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Olympus 50X WLI Objective

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General

Model Number:
WLI50XMRTC

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

0.44	Field of View (mm):
44.00	Length excluding Threads (mm):
31.5	Maximum Diameter (mm):

Optical Properties

3.60	Focal Length FL (mm):
50X	Magnification:
0.80	Numerical Aperture NA:
0.42	Resolving Power (μm):
0.43	Depth of Field (μm):
1	Working Distance (mm):
22	Field Number (mm):
45	Parfocal Length (mm):
1074.2	Depth of Focus (μm):
5.76	Entrance Pupil Diameter (mm):

Threading & Mounting

RMS / 20.32mm x 36 TPI	Mounting Threads:
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Regulatory Compliance

Exempt	RoHS 2015:
View	Certificate of Conformance:

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.