

# Fluorescence Microscope

## Optika Trinocular Fluorescence Microscope Mercury HBO B&G Filterset Model B-383FL ITALY

### Specification

**Head** : Trinocular, 30° inclined, 360° rotating. Interpupillary adjustment 48-75 mm.

**Eyepieces** : WF10X/20mm.

**Nosepiece** : 5-position reversed revolving nosepiece. Ball bearing rotation.

**Objectives** : IOS E-PLAN 4x/0.10, 10x/0.25, 20x/0.40, 40x/0.65, 100x/1.25 (oil).

**Focusing system** : Coaxial coarse and fine.

**Stage** : Double layer mechanical sliding stage, dimensions 216x150mm, moving range 78x54mm. Belt-drive in X direction.

**Condenser** : Abbe condenser, sliding-in, N.A. 1.25 with centering system.

**Illumination** : Transmitted light: X-LED<sup>3</sup>, with manual brightness control.

Epi-fluorescence: HBO 100W high pressure mercury bulb.

### Standard filterset

Name	Excitation filter (nm)	Dichroic mirror cut-off (nm)	Emission filter (nm)
B (Blue)	450 - 480	500	515LP
G (Green)	510 - 550	570	590LP



## Optika Trinocular Fluorescence Microscope LED B Filterset Model B-383LD1 ITALY

### Specification

**Head** : Trinocular, 30° inclined, 360° rotating. Interpupillary adjustment 48-75 mm.

**Eyepieces** : WF10X/20mm

**Nosepiece** : 5 position on reversed revolving nosepiece. Ball bearing rotation.

**Objectives** : IOS E-PLAN 4x/0.10, 10x/0.25, 20x/0.40, 40x/0.65, and 50x/0.75 (no cover slide).

**Focusing system** : Coaxial coarse and fine.

**Stage** : Double layer mechanical sliding stage, dimensions 216x150mm, moving range 78x54mm. Belt-drive in X direction.

**Condenser** : Abbe condenser, sliding-in, N.A. 1.25 with centering system.

**Illumination** : Transmitted light: X-LED<sup>3</sup>, with manual brightness control.

Epi-fluorescence: high-power blue LED.

### Standard filterset

Name	Excitation filter (nm)	Dichroic mirror cut-off (nm)	Emission filter (nm)
B (Blue)	460 - 490	505	515LP



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# Fluorescence Microscope

## Optika Trinocular Fluorescence Microscope IOS Objectives LED B&G Filter set Model B-383LD2 ITALY

### Specification

**Head** : Trinocular, 30° inclined, 360° rotating. Interpupillary adjustment 48-75 mm.

**Eyepieces** : WF10X/20mm.

**Nosepiece** : 5-position reversed revolving nosepiece.

Ball bearing rotation.

**Objectives** : IOS E-PLAN 4x/0.10, 10x/0.25, 20x/0.40, 40x/0.65, and 50x/0.75 (no cover slide).

**Focusing system** : Coaxial coarse and fine.

**Stage** : Double layer mechanical sliding stage, dimensions 216x150mm, moving range 78x54mm.

Belt-drive in X direction

**Condenser** : Abbe condenser, sliding-in, N.A. 1.25 with centering system.

**Illumination** : Transmitted light: X-LED3, with manual brightness control.

Epi-fluorescence: high-power white LED (for B and G filtersets).

**Standard filterset** :

Name	Excitation filter (nm)	Dichroic mirror cut-off (nm)	Emission filter (nm)
B (Blue)	460 – 490	505	515LP
G (Green)	510 – 550	570	590LP



## Optika Trinocular EPI Fluorescence Microscope Mercury HBO B&G Filter set Model B-500TiFL ITALY

### Specification

**Optical system** : Mechanical tube length: IOS - Infinity Optical System; parfocal distance 45 mm.

**Head** : Trinocular, 30° inclined, 360° rotating. Diopter adjustment; interpupillary distance adjustment 55-75 mm.

**Eyepieces** : Wide Field 10x/22 mm.

**Nosepiece** : 5-position reversed revolving nosepiece. Ball bearing linear guides.

**Objectives** : IOS Planachromatic FLUO 4x/0.13, 10x/0.30, 20x/0.50, 40x/0.75

**Specimen stage** : Double layer with mechanical sliding stage, 175x145 mm; moving range 76x51 mm.

**Focusing system** : Rack and pinion mechanism, with coaxial coarse and fine control knobs. Fine adjustment graduation 0.002 mm. Vertical movement range: 20 mm. Tension control on right side; upper stage drive stop on left side.

**Condenser** : Centrable Abbe condenser (swing-out type) with double lens. N.A. 0.9 Fitted with iris diaphragm. Height adjustment by a rack and pinion mechanism.

**Transmitted illumination** : X-LED<sup>3</sup> illumination system.

**Incident illumination** : HBO 100W high pressure mercury bulb for epi-fluorescence.



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