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' LCPLFLN-LCD lenses are optimal for observing specimens through glass substrates such as LCD panels. The adoption of optical correction rings allows aberration correction according to glass thickness.

LC Long Working Distance Plan Semi-Apochromat - LCPLFLN-LCD

- A series of objective lenses optimal for observation through glass substrates such as LCD panels
- Optical correction collar adjustment for varying glass thickness

Our LMPLFLN lens is part of our Plan semi-apochromat series, providing longer working distances for added specimen safety and observation with increased contrast.

Long Working Distance M Plan Semi-Apochromat - LMPLFLN

- Objective lenses designed for Brightfield, Differential Interference Contrast (DIC), Fluorescence and Simple polarized light
- Longer working distance helps protect samples with topography
- Standard pupil position allows the use of a single DIC prism for all objective lenses (5x-100x)

Our LMPLFLN-BD brightfield / darkfield lens is part of our Plan semi-apochromat series, providing longer working distances for added specimen safety and observation with increased contrast.

Long Working Distance M Plan Semi-Apochromat - LMPLFLN-BD

- Objective Lenses Dedicated to brightfield, darkfield, differential interference contrast (DIC), fluorescence and simple polarized light
- Longer working distances helps protect samples with topography
- Standard pupil position allows the use of a single DIC Prism for all objectives lenses (5x-100x)

Our LMPLN-IR and LCPLN-IR long working distance Plan Achromat lenses, are specifically designed for optimal transmission in the near infrared (700-1300nm wavelengths).

Near-IR Long Working Distance Plan Achromat - LMPLN-IR/LCPLN-IR

- Objective lenses exclusive for the near-infrared microscopy, for inspecting internal structures in silicon wafers
- The LCPLN-IR lenses have correction collars that adjust for varying thicknesses of silicon or glass substrates

Our MPLAPON Plan Apochromat objective lens Series provides the highest level of chromatic correction and resolution capability available from . High level wavefront aberration correction is guaranteed.

M Plan Apochromat MPLAPON

- Dedicated for brightfield microscopy, simple polarized light and DIC (Differential Interference Contrast).
- The Plan Apochromat series provides the highest level of chromatic aberration of the objective lenses. Guaranteed optical performance (wavefront aberration) with a Strehl ratio of 95% or better.
- Compatible with the autofocus unit, ideal for automating the inspection process.

Strehl ratio: Indicates as a percent, the ratio of the proportion of light that an actual optical system can concentrate with respect to the proportion of light concentrated in the image plane (central intensity) by an ideal, aberration-free optical system, with the latter serving as 100%. A higher percentage indicates a higher quality optical system.

Our MPLAPON-Oil Plan Apochromat oil immersion objective provides the highest level of chromatic correction and resolution capability available from . Outstanding Numerical Aperture, 1.4, ensures unparalleled resolution.

M Plan Apochromat MPLAPON-Oil

- Objective lens dedicated to brightfield imaging
- High resolving power with a numerical aperture of 1.4
- Plan Apochromat objective lens series with chromatic aberration corrected at highest level
- Specified oil: IMMOIL-F30CC

The MPLFLN objective lens has well balanced performance with a semi apochromat color correction, a fair working distance and a high numerical aperture and is suitable for the widest range of applications.

M Plan SemiApochromat - MPLFLN

- Objective lenses dedicated to brightfield
- Plan semi-apochromat objective lenses corrected for chromatic aberration at a high level
- A line-up of objective lenses from 1.25x through 100x with working distance of 1mm or more
- Unified pupil position from 5x though 100x to eliminate the need for switching DIC prism when changing objective lenses [*1]

*1: 1.25x and 2.5x lenses require the use an analyzer and polarizer.

The MPLFLN-BD lens has semi apochromat color correction and is suitable for the widest range of applications. Especially designed for darkfield observation and the examination of scratches or etchings on polished surfaces.

M Plan Semi-Apochromat - MPLFLN-BD

- Designed for brightfield, darkfield, DIC (differential interference contrast), fluorescence and simple polarized light observation methods
- Plan semi-apochromat objective lens corrected for chromatic aberration for maximum performance for even for the most challenging materials science applications
- Complete line-up of magnifications ranging from 5x through 150x. Standard pupil position allows for the use of a single DIC prism for all objective lenses (5x-150x)

' MPLFLN-BDP lens is a one of our semi apochromat MPLFLN-BD objectives, this universal series provides the highest optimal performance in polarized light and differential contrast observation.

M Plan Semi-Apochromat MPLFLN-BDP

- Objective lenses dedicated to Brightfield, Darkfield, Differential Interference Contrast (DIC) and polarized light
- Plan semi-apochromat objective lenses corrected for apochromatic aberration at a high level
- A line-up of objective lenses from 5x through 100x with working distance of 1mm or more
- Unified pupil position from 5x through 100x to eliminate the need for switching DIC prism when changing objective lenses

Our MPLN Plan Achromat lens series is dedicated to brightfield observation and provides excellent contrast and optimum flatness throughout the field of view.

M Plan Achromat - MPLN

- Objective lenses designed for brightfield microscopy applications
- Plan achromat objective lenses provide excellent image flatness up throughout the field of view

Our MPLN Plan Achromat lens series is designed for both brightfield and darkfield observation and provides excellent contrast and optimum flatness throughout the field of view.

M Plan Achromat - MPLN-BD

- Designed for Brightfield and Darkfield microscopy applications
- Plan achromat objective lenses provide superior flatness throughout the field of view

The SLMPLN Plan Achromat objective lens offers the ultimate in performance with exceptionally long working distance and image clarity that you expect from the UIS 2 optical system. Ideal for electronic assembly inspection or other similar applications.

Super Long Working Distance Plan Achromat - SLMPLN

- Objective lenses dedicated to brightfield microscopy
- Reduces the risk of specimen damage by providing ultra long working distances

Specifications

Magnification [X]	100
Numerical aperture (NA)	0.8
Working distance (WD) [mm]	0.7
Objective Field Number	22
Immersion medium	Air/Dry
Spring loaded	N/A
Correction collar	Yes
Correction range of correction collar	Correction collar for interferometry pettern correction
Iris	N/A
Correction level of chromatic aberration	Semi-apochromat (FL)
Parfocalizing distance [mm]	45
Back focal plane (BFP) position	-3.0
Type of screw thread	W20.32X0.706(RMS)
Brightfield(Reflected)	N/A
Brightfield(Transmitted)	N/A
Darkfield(Reflected)	N/A
Darkfield(Transmitted)	N/A
DIC(Reflected)	N/A

DIC(Transmitted)	N/A
Phase Contrast	N/A
Relief Contrast	N/A
Polarized Light	N/A
Fluorescence (B, G Excitation)	N/A
UV Fluorescence (at 365nm)	N/A
Multiphoton	N/A
TIRF	N/A
IR	N/A
WLI	Yes
Auto Focus	N/A

Transmittance/Wavelength