

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



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1

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€2.080¹⁰⁰

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Product Downloads

General	
PLN100XOPH	Model Number:
Microscope Objective	Type:
Phase Contrast	Style:
Olympus	Manufacturer:
Note:	

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

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

Threading & Mounting

Mounting Threads:
RMS / 20.32mm x 36 TPI

Regulatory Compliance

Certificate of Conformance:
[View](#)

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 10XPh1 ([#86-935](#)) and 100XPh3 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.