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# Olympus UPLFLN 40X Objective

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Olympus UPLFLN 40X Objective

Stock **#86-820** **5 In Stock**

⊖ 1 ⊕ €1.570<sup>00</sup>

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## Product Downloads

### General

UPLFLN40X **Model Number:**

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

Microscope Objective **Type:**

Infinity Corrected **Style:**

Olympus **Manufacturer:**

## Physical & Mechanical Properties

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

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

26 **Maximum Diameter (mm):**

118 **Weight (g):**

Fixed **Iris Option:**

## Optical Properties

0.17 **Compatible Cover Glass Thickness (mm):**

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

40X **Magnification:**

0.75 **Numerical Aperture NA:**

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

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

0.51 **Working Distance (mm):**

380 - 900 **Wavelength Range (nm):**

26.5 **Field Number (mm):**

45 **Parfocal Length (mm):**

N/A **Immersion Liquid:**

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

## Threading & Mounting

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

## Regulatory Compliance

[Exempt](#) **RoHS 2015:**

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

[Contains SVHC\(s\)](#) **Reach 247:**

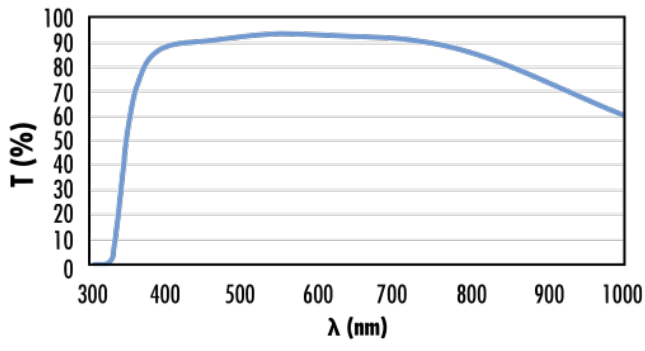
## Product Details

- Ideal for Brightfield, Darkfield, DIC, Fluorescence, or Polarization Microscopy
- Excellent Transmission in the UV
- High Numerical Apertures, Oil Immersion, and Variable Iris Options Available
- Additional [Olympus Infinity Corrected Objectives](#) Available

Olympus Plan Fluorite Objectives are multi-purpose objectives that utilize advanced multi-coatings to provide excellent flat field images from the UV to NIR. The objectives offer high signal-to-noise ratios, excellent resolution, and high contrast imaging capability. These objectives are ideal for brightfield microscopy or Nomarski differential interference contrast (DIC) observations, in addition to darkfield or fluorescence microscopy, or specific polarization techniques. Olympus Plan Fluorite Objectives are available in 4X up to 100X magnification. High Numerical Apertures, Oil Immersion, and Variable Iris options are available. Variable Iris options feature a correction collar to adjust the iris and reduce straylight to fine-tune the image as needed. Additional [Olympus Infinity Corrected Objectives](#) are also offered.

## Technical Information

#86-820



Using Olympus Objectives with C-Mount Cameras



	Stock #	A	B	C	D	E	F	G
UPLFLN 4X	<a href="#">86-817</a>	27.9	2.8	0.0	18.0	18.0	24.0	4.5
UPLFLN 10X	<a href="#">86-818</a>	34.9	10.1	0.0	13.6	13.6	24.0	4.5
UPLFLN 20X	<a href="#">86-819</a>	42.8	5.3	2.3	9.4	15.8	26.0	4.5
UPLFLN 40X	<a href="#">86-820</a>	44.4	5.1	4.0	8.5	16.0	26.0	4.5
UPLFLN 60X	<a href="#">86-822</a>	44.7	5.2	2.7	8.6	17.0	29.0	4.7
UPLFLN 100X (Oil Immersion)	<a href="#">86-823</a>	44.7	5.5	3.0	7.0	17.2	28.0	4.5

