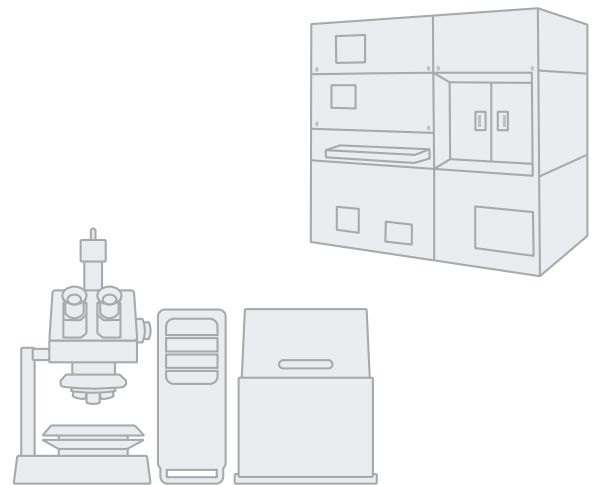


High-Quality, High-Throughput Optical Units

Our optical systems realize high-resolution images in a range of inspection, measurement, and analysis applications.

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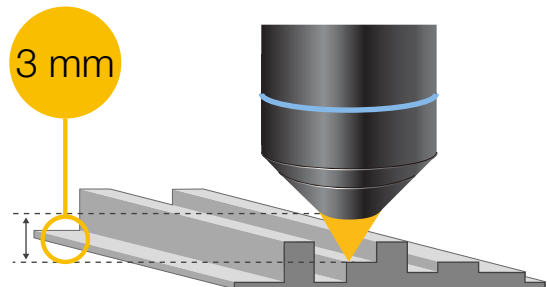
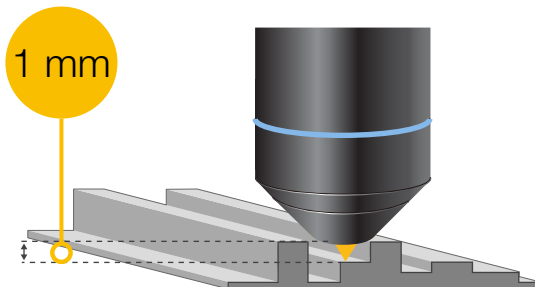


Combined high numerical aperture and long working distance

Our MXPLFLN objectives combine high resolution and a long, 3 mm working distance, enabling faster inspections with less chance of the objective hitting your sample. These objectives are manufactured to the strictest quality standards, including wavefront aberration control, to minimize performance variations.

Conventional 50X objective: NA 0.8, WD 1 mm

MXPLFLN50X: NA 0.8, WD 3mm



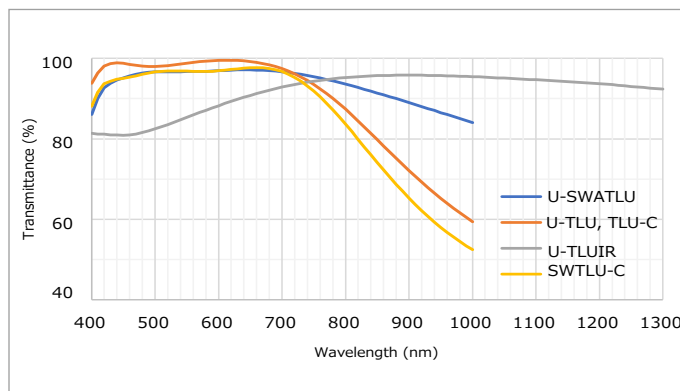
Model Name	NA	WD
MPLFLN20X	0.45	3.1 mm
MPLFLN20XBD	0.45	3 mm
MPLFLN50X	0.8	1 mm
MPLFLN50XBD	0.8	1 mm

Model Name	NA	WD
MXPLFLN20X	0.6	3 mm
MXPLFLN20XBD	0.55	3 mm
MXPLFLN50X	0.8	3 mm
MXPLFLN50XBD	0.8	3 mm

Advanced Options for System Design and Automation

Form the optimal image

Select from five tube lenses to meet a variety of applications.



Transmittance curves of five available tube lenses

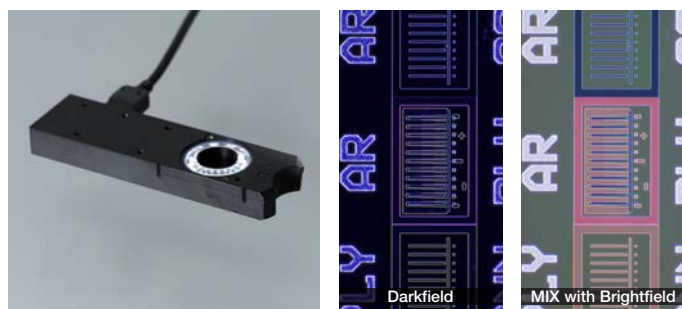
Tube Lens Comparison Chart

Model Name	U-SWATLU	U-TLU	U-TLUIR	SWTLU-C	TLU-C
Projection area (mm)	Φ26.5 mm	Φ22 mm	Φ22 mm	Φ26.5 mm	Φ22 mm
Mounting interface	Circular dovetail (fixed with a tool)*			Threaded: M41 × 0.5 mm	Threaded: M36 × 0.5 mm
Weight	450 g	350 g	350 g	94 g	40 g
Focal plane position	102 mm from the reference place			151.3 mm from the reference plane	
Magnification	1X				
Focal length	180 mm				

*Dovetail easily and directly fits Olympus illuminators and Olympus camera adapters.

Versatile directional darkfield

The MIX slider realizes darkfield and enhances traditional darkfield with selectable quadrant LED illumination, enabling you to control the direction of light shining on the sample. In addition, this can be combined with brightfield, simple polarized light, or fluorescence observation.



MIX slider (back)
U-MIXR-2

IC pattern on a semiconductor wafer

Wide variety of revolving nosepieces

As the demand for automation increases, so does the demand for motorized revolving nosepieces. The U-D5BDREMC-VA class 1 clean room compatible revolving nosepiece removes dust and other particles. Manual, coded, and centerable revolving nosepieces as well as adaptors for a single objective lens can be configured into Olympus microscopes.



Motorized BD revolving nosepiece
with vacuum function
U-D5BDREMC-VA



Measurement objective adapter
STM7-MMOBAD

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