

Olympus 50X WLI Objective

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£8,466⁰⁰

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Product Downloads

General	
Model Number:	WLI50XMRTC
Compatible Tube Lens Focal Length (mm):	Focal Length: 180mm
Type:	Microscope Objective
Style:	Infinity Corrected

Olympus	Manufacturer:
Designed to be used with a 180mm Tube Lens, Sold Separately	Note:
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:
0.8	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):
Threading & Mounting	
RMS / 20.32mm x 36 TPI	Mounting Threads:
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.