



Model:

**B-192PLI**

Typology:

**ROUTINE MICROSCOPE B-192PLI**

**Description:**

*Educational and laboratory microscope for routine applications.*

*Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

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| <b>Illumination</b>      | Light source type X-LED with white LED; light intensity control using a knob on left side of the frame.<br>LED power 3W, comparable to an halogen bulb 30-35W.<br>Color temperature: 6300K<br>LED average life time approx. 50.000h.<br>Voltage: external power supply 100/240Vac, 50/60Hz, output: 7,5 V<br>Max power required: 7W  |
| <b>Observation Modes</b> | Brightfield  |
| <b>Focusing</b>          | Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen.<br>Adjustable tension of coarse focusing knob.   |
| <b>Stage</b>             | Double layer with mechanical sliding stage, size 125x115mm, X-Y movement range 76x30, specimen holder for one slide.<br>Vernier scale on the two axes, accuracy 0,1 mm.  |
| <b>Nosepiece</b>         | Quadruple revolving nosepiece, rotation on ball bearings.  |
| <b>Head</b>              | Binocular observation head, inclined 30° and rotatable 360°.<br>Diopter adjustment on left eyepieces.<br>Interpupillary adjustment 48-75 mm.   |
| <b>Eyepieces</b>         | Wide field eyepieces WF10X/18 with field number 18.  |
| <b>Objectives</b>        | Plan-Achromatic Infinity Corrected system, made by following objectives:<br>-) Plan-Achromatic IOS DIN 4X, A.N. 0.10, W.D. 18 mm<br>-) Plan-Achromatic IOS DIN 10X, A.N. 0.25, W.D. 7 mm<br>-) Plan-Achromatic IOS DIN 40X, A.N. 0.65, W.D. 0,53 mm<br>-) Plan-Achromatic IOS DIN 100X, A.N. 1,25, W.D. 0,13 mm (oil immersion)<br>All objectives are treated with an anti-fungus treatment. |
| <b>Condenser</b>         | Abbe condenser, N.A. 1,25 precentered  |
| <b>Dimensions</b>        | HEIGHT: 370 mm<br>WIDHT: 235 mm<br>DEPTH: 290 mm<br>WEIGHT: 6,5 kg   |
| <b>Accessories</b>       | Instruction manual and dust cover included   |