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# Olympus LUMPLFLN 40XW Objective

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Olympus LUMPLFLN 40XW Objective, #34-557

Stock **#34-557** [CONTACT US](#)

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+

A\$6,336<sup>00</sup>

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| General                                                        |               |
|----------------------------------------------------------------|---------------|
| 1-U2M587                                                       | Model Number: |
| Compatible Tube Lens Focal Length (mm):<br>Focal Length: 180mm |               |
| Microscope Objective                                           | Type:         |
| Infinity Corrected                                             | Style:        |
|                                                                | Manufacturer: |

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Olympus                          |                                        |
| Physical & Mechanical Properties |                                        |
| 0.66                             | Field of View (mm):                    |
| 41.70                            | Length excluding Threads (mm):         |
| 21                               | Maximum Diameter (mm):                 |
| 70                               | Weight (g):                            |
| Optical Properties               |                                        |
| N/A                              | Compatible Cover Glass Thickness (mm): |
| 4.50                             | Focal Length FL (mm):                  |
| 40X                              | Magnification:                         |
| 0.80                             | Numerical Aperture NA:                 |
| 0.42                             | Resolving Power (μm):                  |
| 0.57                             | Depth of Field (μm):                   |
| 3.3                              | Working Distance (mm):                 |
| 400 - 700                        | Wavelength Range (nm):                 |
| 26.5                             | Field Number (mm):                     |
| 45                               | Parfocal Length (mm):                  |
| Water                            | Immersion Liquid:                      |
| 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 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   |
|---------------|-------------------------|------|-----|-----|------|----|-----|
| UMPLFLN 10XW  | <a href="#">#34-555</a> | 41.5 | 9.7 | 7   | 15.7 | 21 | 4.5 |
| UMPLFLN 20XW  | <a href="#">#34-556</a> | 41.5 | 9.7 | 7   | 15.7 | 21 | 4.5 |
| LUMPLFLN 40XW | <a href="#">#34-557</a> | 41.7 | 9.9 | 7.2 | 15.8 | 21 | 4.5 |

