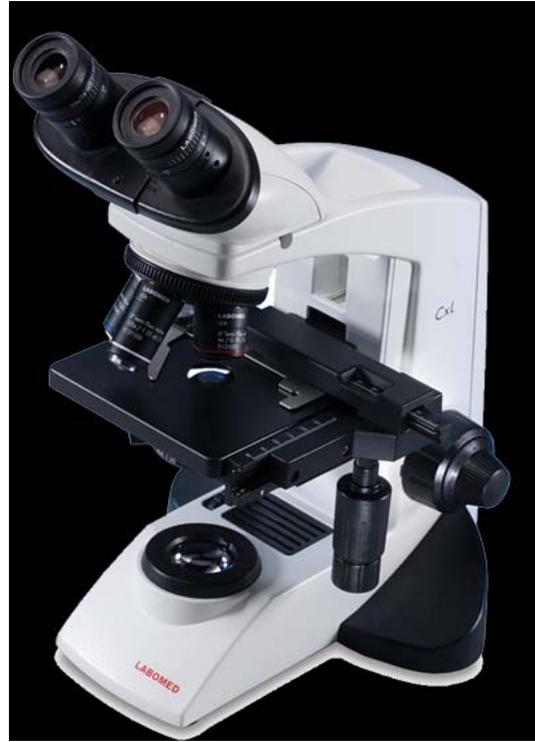


# M1100-100



## M1100-100 Binocular Educational Microscope

Designed for both classroom and laboratory environments, the M1100-100 reflects a fresh design composed of a durable **aluminum die-cast stand**, **high throughput glass and optical coatings**, and **brass gears**, all of which position the M1100-100 to withstand the most demanding of user environments. And with lead-free optics and paints, the M1100-100 is a truly eco friendly solution.

### M1100-100 Advantages:

- LP series **Semi-Plan optics** provide crisp images at all magnifications thanks to high-efficiency coatings and the highest quality of glass in the world.
- With the option of **Halogen** (2,000 hrs bulb life) or a bright **LED** (100,000 hours bulb life) illumination system, users are privileged with choice.
- Designed with the user in mind, the M1100-100 offers a **Captive Rotation** feature that enables users to easily and safely rotate the viewing head, making the system ideal for multi-user environments and easy storage.

## M1100-100 Specifications:

**Stand:** Single mold aluminum die-cast with ergonomic handrests for enhanced comfort and stability.

**Viewing Bodies:** 45° inclined, 360° "captive" rotation, Interpupillary distance 54 - 74mm

**Eyepiece:** Widefield 10x/18mm focusable eyepieces with foldable eye guard, lockable, antifungal coating

**Nosepiece:** Quadruple nosepiece turret (Ball bearing type) with rubber grip

**Objectives:** LP series DIN Semi-Plan Achromatic objectives 4x, 10x, 40x (spring loaded), 100x (spring loaded, oil), antifungal

**Mechanical stage:** Rectangular stage 135 x 124mm, X/Y travel range 76mm x 50mm. Low drive movement controls, single specimen holder

**Condenser:** Sub stage Abbe condenser NA 1.25 with aspheric lens. Iris diaphragm with snap-in blue filter. Rack and pinion movements on metal guides

**Focusing:** Co-axial coarse and fine focusing on ball drive system for smooth operation. BRASS rack and pinion stage drive. Fine drive movement 0.3mm/rotation

**Illumination:** LED or Halogen 6V-20W illumination with variable illumination control. Up to 100,000 hours of LED life and 2,000 hours of Halogen lamp life

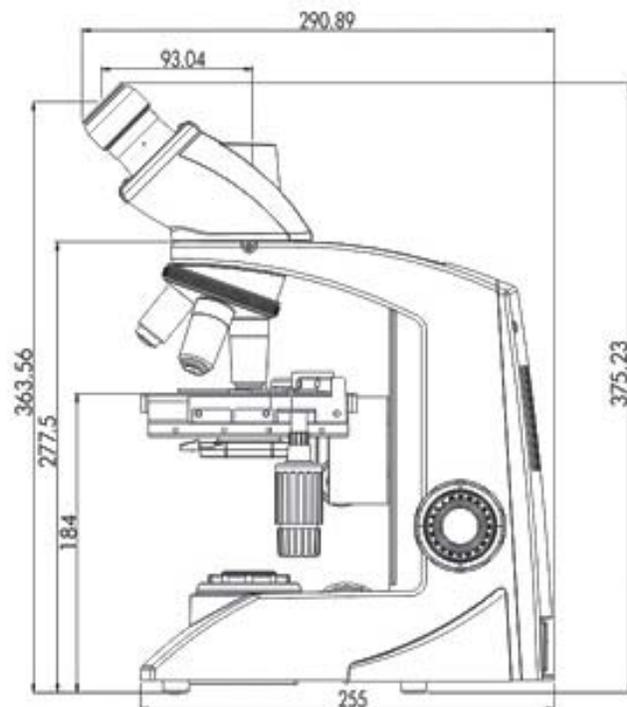
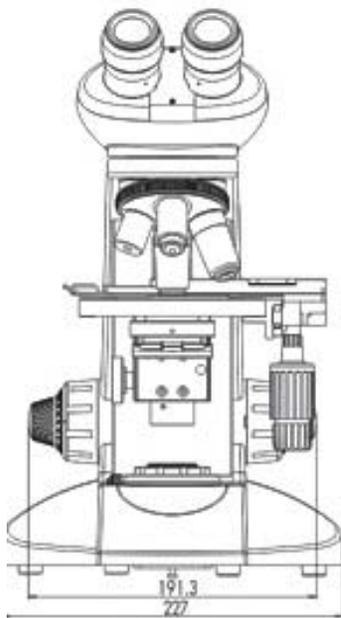
**Electronics:** Universal input 100V- 240V AC, 50/60Hz, built in voltage stabilizer

**Package Contents:** Packed in Styrofoam box, with operation manual, allen wrench, nylon dust cover, cleaning cloth, power cord, spare bulb, spare fuse and 10ml immersion oil type

**Warranty Information:** 5 Year Parts, 1 Year Electronics, 2 Year Digital

**Accessories (Optional):** Pointers and Micrometer reticules, Phase, Polarizing and Dark Field Kits, Application Specific Objectives and Eyepieces, Cord Hanger Kit, Digital Camera (3mp) and Adapters

Dimensions (Units: mm)



# System Configurations with Accessories:

