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# Olympus LUCPLFLN40X2 40X Objective

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## Product Downloads

### General

**Model Number:**  
LUCPLFLN40X2

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

**Type:**  
Microscope Objective

**Style:**  
Infinity Corrected

**Manufacturer:**  
Olympus

## Physical & Mechanical Properties

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

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

29.00 **Maximum Diameter (mm):**

140 **Weight (g):**

## Optical Properties

0.00 - 2.00 **Compatible Cover Glass Thickness (mm):**

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

40X **Magnification:**

0.60 **Numerical Aperture NA:**

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

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

2.70 - 4.00 **Working Distance (mm):**

340 - 1300 **Wavelength Range (nm):**

26.5 **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

[Exempt](#) **RoHS 2015:**

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

[Contains SVHC\(s\)](#) **Reach 247:**

## Product Details

- Long Working Distances to Image Through Dishes, Bottles, or Slides
- Correction Collars to Precisely Adjust Working Distance
- Ideal for Inverted Microscope Configurations

Olympus Long Working Distance Plan Semi Apochromatic Objectives are designed for long working distances to image samples through dishes, bottles, slides, or other vessels. These objectives feature correction collars to precisely adjust the working distance based on thickness of the vessel to obtain clear specimen images. They offer a large field number of 26.5, transmission from the UV to the NIR, and correct for chromatic aberration at blue, green and red wavelengths. Olympus Long Working Distance Plan Semi Apochromatic Objectives are ideal for use with inverted microscope configurations, including standard microscopes or custom inverted setups.