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OPTIKA B-383LD Trinocular LED Fluorescence Microscope

Brand: OPTIKA Microscope**Product Code:** OPB-383LD1 / OPB-383LD2**Your Price: \$3,776.00**

Available Options

*** Model:**

- ☐ OPB-383LD1 - Blue Filter Set Only
- ☐ OPB-383LD2 - Blue & Green Filter Sets (+\$559.00)

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The OPTIKA B-380 is an educational and laboratory microscope for routine applications. Dye-cast frame, with high stability and ergonomy, for transmitted light observation.

GENERAL FEATURES

Optical system & objectives:

The models of the B-380 series are equipped, depending on version, with two different types of optical systems: the standard 160mm one and the infinity corrected system (IOS). In both cases the field diameter of the eyepieces is 20mm.

Microscope stand:

Modern and ergonomic, this stand is made of die-cast aluminum. Coarse and fine focusing (graduation: 0.002mm) with coaxial control knobs. Adjustable focusing tension and limit stop.

Heads:

The heads are equipped with interpupillary distance control (55-75 mm) as well with dioptric compensation. All heads are 360° rotatable and 30° inclined.

Illumination:

The illuminating system consists of X-LED source. The brightness can be adjusted by a rheostat located on the left side of the microscope base.

X-LED³ - The future of illumination OPTIKA is proud to introduce its own revolutionary LED powered illumination system. Developed by our R&D dept. it consists of a new combination of LED and optical technology. A new high-efficiency single chip LED works in combination with a special optical lens, which allows to double the intensity of the light generated by the LED itself. The result is a quantity of light equivalent to the light generated by a standard 50W halogen bulb, but with a color temperature of 6300K. It means white light instead of the yellow one produced by halogen bulbs.

The electrical consumption (3.6W only) shows the high efficiency of the system: same light intensity with less than 10% of the consumption of a standard halogen bulb. Last but not least, the lifetime of our LED is 50.000 hours, instead of 1.500 hours ...!

MADE IN ITALY

B-383LD1 & B-383LD2 Specifications

Head	Trinocular, 30° inclined, 360° rotating. Interpupillary adjustment 48-75 mm.
Eyepieces	Wide Field 10X/20 mm
Objectives	IOS E-PLAN 4x/0.10, 10x/0.25, 20x/0.40, 40x/0.65, and 50x/0.75 (no cover slide).
Nosepiece	5-position reversed revolving nosepiece. Ball bearing rotation.

Stage	Double layer mechanical sliding stage, dimensions 216x150mm, moving range 78x54mm. Belt-drive in X direction.
Focusing	Coaxial coarse and fine focusing with limit stop
Condenser	Abbe condenser, sliding-in, N.A. 1.25 with centering system.
Illuminator	Transmitted light: X-LED3, with manual brightness control. Epi-fluorescence: high-power blue LED (B filter set). (B-383LD1) Epi-fluorescence: high-power white LED (B and G filter sets). (B-383LD2)
Warranty	Five (5) Years mechanical and optical parts Two (2) Years electrical

Standard Filter Set

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

Shipping Dimensions: 13.4" x 13.4" x 21.3" / 34cm x 34cm x 54cm, 14.2" x 14.2" x 8.2" / 36cm x 26cm x 21cm

Shipping Weight: 10.36 lb / 4.70 kg, 17.63 lb / 8.00 kg



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