

# **GA**lux Fluorescence Microscope





# Fluorescence Microscope

The GALUX is a microscope for the daily routine work in the demanding environment of universities, clinics, laboratories and other medical applications requiring high optical performance. The full Koehler configuration of this model provides maximum illumination quality for even the most sophisticated samples.

## New EC Plan Achromat Objectives

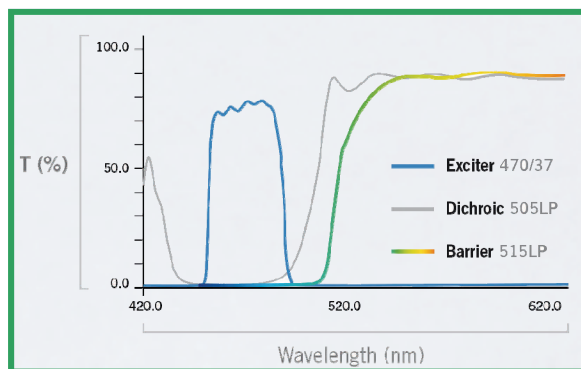
- ⇒ Significantly improved field flatness and resolution
- ⇒ Color corrected infinity optical system (CCIS<sup>®</sup>) concept with multi-layer coated lenses for a fully corrected intermediate image

Magnification	N.A.	W.D. (mm)
EC Plan 4x	0.10	15.90
EC Plan 10x	0.25	17.40
EC Plan 20x	0.45	0.90
EC Plan 40x	0.65	0.50



## LED Fluorescence Module (FITC)

- ⇒ LED light source as well as filter combination with blue excitation and long pass barrier filter
- ⇒ Intensity adjustment protects the sample from bleaching
- ⇒ No warm up period
- ⇒ Fluorescence is turned off automatically when the microscope is left by the user (through IR-Sensor)
- ⇒ Fast change from bright field to fluorescence as well as simultaneous use possible



## Further Technical Specifications

<b>Observation tube</b>	Widefield trinocular 30° (F.N. 20) - light distribution 100:0/20:80
<b>Inter pupillary distance</b>	48 - 75 mm
<b>Rackless stage</b>	180 x 170 mm surface, 80 x 55 mm movement (X&Y range), coaxial controls
<b>Condenser</b>	N.A. 0.9/1.25 Abbe condenser with slider slot
<b>Focusing block</b>	Brass gears, Z-axis movement with 20 mm stroke, fine focus in 2 µm minimum increments
<b>Illumination</b>	Interchangeable 6 V/30 W Quartz Halogen or 3 W LED Koehler illumination with intensity adjustment
<b>Dimensions</b>	500 x 220 x 400 mm (H x W x D with camera)
<b>Power supply</b>	100 - 240 V (CE)

## Camera (optional, equipped with software)

<b>Sensor type</b>	CMOS
<b>Resolution</b>	3 MP
<b>Data transfer</b>	USB 2.0
<b>Supported OS</b>	Microsoft windows XP/Vista/7/8 and Mac OSX

