

# Olympus 10X WLI Objective

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## Product Downloads

### General

**Model Number:**  
WLI10XMRTC

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

**Type:**  
Microscope Objective

**Style:**  
InfinityCorrected

**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 ( $\mu\text{m}$ ):  
1.12

Depth of Field ( $\mu\text{m}$ ):  
3.06

Working Distance (mm):  
8.2

Field Number (mm):  
22

Parfocal Length (mm):  
45

Depth of Focus ( $\mu\text{m}$ ):  
305.6

Entrance Pupil Diameter (mm):  
10.80

## 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.