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## Olympus PLN 100X Oil Immersion, Ph3, Phase Contrast Objective



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### Product Downloads

### General

**Model Number:**  
PLN100XOPH

**Type:**  
Microscope Objective

**Style:**  
Phase Contrast

**Manufacturer:**  
Olympus

**Note:**  
Recommended Immersion Oil #86-834 Requires Ph3 phase annulus for phase contrast observation

## Physical & Mechanical Properties

0.22 Field of View (mm):

44.73 Length excluding Threads (mm):

24 Maximum Diameter (mm):

## Optical Properties

N/A Compatible Cover Glass Thickness (mm):

1.80 Focal Length FL (mm):

100X Magnification:

1.25 Numerical Aperture NA:

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

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

0.15 Working Distance (mm):

22 Field Number (mm):

45 Parfocal Length (mm):

Oil Immersion Liquid:

1760 Depth of Focus ( $\mu\text{m}$ ):

4.50 Entrance Pupil Diameter (mm):

## Threading & Mounting

RMS / 20.32mm x 36 TPI Mounting Threads:

## Regulatory Compliance

[View](#) Certificate of Conformance:

## Product Details

- Flat-Field Plan Achromat Design for Sharp, Distortion-Free Images
- Precision Phase Ring Matching (Ph1, Ph2, Ph3) For Optimal Contrast
- Available In Multiple Magnifications (10X, 20X, 40X) Plus A 100X Oil Immersion Option
- Optimized For the UIS2 Optical System, Ensuring Seamless Integration with Olympus CX43

Olympus PLN Phase Contrast Objectives provide high-performance imaging for precise cellular analysis on the [Olympus CX43](#) microscope. These objectives are engineered for accurate phase contrast imaging across magnifications, offering excellent contrast and flat-field correction. Designed specifically for the UIS2 optical system, they deliver sharp, high-clarity images ideal for live, unstained specimens. Olympus PLN Phase Contrast Objectives, such as the 10X Ph1 ([#86-935](#)) and 100X Ph3 oil ([#87-013](#)), ensure reliable results across a wide range of biological applications. Their consistent quality and compatibility with standard Olympus phase contrast condensers make them a trusted choice for professional labs.