



Product Code . JL-M-8072

Binocular 5W LED Kohler Illumination

Description

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Descriptions:-

A new generation of microscopes features plan achromatic optics.

Equipped with 5w LED lamp, field diaphragm, Abbe condensers and other optical components.

The compact body is designed for flexibility which can perform various applications such as brightfield, darkfield.

The standard Kohler illumination system provides uniformly bright and free-from-glare specimen illumination, which optimizes a high image quality with brighter and sharper resolutions for photomicrography.

Specification:-

Viewing Head

JLab binocular head which will not change the length in the eyepiece tubes when interpupillary distance adjustments are made

30° inclined and 360° rotatable, fully up or down swivelled eyepiece tubes to adjust the viewing height to meet individual requirements

Interpupillary adjustment of 48mm-75mm

Eyepiece

Wide field (WF)10x/22mm

High eye point, with eye guard

Both eyepieces are diopter adjustable, which allows the image and reticule to be brought into focus at the same time.

Optional reticule eyepiece for measurement purposes; choice of 0.1mm/1cm grid, 0.1mm/1cm cross or plain cross hair available (not included)

Nosepiece

Revolving reversed quadruple objective nosepiece accepts four objectives which are color-coded, parcentered and parfocaled.

The nosepiece runs on ball bearings and has internal click stops so that the image remains centred after each change in magnification.

Objectives:-

Plan Achromatic DIN 4X/0.10 160/0.17

Plan Achromatic DIN 10X/0.25 160/0.17

Plan Achromatic DIN 40XR/0.65 160/0.17

Plan Achromatic DIN 100XR/1.25 oil 160/0.17

40XR and 100XR objectives are retractable which have resilient mounts for specimen protection

Focusing System

Low position coaxial coarse and fine focus knobs

37.7mm per coarse rotation

0.1mm per fine rotation, fine focus graduation of 1µm

Focusing range 16mm

Tension adjustment eliminates focus drift

Stage

216mmx150mm built-in double layer mechanical stage

Smooth X/Y calibrated movement with cross travel range 7.5cm x 5.5cm

Non-extending rack

Graphite surface, rounded edges

Illumination

Built-in Kohler illumination with field diaphragm, provides uniformly bright and free-from-glare specimen illumination

N.A. 1.25 Abbe condensers which height is controlled by a rack and pinion gear system that allows the condenser focus to be adjusted for proper illumination of the specimen

Adjustable aperture iris diaphragm incorporated into the condenser, which is important in securing correct illumination, contrast, and depth of field; a graduated scale indicates the approximate adjustment (size) of the aperture diaphragm corresponding to respective objectives.

5w LED for optimum illumination and contrast

With light intensity control

Other Characters

Ergonomically designed metal frame for stability and durability

Carrying handle integrated in the back of the stand for easy carrying

Arm and base made of one piece construction

Antifungal treatment prevents fungal growth

Cord holder for convenient storage

Optional Accessory

Dark field kit

Polarizing kit
