

Olympus PLN 100X Oil Immersion Objective

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#86-816

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General	
1-U2B235	Model Number:
Compatible Tube Lens Focal Length (mm): Focal Length: 180mm	
Microscope Objective	Type:
Infinity Corrected	Style:
	Manufacturer:

Recommended Immersion Oil [#86-834](#)

0.22	Field of View (mm):
44.70	Length excluding Threads (mm):
24	Maximum Diameter (mm):
114.0	Weight (g):

N/A	Compatible Cover Glass Thickness (mm):
1.80	Focal Length FL (mm):
100X	Magnification:
1.25	Numerical Aperture NA:
0.27	Resolving Power (μm):
0.27	Depth of Field (μm):
0.15	Working Distance (mm):
22	Field Number (mm):
45	Parfocal Length (mm):
Oil	Immersion Liquid:
1760	Depth of Focus (μm):

RMS / 20.32mm x 36 TPI

Mounting Threads:

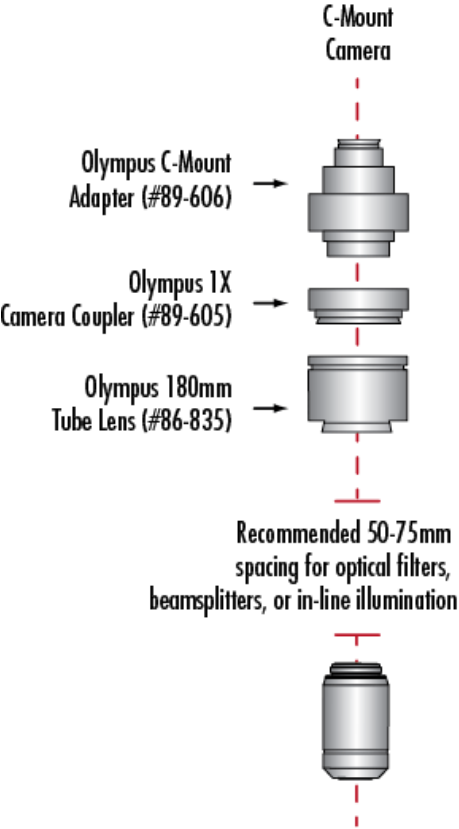
[View](#) Certificate of Conformance:

- Ideal for Brightfield, Darkfield, or Fluorescence Microscopy
- Excellent Price-to-Performance Ratio
- Suitable for Introductory and Advanced Optical Microscopy Applications
- Additional **Olympus Infinity Corrected Objectives** Available

Technical drawing of a shaft with the following dimensions:

- Overall length: 45.06
- Left end diameter: $\varnothing 24$
- Step diameter 1: $\varnothing 15.6$
- Step diameter 2: $\varnothing 11.9$
- Step diameter 3: $\varnothing 6.56$
- Right end diameter: $\varnothing 20.32$
- Right end outer diameter: $\varnothing 23$
- Right end step diameter: 4.5

Using Olympus Objectives
with C-Mount Cameras



	Stock #	A	B	C	D	E	F	G
PLN 2X	16-879	39.1	3.4	0.0	16.8	16.8	24.0	4.5
PLN 4X	86-812	26.4	4.4	0.0	15.8	15.8	24.0	4.5
PLN 10X	86-813	34.3	4.1	1.6	10.5	16.0	24.0	4.5
PLN 20X	86-814	43.7	4.2	2.4	6.1	15.6	24.0	4.8
PLN 40X	86-815	44.3	4.2	3.0	7.5	15.6	24.0	4.5
PLN 100X	86-816	44.7	4.2	2.5	6.6	15.6	24.0	4.5

