

# Olympus LMPLFLN 50X Objective

See More by [Olympus](#)



Olympus MPlan Fluorite Semi Apochromat Infinity Corrected Objectives

Stock **#88-205** 1 In Stock

-

1

+

€4.135<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1+         | €4.135,00 each                |
| Need More?     | <a href="#">Request Quote</a> |

**i** Prices shown are exclusive of VAT/local taxes

Product Downloads

| General                                                        |               |
|----------------------------------------------------------------|---------------|
| 1-U2M850                                                       | Model Number: |
| Compatible Tube Lens Focal Length (mm):<br>Focal Length: 180mm |               |
| Microscope Objective                                           | Type:         |
| Infinity Corrected                                             | Style:        |

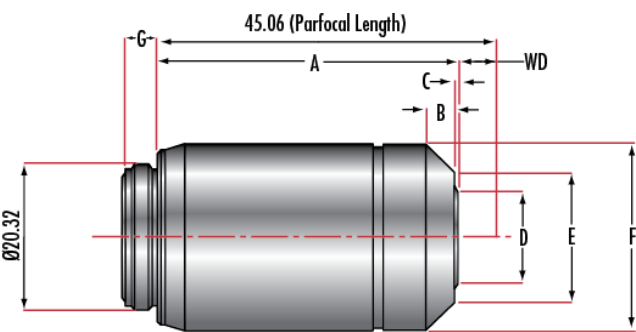
|                                    |                                        |
|------------------------------------|----------------------------------------|
| Olympus                            | Manufacturer:                          |
| Physical & Mechanical Properties   |                                        |
| 26.00                              | Diameter (mm):                         |
| 0.53                               | Field of View (mm):                    |
| 34.40                              | Length excluding Threads (mm):         |
| 26                                 | Maximum Diameter (mm):                 |
| 77                                 | Weight (g):                            |
| Optical Properties                 |                                        |
| N/A                                | Compatible Cover Glass Thickness (mm): |
| 3.60                               | Focal Length FL (mm):                  |
| 50X                                | Magnification:                         |
| 0.50                               | Numerical Aperture NA:                 |
| 0.67                               | Resolving Power (μm):                  |
| 1.10                               | Depth of Field (μm):                   |
| 10.6                               | Working Distance (mm):                 |
| 400 - 700                          | Wavelength Range (nm):                 |
| 26.5                               | Field Number (mm):                     |
| 45                                 | Parfocal Length (mm):                  |
| N/A                                | Immersion Liquid:                      |
| Threading & Mounting               |                                        |
| RMS / 20.32mm x 36 TPI             | Mounting Threads:                      |
| Environmental & Durability Factors |                                        |
| 20 - 80%RH with no condensation    | Operating Humidity:                    |
| Regulatory Compliance              |                                        |
| <a href="#">View</a>               | Certificate of Conformance:            |

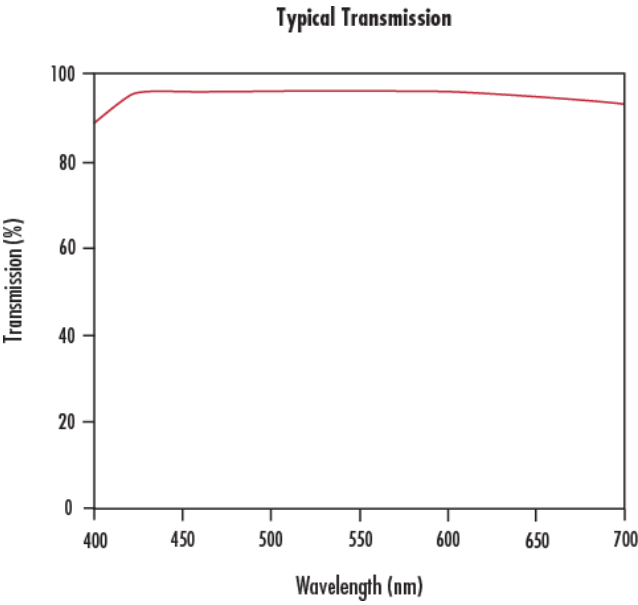
## Product Details

- Ideal for Brightfield, DIC, Fluorescence, or Polarization Microscopy
- Long Working Distances Reduce Risk of Specimen Damage
- Excellent Transmission from 400 – 700nm
- Additional [Olympus Infinity Corrected Objectives](#) Available

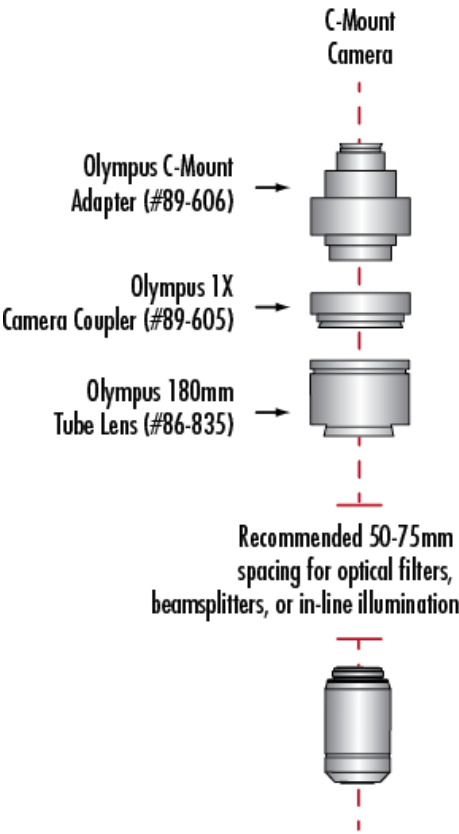
Olympus MPlan Fluorite Semi Apochromat Infinity Corrected Objectives are ideal for a range of applications utilizing a variety of illumination methods. Olympus MPlan Fluorite Semi Apochromat Infinity Corrected Objectives offer long working distances to increase specimen safety, in addition to increased contrast for observation. These objectives feature standard pupil positions, which enable the use of multiple [prisms](#) or [polarizers](#) for differential interference contrast (DIC) optical microscopy applications.

## Technical Information

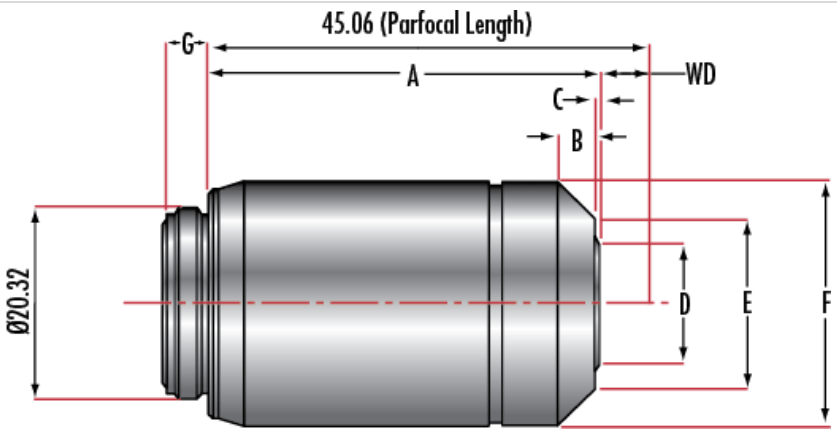




Using Olympus Objectives  
with C-Mount Cameras



| Stock # | Model                    | A    | B    | C    | D    | E    | F    | G   | WD   |
|---------|--------------------------|------|------|------|------|------|------|-----|------|
| #88-202 | LMPLFLN 5X               | 22.5 | 0.3  | -    | 25.4 | -    | 26.0 | 4.9 | 22.5 |
| #88-203 | LMPLFLN 10X              | 24.0 | 1.9  | -    | 15.2 | 22.4 | 26.0 | 4.5 | 21.0 |
| #88-204 | LMPLFLN 20X              | 33.0 | 3.7  | -    | 17.0 | -    | 26.0 | 4.8 | 12.0 |
| #88-205 | LMPLFLN 50X              | 34.4 | 4.0  | -    | 18.2 | -    | 26.0 | 4.9 | 10.6 |
| #88-206 | LMPLFLN 100X             | 41.6 | 3.8  | 0.5  | 12.5 | 18.1 | 26.0 | 4.7 | 3.4  |
| #16-880 | MPLFLN 1.25X             | 41.5 | -    | -    | 28.6 | 29.0 | 30   | 4.9 | 3.5  |
| #39-573 | MPLFLN 2.5X              | 34.3 | 2.7  | -    | 24.5 | 29.0 | 30.0 | 4.9 | 10.7 |
| #88-332 | MPLFLN 5X                | 25.0 | 2.5  | -    | 20.9 | -    | 26.0 | 4.5 | 20.0 |
| #88-333 | MPLFLN 10X               | 34.0 | 5.6  | -    | 14.5 | -    | 26.0 | 4.5 | 11.0 |
| #23-721 | M <del>X</del> PLFLN 20X | 42.0 | 2.63 | 2.15 | 9    | 20.4 | 26   | 4.8 | 3    |
| #23-722 | M <del>X</del> PLFLN 50X | 42.0 | 3.4  | 1.96 | 10.3 | 19   | 26   | 4.5 | 3    |



| Stock # | Model           | A    | B   | C   | D    | E    | F    | G   | WD   |
|---------|-----------------|------|-----|-----|------|------|------|-----|------|
| #86-827 | LMPLFLN-BD 5X   | 30.0 | 2.6 | 3.4 | 16.2 | 29.5 | 32.0 | 5.0 | 15.0 |
| #86-828 | LMPLFLN-BD 10X  | 35.0 | 2.1 | 2.7 | 15.5 | 30.0 | 32.0 | 4.5 | 10.0 |
| #86-829 | LMPLFLN-BD 20X  | 33.0 | 1.2 | 0.5 | 22.0 | 30.0 | 32.0 | 4.5 | 12.0 |
| #86-830 | LMPLFLN-BD 50X  | 34.4 | 1.2 | 1.4 | 20.7 | 28.0 | 32.0 | 4.8 | 10.6 |
| #86-831 | LMPLFLN-BD 100X | 41.7 | 1.2 | 4.0 | 21.0 | 29.0 | 32.0 | 4.7 | 3.3  |

