

## Excelitas Technologies Introduces LINOS F-Theta-Ronar 75mm Telecentric Lens for Laser Material Processing Applications



**WALTHAM, Mass., November 19, 2019** – Qioptiq, an Excelitas Technologies Company, has announced the new [LINOS F-Theta-Ronar 75mm telecentric lens](#), which features a focal length of 75mm at wavelengths from 515nm-540nm. The complete fused-silica lens enables the largest scan field available for large laser apertures of up to 27x27mm<sup>2</sup>, making it ideal for use in laser material processing industries such as energy storage and micro/macro machining for high power or short pulse applications

including structuring, welding and cutting.

The **LINOS F-Theta-Ronar 75mm lens** is optimized for a large entrance beam aperture up to 15mm resulting in a smaller spot size of 5µm over the scan field for high-power applications. Its focal length delivers high precision and spot quality to allow the smallest possible spot diameter. The new F-Theta-Ronar lens' high-end angle corrected coating has been laser-damage threshold (LIDT) tested for ns @ 532nm and fs @ 515nm, making it usable for ultra-short pulse and high-power applications with constant transmission over the scan field.

Additional product attributes include:

- Screw thread M85x1
- Transmission over scan field  $\geq 96\%$  at 515nm-540nm
- Laser-damage threshold (LIDT) coating: 20 J/cm<sup>2</sup> at 532nm, 8ns, 100Hz and 0.6J/cm<sup>2</sup> at 515nm, 204fs, 50kHz
- Includes interchangeable fused silica protective glass

“We are continually adding new lenses to meet our customers’ growing needs for precision lenses with increasingly exacting capabilities,” said Matthias Koppitz, Application Engineer at Excelitas. “As the latest addition to the LINOS F-Theta-Ronar lens product line, the new 75mm lens delivers reliable operation for consistent and proven high quality in serial production at competitive pricing for a variety of high-power laser applications including micro/macro machining and energy storage.”

The LINOS F-Theta-Ronar 75mm telecentric lens is one of many products that will be on display at [Formnext 2019](#), November 19 – 22, 2019 in Frankfurt, Germany. Visit Excelitas booth Hall 12.0 B27 to learn more.

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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, optronics, detection and optical technology needs of global customers. Serving a vast



array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas Technologies stands committed to enabling our customers' success in their end-markets. Excelitas Technologies now has approximately 6,700 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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