

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



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SPECIFICATIONS

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	
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 (μm):
0.27	Depth of Field (μm):
0.15	Working Distance (mm):
22	Field Number (mm):
45	Parfocal Length (mm):
Oil	Immersion Liquid:
1760	Depth of Focus (μm):
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 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.