

# Olympus UMPLFLN 20XW Objective

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Olympus UMPLFLN 20XW Objective, #34-556

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## Product Downloads

### General

UMPLFLN20XW **Model Number:**

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

Microscope Objective **Type:**

Infinity Corrected **Style:**

Olympus **Manufacturer:**

### Physical & Mechanical Properties

1.33 **Field of View (mm):**

41.50 **Length excluding Threads (mm):**

21 **Maximum Diameter (mm):**

70 **Weight (g):**

### Optical Properties

N/A **Compatible Cover Glass Thickness (mm):**

9.00 **Focal Length FL (mm):**

20X **Magnification:**

0.50 **Numerical Aperture NA:**

0.67 **Resolving Power ( $\mu\text{m}$ ):**

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

3.5 **Working Distance (mm):**

400 - 700 **Wavelength Range (nm):**

26.5 **Field Number (mm):**

45 **Parfocal Length (mm):**

Water **Immersion Liquid:**

9.00 **Entrance Pupil Diameter (mm):**

### Threading & Mounting

RMS / 20.32mm x 36 TPI **Mounting Threads:**

### Regulatory Compliance

[View](#) **Certificate of Conformance:**

## Product Details

- Water Immersion Objectives with Excellent DIC and Fluorescence
- Displays Flat Images From High Transmission Factors up to the Near-Infrared Region of the Spectrum
- Ideal for Fluorescence Imaging of Tissue and Specimens, such as Brain Tissue
- Magnification Ranges from 10X to 60X

Olympus Water Immersion Objectives offer low to high magnification with extremely high numerical apertures and long working distances. By using water in place of oil, you can effectively overcome common problems with aberrations. Similar to oil immersion objectives, these water immersion objectives are useful for thinly cut tissue sections and living cell imaging, along with other neuroscience applications. Olympus Water Immersion Objectives feature excellent transmission in the IR region, making these lenses are suitable for IR-DIC and fluorescence applications. High numerical apertures also provide superb image quality in combination with most confocal laser microscopes.

## Technical Information

	Stock #	A	B	C	D	E	F
UMPLFN 10XW	<a href="#">#34-555</a>	41.5	9.7	7	15.7	21	4.5
UMPLFN 20XW	<a href="#">#34-556</a>	41.5	9.7	7	15.7	21	4.5

LUMPLFN 40XW	#34-557	41.7	9.9	7.2	15.8	21	4.5
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