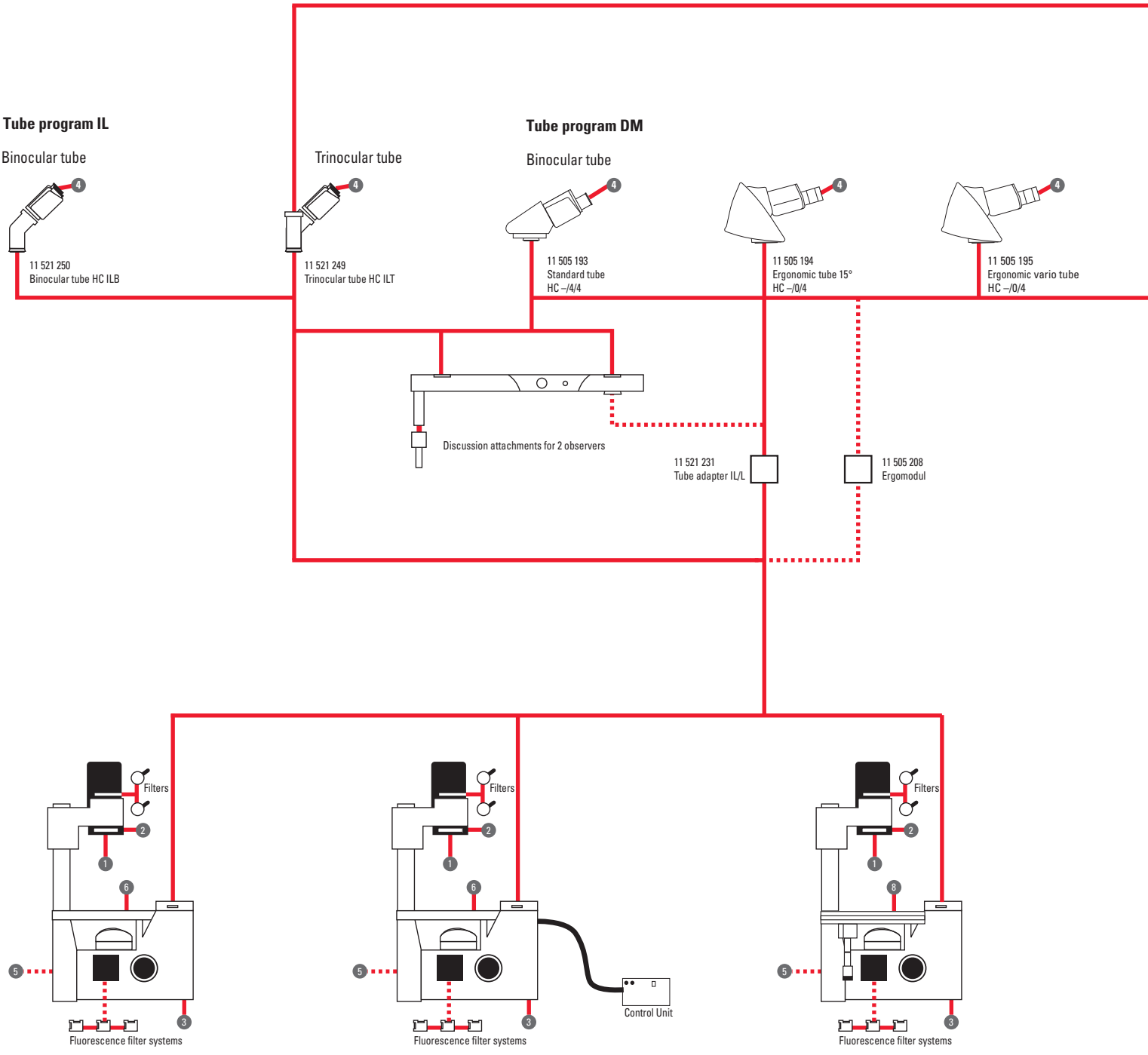
**Technical product information**

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

Living up to Life

Leica
MICROSYSTEMS

# Leica DM IL LED system overview




Leica DM IL LED
with fixed stage
11 521 257
without fluorescence

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

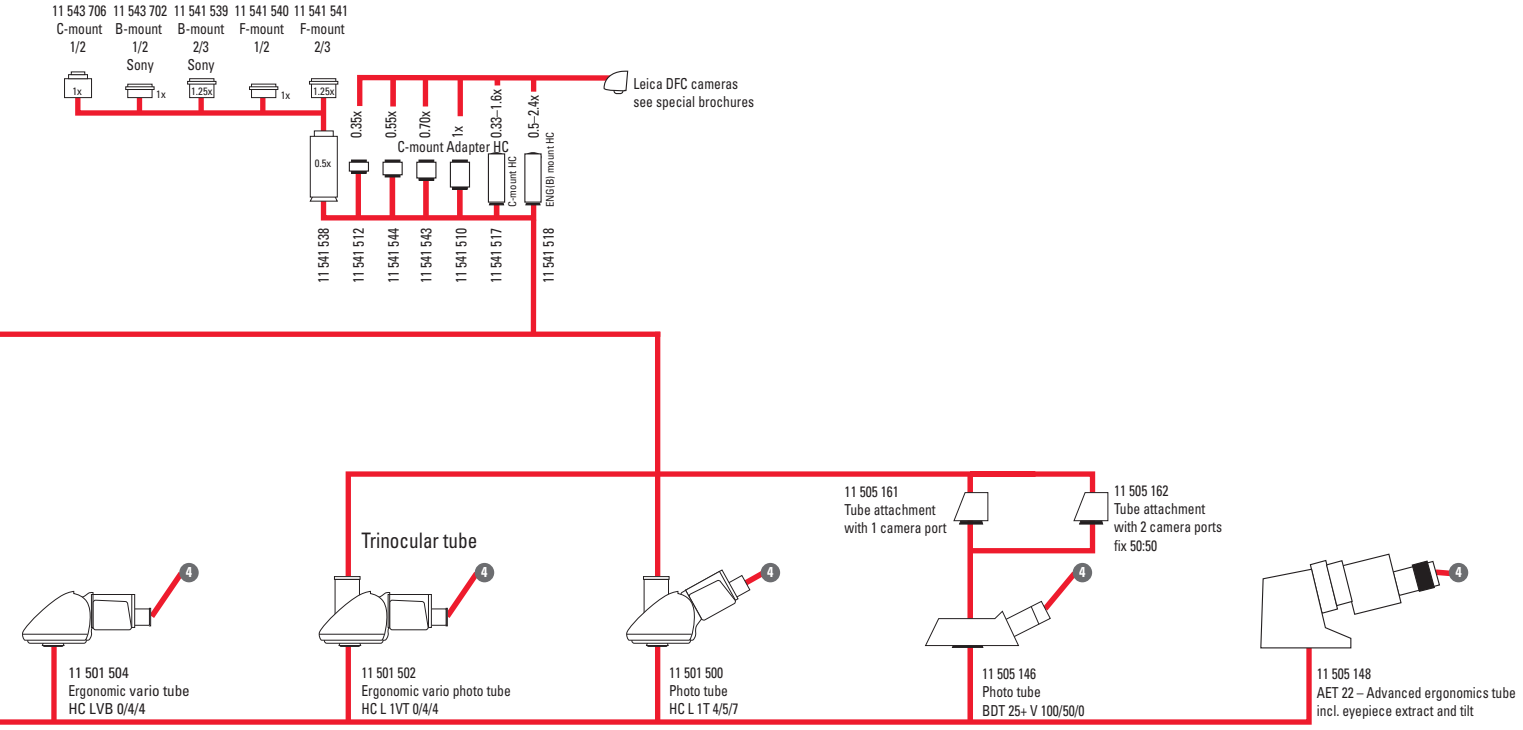
Leica DM IL LED
with heating stage incl. control unit
11 521 259
without fluorescence

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

Leica DM IL LED
with 3-plate stage
11 521 261
without fluorescence

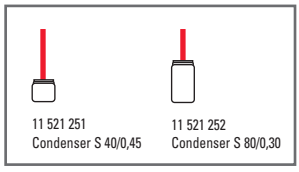
11 521 262
with fluorescence incl. 3-position fluorescence slider

## TV systems



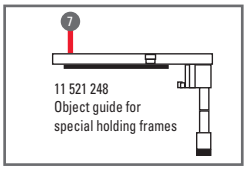

## Condensers

1



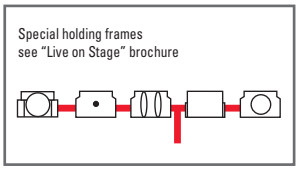

## Object guide

6



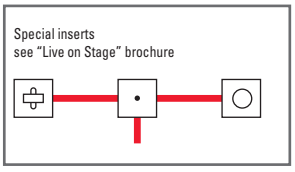

## Holding frames for object guide

7



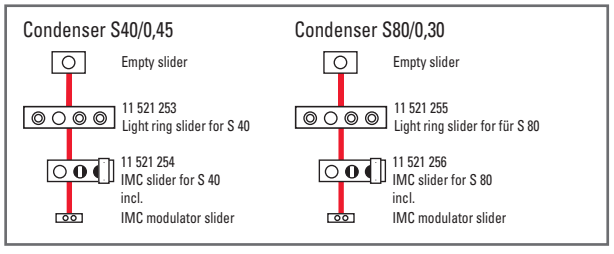

## Inserts for 3-plate stage

8



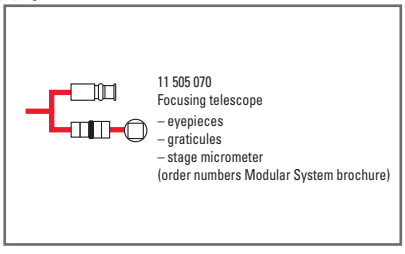

## Slides

2



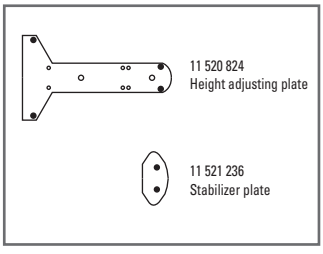

## Eyepieces

4



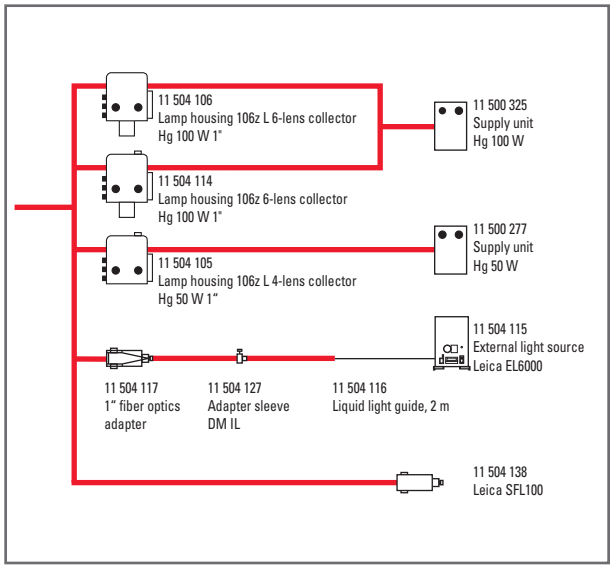

## Plates

3

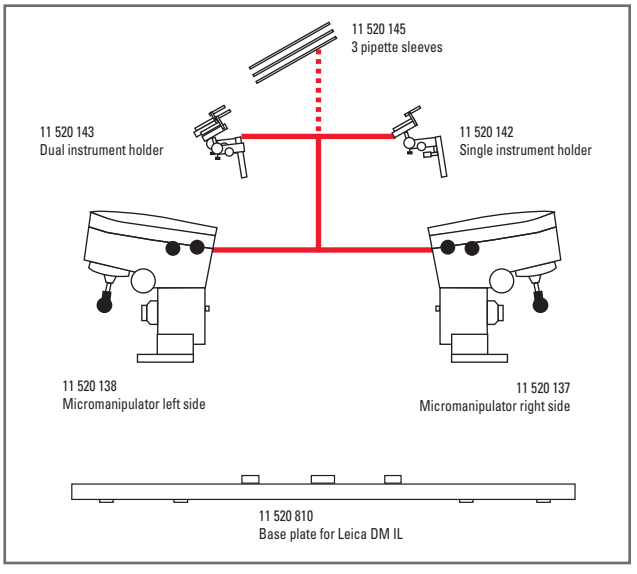



## Fluorescence lamp housings

5




## Micromanipulation



# The Leica DM IL LED "Package Special"

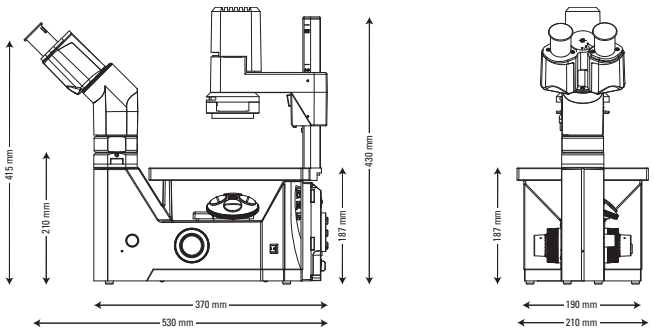
## Transmitted-light illuminator
– 5 watt LED illumination
– Automatic adjustment of illumination to the contrast methods
– "Auto-off" function
– Illuminated on/off switch
– LED with service life of 50,000 hours
– Constant color temperatures, transmitted-light filter

## 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

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