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# Olympus PLN 20X Objective

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#86-814

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⊖  1  ⊕   **€510**<sup>.00</sup>

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## General

**Model Number:**
1-U2B225

**Compatible Tube Lens Focal Length (mm):**
Focal Length: 180mm

**Type:**
Microscope Objective

**Style:**
Infinity Corrected

**Manufacturer:**

Olympus

## Physical & Mechanical Properties

**Field of View (mm):**

1.1

**Length excluding Threads (mm):**

43.70

**Maximum Diameter (mm):**

24

**Weight (g):**

112.0

## Optical Properties

**Compatible Cover Glass Thickness (mm):**

0.17

**Focal Length FL (mm):**

9.00

**Magnification:**

20X

**Numerical Aperture NA:**

0.40

**Resolving Power (µm):**

0.84

**Depth of Field (µm):**

1.72

**Working Distance (mm):**

1.2

**Field Number (mm):**

22

**Parfocal Length (mm):**

45

**Immersion Liquid:**

N/A

**Depth of Focus (µm):**

688

## Threading & Mounting

**Mounting Threads:**

RMS / 20.32mm x 36 TPI

## Regulatory Compliance

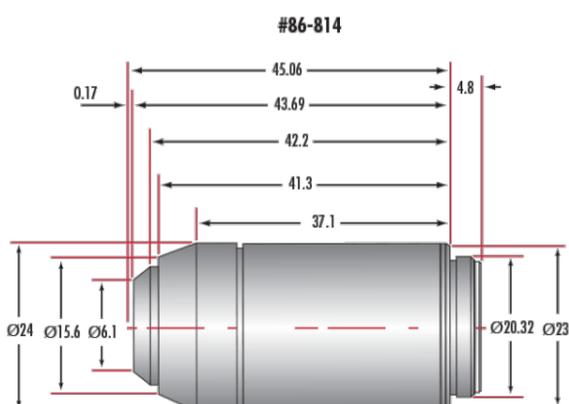**RoHS 2015:**

Exempt

**Reach 223:**

Contains SVHC(s)

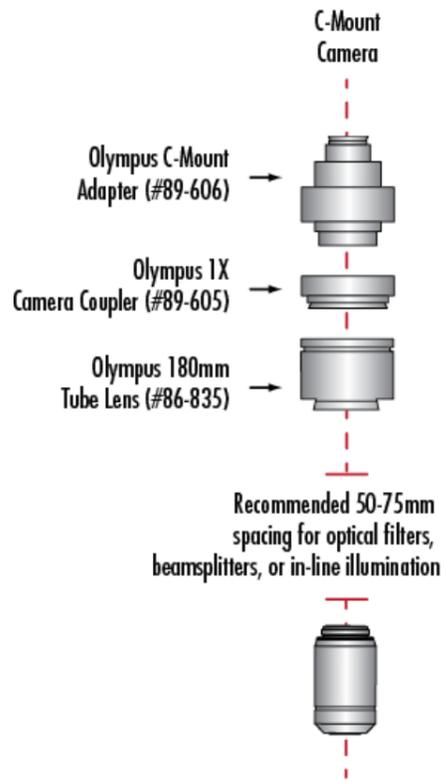**Certificate of Conformance:**

View

# Product Details

- Ideal for Brightfield, Darkfield, or Fluorescence Microscopy
- Excellent Price-to-Performance Ratio
- Suitable for Introductory and Advanced Optical Microscopy Applications
- Additional Olympus Infinity Corrected Objectives Available

Olympus Plan Achromatic Objectives are designed for clinical laboratory or examination applications. When using brightfield observation in a transmitted illumination system, Olympus Plan Achromatic Objectives provide excellent field flatness of up to F.N.22.

# Technical Information



#86-814

## Using Olympus Objectives with C-Mount Cameras

C-Mount Camera

Olympus C-Mount Adapter (#89-606) →

Olympus 1X Camera Coupler (#89-605) →

Olympus 180mm Tube Lens (#86-835) →

Recommended 50-75mm spacing for optical filters, beamsplitters, or in-line illumination

| | Stock # | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|---|
| PLN 2X | 16-879 | 39.1 | 3.4 | 0.0 | 16.8 | 16.8 | 24.0 | 4.5 |
| PLN 4X | 86-812 | 26.4 | 4.4 | 0.0 | 15.8 | 15.8 | 24.0 | 4.5 |
| PLN 10X | 86-813 | 34.3 | 4.1 | 1.6 | 10.5 | 16.0 | 24.0 | 4.5 |
| PLN 20X | 86-814 | 43.7 | 4.2 | 2.4 | 6.1 | 15.6 | 24.0 | 4.8 |
| PLN 40X | 86-815 | 44.3 | 4.2 | 3.0 | 7.5 | 15.6 | 24.0 | 4.5 |
| PLN 100X | 86-816 | 44.7 | 4.2 | 2.5 | 6.6 | 15.6 | 24.0 | 4.5 |

45.06 (Parfocal Length)

Ø20.32