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Olympus LUCPLFLN40X2 40X Objective

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General

Model Number:
LUCPLFLN40X2

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

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:
Olympus

Physical & Mechanical Properties

Field of View (mm):
0.66

Length excluding Threads (mm):
40.94

Maximum Diameter (mm):
29.00

Weight (g):
140

Optical Properties

Compatible Cover Glass Thickness (mm):
0.00 - 2.00

Focal Length FL (mm):
4.50

Magnification:
40X

Numerical Aperture NA:
0.60

Resolving Power (µm):
0.56

Depth of Field (µm):
0.76

Working Distance (mm):
2.70 - 4.00

Wavelength Range (nm):
340 - 1300

Field Number (mm):
26.5

Parfocal Length (mm):
45

Immersion Liquid:
N/A

Threading & Mounting

Mounting Threads:
RMS / 20.32mm x 36 TPI

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

Reach 247:
Contains SVHC(s)

Product Details

- Long Working Distances to Image Through Dishes, Bottles, or Slides
- Correction Collars to Precisely Adjust Working Distance
- Ideal for Inverted Microscope Configurations

Olympus Long Working Distance Plan Semi Apochromatic Objectives are designed for long working distances to image samples through dishes, bottles, slides, or other vessels. These objectives feature correction collars to precisely adjust the working distance based on thickness of the vessel to obtain clear specimen images. They offer a large field number of 26.5, transmission from the UV to the NIR, and correct for chromatic aberration at blue, green and red wavelengths. Olympus Long Working Distance Plan Semi Apochromatic Objectives are ideal for use with inverted microscope configurations, including standard microscopes or custom inverted setups.