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# 100X Oil Immersion Objective, CFI Plan Achromatic

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## Product Downloads

### General

**Model Number:**  
MRL01903

**Compatible Tube Lens Focal Length (mm):**  
Focal Length: 200mm

**Type:**  
Microscope Objective

**Style:**  
InfinityCorrected

**Manufacturer:**

Nikon

## Physical & Mechanical Properties

0.22 **Field of View (mm):**

59.67 **Length excluding Threads (mm):**

27.5 **Maximum Diameter (mm):**

170 **Weight (g):**

## Optical Properties

0.17 **Compatible Cover Glass Thickness (mm):**

0.064 **Horizontal Field of View, 1/2" Sensor:**

0.088 **Horizontal Field of View, 2/3" Sensor:**

100X **Magnification:**

1.25 **Numerical Aperture NA:**

0.2 **Working Distance (mm):**

22 **Field Number (mm):**

59.87 **Parfocal Length (mm):**

Oil **Immersion Liquid:**

## Sensor

2/3" **Maximum Sensor Format:**

## Threading & Mounting

M25 x 0.75 **Mounting Threads:**

## Regulatory Compliance

[View](#) **Certificate of Conformance:**

Japan **Country of Origin:**

**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## Product Details

- Exceptional Flat-Field Imaging
- High Numerical Apertures and Oil Immersion Options Available
- Wide Magnification Range (1X to 100X)

Nikon's CFI Plan Achromat Objectives deliver exceptional flat-field imaging ensuring sharp, distortion-free clarity across the entire field of view, making these objectives ideal for both visual inspection and high-precision digital imaging. With high numerical apertures and specialized oil immersion options available, these objectives offer enhanced resolution and light-gathering capability for demanding high-magnification applications. Nikon CFI Plan Achromat Objectives are available in 1X up to 100X magnification, providing solutions for low-magnification overviews or detailed high-resolution imaging. Color corrected for the entire visible spectrum; these objectives are suitable for brightfield and fluorescence observation in routine lab work and photomicrography.

## Technical Information

