



## Excelitas Technologies® Introduces Enhanced Optem® LWD M-Plan APO Objective Lens Series

*New Optical Design Delivers Improved Field Correction Across the Image Plane to Support Advanced Digital Image Processing Algorithms and Large-Format Image Sensors*



**WALTHAM, Mass., October 31, 2018** – [Excelitas Technologies® Corp.](#), a global technology leader delivering innovative, customized photonic solutions, announces the enhanced [Optem® LWD M-Plan APO Objective Lens Series](#). Springing from our Qioptiq® optical heritage and featuring a new optical design, the Optem LWD M-Plan APO Objective Lenses are now optimized to meet the apochromatic flat-field demands of next-generation, large-format sensors and digital image processing techniques. Its improved flat-field correction delivers consistently high image quality across the entire sensor field-of-view to support advanced digital image processing algorithms and larger format image sensors.

Optem LWD M-Plan APO Objective Lenses combine high numerical aperture with exceptional field flatness to provide optics that virtually eliminate chromatic aberration. Available in 2X to 50X magnifications, when integrated with the Optem FUSION® system, the enhanced objective lens line provides the utmost in resolution and working distance for demanding applications requiring high magnification. The objectives are optimized for bright field imaging, making them ideal for coaxial illumination configurations. When combined with the specially designed Optem FUSION fiber optic ring light, imaging intricate detail of three-dimensional objects is now possible. Additional product attributes include:

- Extended long working distances from 13mm to 41mm
- 2X to 50X infinity-corrected objectives
- High-performance apochromatic design
- 95mm parfocal distance
- NA from 0.055 to 0.55

“We are pleased to announce these new optical improvements to the Optem LWD M-Plan APO Objective Lenses,” said Michael Bulk, Application Engineer at Excelitas. “The lens’ enhanced design delivers improved flat-field correction over a long working distance to support large format sensors and digital imaging for a variety of optical inspection for micro-imaging applications including semiconductor, PCB, life sciences and material processing.”

For more information, visit [www.excelitas.com](http://www.excelitas.com).

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### About Excelitas Technologies

Excelitas Technologies® Corp. is a global technology leader focused on delivering innovative, high-performance, market-driven photonic solutions to meet the lighting, detection and optical technology needs of global customers. From biomedical technology to research laboratory, safety and security, consumer products, semiconductor, energy and environment, industrial sensing & imaging, defense and aerospace, Excelitas Technologies is committed to enabling our customers’ success in their end-markets. Excelitas Technologies acquired



Qioptiq in 2013 and now has approximately 6,500 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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