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# Olympus MPLN 50X Objective

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## Product Downloads

### General

**Model Number:**  
MPLN50X

**Compatible Tube Lens Focal Length (mm):**  
Focal Length: 180mm

**Type:**  
Microscope Objective

**Style:**  
InfinityCorrected

**Manufacturer:**

## Physical & Mechanical Properties

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

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

24 **Maximum Diameter (mm):**

113 **Weight (g):**

## Optical Properties

N/A **Compatible Cover Glass Thickness (mm):**

3.60 **Focal Length FL (mm):**

50X **Magnification:**

0.75 **Numerical Aperture NA:**

0.45 **Resolving Power ( $\mu\text{m}$ ):**

0.49 **Depth of Field ( $\mu\text{m}$ ):**

0.38 **Working Distance (mm):**

400 - 700 **Wavelength Range (nm):**

22 **Field Number (mm):**

45 **Parfocal Length (mm):**

N/A **Immersion Liquid:**

5.40 **Entrance Pupil Diameter (mm):**

## Threading & Mounting

RMS / 20.32mm x 36 TPI **Mounting Threads:**

## Regulatory Compliance

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

## Product Details

- Ideal for Transmitted or Reflected Brightfield Microscopy
- Produce Flat Images Up to Field Number (F.N.) 22
- Excellent Price-to-Performance Ratio
- Additional [Olympus Infinity Corrected Objectives](#) Available

Olympus MPlan Achromatic Objectives are designed for brightfield observations, providing excellent contrast and optimum flatness throughout the field of view. Engineered for inspection of silicon wafers, metals, and other industrial microscopy applications, these objectives may also be used in Raman microscopes and other reflected light techniques without coverslip correction. Olympus MPlan Achromatic Objectives are available in 5X-100X magnifications and provide excellent image flatness up to F.N. 22. [Olympus Plan Achromatic Objectives](#) are also available for observing biological specimens.