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## Olympus PLN 10X, Ph1, Phase Contrast Objective



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### Product Downloads

#### General

PLN10XPH **Model Number:**

Microscope Objective **Type:**

Phase Contrast **Style:**

Olympus **Manufacturer:**

**Note:**

Requires Ph1 phase annulus for phase contrast observation

## Physical & Mechanical Properties

2.2 Field of View (mm):

34.27 Length excluding Threads (mm):

24 Maximum Diameter (mm):

## Optical Properties

N/A Compatible Cover Glass Thickness (mm):

18.00 Focal Length FL (mm):

10X Magnification:

0.25 Numerical Aperture NA:

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

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

10.6 Working Distance (mm):

22 Field Number (mm):

45 Parfocal Length (mm):

N/A Immersion Liquid:

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

9.00 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.