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Olympus 10X WLI Objective

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General

Model Number:
WLI10XMRTC

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

Type:
Microscope Objective

Style:
Infinity Corrected

Manufacturer:
Olympus

Note:
Designed to be used with a 180mm Tube Lens, Sold Separately

Physical & Mechanical Properties

Field of View (mm):
2.2

Length excluding Threads (mm):
36.80

Maximum Diameter (mm):
29.7

Optical Properties

Focal Length FL (mm):
18.00

Magnification:
10X

Numerical Aperture NA:
0.30

Resolving Power (µm):
1.12

Depth of Field (µm):
3.06

Working Distance (mm):
8.2

Field Number (mm):
22

Parfocal Length (mm):
45

Depth of Focus (µm):
305.6

Threading & Mounting

Mounting Threads:
RMS / 20.32mm x 36 TPI

Regulatory Compliance

RoHS 2015:
Exempt

Certificate of Conformance:
View

Product Details

- Combines High Numerical Aperture and Broad Field of View
- Thermal Compensation & Stability Features
- Suitable for 3D Surface Metrology and Profilometry

Olympus WLI Infinity Corrected Interferometry Objectives' advanced optical design combines a high numerical aperture with a broad field of view, capturing fine surface details across large areas for visual clarity. Each objective features a built-in adjustment ring that compensates for temperature-induced focused shifts, allowing stability and consistent measurement accuracy even under unstable environmental conditions. These objectives are designed to be used with a 180mm focal length tube lens and are available in magnification of 10 – 50X. Olympus WLI Infinity Corrected Interferometry Objectives are ideal for 3D surface metrology and profilometry applications, including semiconductor inspection, precision machining, optical coating evaluation, and microelectronic characterization.

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