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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 Properties0.22 **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):**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 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.