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# Olympus LMPLFLN100X

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Olympus M Plan Fluorite Semi A  
Achromat Infinity Corrected Objective

Stock #88-206 [CONTACT US](#)

- 1 +

€8.950<sup>,00</sup>

**ADD TO CART**

Volume Pricing	
Qty	€8.950,00
1+	each
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### Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

## General

<b>Model Number:</b>	LMPLFLN100X	<b>Compatible Tube Lens Focal Length (mm):</b>	Focal Length: 180mm
<b>Type:</b>	Brightfield	<b>Style:</b>	Infinity Corrected
<b>Manufacturer:</b>	Olympus		

## Physical & Mechanical Properties

<b>Diameter (mm):</b>	26.00	<b>Field of View (mm):</b>	0.26
<b>Length excluding Threads (mm):</b>	41.60	<b>Maximum Diameter (mm):</b>	26
<b>Weight (g):</b>	94		

## Optical Properties

<b>Compatible Cover Glass Thickness (mm):</b>	N/A	<b>Focal Length FL (mm):</b>	1.80
<b>Magnification:</b>	100X	<b>Numerical Aperture NA:</b>	0.80
<b>Resolving Power (µm):</b>	0.42	<b>Depth of Field (µm):</b>	0.43
<b>Working Distance (mm):</b>	3.4	<b>Wavelength Range (nm):</b>	400 - 700
<b>Field Number (mm):</b>	26.5	<b>Parfocal Length (mm):</b>	45
<b>Immersion Liquid:</b>	N/A	<b>Entrance Pupil Diameter (mm):</b>	2.88

## Threading & Mounting

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

## Regulatory Compliance

Certificate of Conformance: [View](#)

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## 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 M Plan Fluorite Semi Apochromat Infinity Corrected Objectives are ideal for a range of applications utilizing a variety of illumination methods. Olympus M Plan 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

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



Stock #	Model	A	B	C	D	E	F	G	WD
<a href="#">#86-827</a>	LMPLFLN-BD 5X	30.0	2.6	3.4	16.2	29.5	32.0	5.0	15.0
<a href="#">#86-828</a>	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						32.0	4.8	10.6
#86-831	LMPLFLN-BD 100X						32.0	4.7	3.3

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## Accessories

**Note:** Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

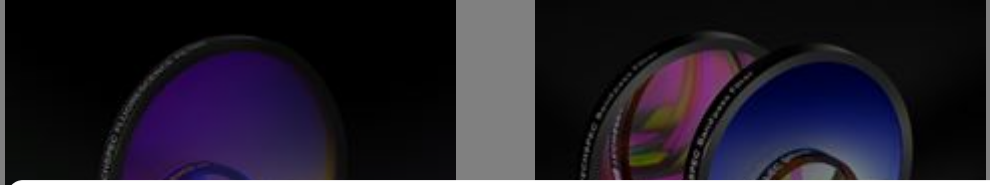
	Title	Compare	Stock Number	Price	Buy
MORE+	Olympus M26 (Male) to RMS (Female) Adapter		#75-247	€247,00 Request Quote	CONTACT US 1
MORE+	Olympus Single Port Tube Lens, 180mm Focal Length		#86-835	€835,00 Request Quote	CONTACT US 1
MORE+	Olympus Wide Field Tube Lens, 180mm Focal Length		#36-401	€615,00 Request Quote	20+ In Stock 1
MORE+	Olympus Wide Field Tube Lens to T-Mount Holder		#11-149	€175,00 Request Quote	4 In Stock 1
MORE+	Olympus 1X Camera Coupler		#89-605	€135,00 Request Quote	20+ In Stock 1
MORE+	Olympus C-Mount Adapter		#89-606	€275,00 Request Quote	1 In Stock 1
MORE+	Filter Cube for Olympus BX2/IX2 Microscopes		#86-832	€715,00 Request Quote	2 In Stock 1
MORE+	Filter Cube for Olympus BX3/IX3 Microscopes		#86-833	€715,00 Request Quote	20+ In Stock 1
MORE+	Olympus Super Wide Tube Lens		#23-723	€940,00 Request Quote	1 In Stock 1
MORE+	Olympus C-Mount 0.35X Camera Adapter		#23-724	€1.335,00 Request Quote	CONTACT US 1
MORE+	Olympus C-Mount 0.63X Camera Adapter		#23-725	€1.170,00 Request Quote	11 In Stock 1
MORE+	Olympus C-Mount 0.5X Adapter		#23-726	€1.170,00 Request Quote	9 In Stock 1
MORE+	Olympus Compact Tube Lens, 180mm Focal Length		#75-250	€555,00 Request Quote	5 In Stock 1

## Related Products



#03-627 - C-Mount Male to Olympus (RMS/DIN) Female Step-Down Adapter  
€52,00

Qty



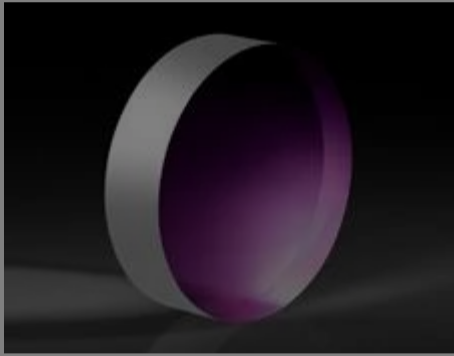
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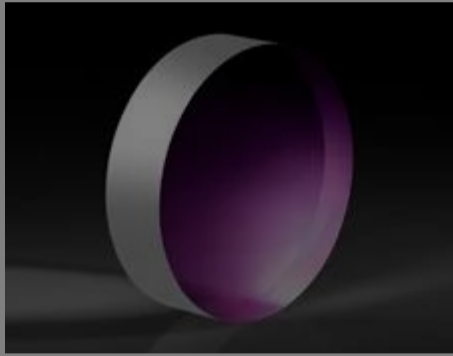
C, S, and T-Mount Extensions Tubes

### Frequently Purchased Together



#34-428 - 50mm Dia., 2mm Thick, Uncoated  $\lambda/4$  N-BK7 Window  
€111,00

Qty



#34-429 - 50mm Dia., 3mm Thick, Uncoated  $\lambda/4$  N-BK7 Window  
€111,00

Qty



#39-367 - 1/4" x 48", Flexible Fiber Optic Light Guide  
€213,00

Qty



#66-905 - 0.316" ID Fiber Optic Adapter MX-6  
€41,50

Qty

## Resources

### Media Type

- Application Note
- Glossary
- Technical Tool
- FAQ
- Trending in Optics

APPLICATION NOTE

APPLICATION NOTE

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Application:  
Fluorescence

GLOSSARY

Fluorescence  
Microscopy

APPLICATION NOTE

Fluorophores  
and Optical  
Filters for  
Fluorescence...

TECHNICAL TOOL

Infinite  
Conjugate  
Tube Length

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