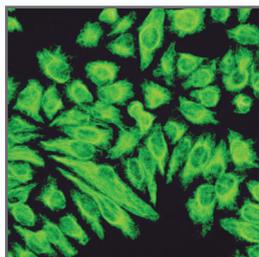
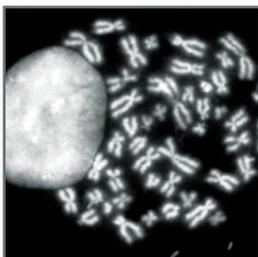
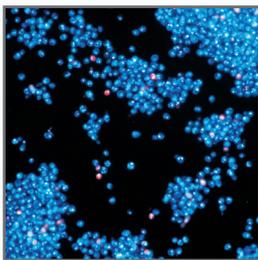


# FLUOLED® 1CFW and 3CFW

Filter Wheel illuminators for 1 and 3 Color reflected light fluorescence

- For single and multiple colour fluorescence.
- Transform a bright field microscope into a unit capable of fluorescence.
- Dedicated vertical illuminators for Light Emitting Diode fluorescence.



FLUOLED® 3CFW on Labomed Lx500 microscope.  
Labomed is a trademark of Labo America Inc.  
FLUOLED is a trademark of Fraen Corporation Srl.

# General Characteristics

**FLUOLED® 1CFW and 3CFW** represent a fast and reliable solution for fluorescence microscopy using light emitting diodes (LED) as a source for excitation.

Different from other LED systems, **FLUOLED® 1CFW and 3CFW** do not require an existing epi-fluorescence illuminator mounted on the microscope, so fluorescence becomes available even on microscopes where original accessories are not commercialized any more.

The illuminator is easily installed between microscope stand and tube within minutes, not requiring any alignment of the light source.

The machined aluminum body offers increased stability and protection of the optical and electronic system components.

Optical components like filter cubes and light sources are typically installed at factory.



**FLUOLED® 1CFW and 3CFW** are designed for infinite focus optical microscopes providing a 23 mm field of view. A field diaphragm is available to size the illumination area.

The illuminator accepts any of the available LED fluorescent excitation cassettes. LED cassettes are self-aligning and maintenance free, with intensities selectable between 0% (off), 50% and 100%.

**FLUOLED® 1CFW** accept one LED cassette, while **FLUOLED® 3CFW** accepts a maximum of three.

Fluorescence excitation is provided by long lasting light emitting diodes (LEDs) mounted into modular cassettes, freely interchangeable and together with additional filter sets can be added to the system at any time.

## FLUOLED® 1CFW and 3CFW

light sources:

	UV	365 nm
	ROYAL BLUE	450 nm
	BLUE	480 nm
	GREEN	535 nm
	YELLOW	590 nm
	RED	630 nm

(more colours available on request)

Dimensions (mm) <b>1CFW</b>	290 (L) x 110 - 135 (W) x 60 (H)
Dimensions (mm) <b>3CFW</b>	385 (L) x 110 - 135 (W) x 60 (H)

Weight (Kg) <b>1CFW</b>	3,8 Kg
Weight (Kg) <b>3CFW</b>	4,3 Kg

Power	100-240VAC 50/60Hz universal voltage
Operating temperature	5°C to +40 °C (41°F to 104°F)
Typical LED life time	30.000 hrs

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