

# OPTIC75BL Binocular Biological Microscope LED Light WF10X/18mm

## Product Details

Product Number

PRO4469



## Technical Specification:

**OPTIC75BL binocular biological microscope with LED illumination** is a compact and economical model designed for classrooms and daily laboratory inspection. Its stable metal frame, mechanical X/Y stage and dependable transmission illumination make it suitable for long-term routine use. Typical applications include **schools, universities, clinical screening, veterinary labs** and basic biology workflows where reliability, fast focusing and consistent LED light are essential.

### Key features

- **Binocular head** (30° inclined, 360° rotatable, diopter adjustable).
- **Mechanical X/Y stage** (right-hand), 0.1 mm division.
- **Abbe condenser NA 1.25** with iris diaphragm and filter holder.
- **WF 10×/20 eyepieces** (super widefield).
- **Adjustable LED illumination** (3 W typical) / halogen option depending on variant.

### Where it fits best

- Routine slide and smear inspection.
- Education and live demonstrations.
- Basic microbiology and clinical screening.
- Veterinary laboratories and mobile field use (carry handle).

## PRACTICAL USE

# Daily setup checklist (fast)

For stable results: set LED intensity, centre and adjust condenser height, configure interpupillary distance and diopter, focus at low magnification, then switch to higher objectives.  
For sensitive samples use the rack-stop to avoid objective contact, and adjust coarse-focus tension for the operator.

COLO.SCIENCE CONTEXT

COLO.Science microscope bundles are positioned for fast deployment in classrooms and routine labs. Imaging and adapter options can be proposed per application (phase contrast, darkfield). For specific contrast methods, configuration is proposed based on application.

COLO.Science explanation →

## TECHNICAL SPECIFICATIONS — OPTIC75BL (CONFIGURATION PER VARIANT)

Head	Binocular (typical), 30° inclined, 360° rotatable, diopter adjustable
Optical system	Infinity corrected, Standard DIN 160 mm (per variant / PDF when available)
Objectives	4× / 10× / 40× / 100× oil (typical)
Condenser	Abbe NA 1.25 with iris diaphragm + filter holder; centering and leveling
Stage	Mechanical X/Y (right-hand), 0.1 mm division
Illumination	LED transmission, 3 W adjustable (typical) / halogen optional per variant
Application	Biotechnology, clinical routine, education, lab, veterinary

Included items (typical)

- Microscope with binocular head
- Power cord
- Dust cover
- User manual

Accessories: