

# i4 Epi Lumin™



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For users requiring a multi-purpose microscope for expanding health services, LW Scientific introduces the new i4 Epi Lumin™ Fluorescence microscope. With integrated LED technology for both bright field and epifluorescence microscopy, the i4 Epi Lumin™ offers superior clarity and crisp imaging—all at a price that allows even labs on a limited budget to benefit from the latest technological advances.

The Lumin™ epifluorescence module converts our standard i4 microscope to a fully functional epifluorescence microscope. The resulting images rival those obtained from traditional, expensive epifluorescence systems.



Designed, Engineered & Assembled  
Proudly in America

## HEAD

Binocular (Seidentopf), Trinoc available  
Digital cameras and adapters available  
Diopter adjustment  
Inclined 30°, rotates 360°  
10X/18 WF Eyepieces  
(10X/20X Super WF HP eyepieces available)  
Interpupillary distance range 55-75mm

## NOSEPIECE

Reverse quadruple nosepiece  
Multiple ball bearing mounted

## OBJECTIVES

Infinity Semi-Plan or Plan Achromat objectives  
4X, 10X, 40XR, 100XR (oil)  
20X and 50X (oil) objective also available  
Anti-fungal, parfocal, parcentric, color-coded

## ILLUMINATION

### Brightfield:

Moveable Abbe condenser, NA 1.25  
Iris Diaphragm  
Input: 12V 1A  
(use only supplied power adapter)  
Power Adapter: Input 100-240v  
50-60 Hz auto-switching

### Epifluorescence:

LED long-life light source  
Excitation spectrum: FITC standard  
Other filter cubes available upon request

Model #	Description
I4S-EPB4-IPL3	i4 Epi Lumin™ (490/510nm) Infinity PLAN Binoc, LED, 4-10-40-100
I4S-EPT4-IPL3	i4 Epi Lumin™ (490/510nm) Infinity PLAN Trinoc, LED, 4-10-40-100
I4S-EPB4-ISL3	i4 Epi Lumin™ (490/510nm) Infinity Semi-Plan Binoc, LED, 4-10-40-100
I4S-EPT4-ISL3	i4 Epi Lumin™ (490/510nm) Infinity Semi-Plan Trinoc, LED, 4-10-40-100

## FOCUS

Coarse adjustment: range of 30mm  
Fine adjustment: graduation of 2µm  
Tension control knob

## STAGE

Mechanical stage (140mm X 140mm)  
Coaxial drive controls, metal rack & pinion  
Range of traverse: 73mm x 43mm  
Stage locking lever  
Slow-close hydraulic slide finger

## DIMENSIONS

Height: 18" (457.2mm)  
Length: 10.7" (267.5 mm)  
Width: 6.1" (152.5 mm)  
Weight: 24 lbs (10.9 kg)



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