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



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General

PLN100XOPH **Model Number:**

Microscope Objective **Type:**

Phase Contrast **Style:**

Olympus **Manufacturer:**

Note:
Recommended Immersion Oil #86-834 Requires

Physical & Mechanical Properties

Field of View (mm):

0.22

Length excluding Threads (mm):

44.73

Maximum Diameter (mm):

24

Optical Properties

Compatible Cover Glass Thickness (mm):

N/A

Focal Length FL (mm):

1.80

Magnification:

100X

Numerical Aperture NA:

1.25

Resolving Power (μm):

0.27

Depth of Field (μm):

0.27

Working Distance (mm):

0.15

Field Number (mm):

22

Parfocal Length (mm):

45

Immersion Liquid:

Oil

Depth of Focus (μm):

1760

Entrance Pupil Diameter (mm):

4.50

Threading & Mounting

Mounting Threads:

RMS / 20.32mm x 36 TPI

Regulatory Compliance

Certificate of Conformance:

[View](#)

Country of Origin:

Japan

Imported By:

Edmund Optics India Private Limited
 267, Greystone Building, Second Floor,
 6th Cross Rd, Binnamangala,
 Stage 1, Indiranagar, Bengaluru,
 Karnataka, India 560038
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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.