



FOR IMMEDIATE RELEASE:

Phoseon UV LED Curing Systems from Excelitas Now Available with Modbus TCP Communication Protocol

Enhanced architecture offers customers a more intelligent communication protocol



Pittsburgh, Pa., May 13, 2025 – [Excelitas®](#), the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics sectors, announces the availability of enhanced [Phoseon™ UV LED Curing Systems with newly integrated Modbus TCP communication protocol](#).

This significant upgrade to Phoseon products' robust control architecture allows faster, more intelligent communication with [FireJet™ ONE](#), [FireJet FJ100](#), [FireJet FJ240](#), [FireLine™ FL400](#) and [FireLine FL440](#) UV LED curing systems. Customers now have the flexibility to choose between RS485 or Modbus TCP communication protocols—ensuring compatibility with a wide range of automation and process control environments.

New system capabilities include:

- **Modbus TCP communication protocol** for high-speed data exchange and remote access
- **Individual SLM intensity control** for optimized energy efficiency
- **Enhanced firmware** for improved responsiveness and remote firmware upgrades
- **Real-time system data monitoring** for proactive maintenance and diagnostics
- **UV confirmation signal** for reliable, worry-free operation

The new ethernet-enabled products retain all the proven benefits of Phoseon products, including long product lifetime powered by patented Semiconductor Light Matrix (SLM)™ technology, superior uniformity, efficient thermal management and seamless integration with existing systems.

"Phoseon UV LED curing solutions are trusted across demanding industries for their precision, reliability and long life," said Joe Becker, Director of Product Management at Excelitas. "Adding Modbus TCP communication protocol allows our customers to operate in faster, more automated production environments, while maintaining the same exceptional quality and performance. Whether upgrading existing lines or designing new ones, this enhanced communication protocol delivers the control and insight today's manufacturers need."

The Phoseon FireJet and FireLine series offer scalable UV LED curing solutions with a variety of cooling options, wavelengths and irradiance levels. With more than 200,000 Phoseon units shipped and over two million hours of LED testing, Phoseon products set the standard for high-performance, energy-efficient and environmentally sustainable UV curing.

For more information about Phoseon UV LED curing systems, access the [Phoseon Products Overview](#). For additional details about the enhanced Phoseon architecture and its expanded capabilities, visit Excelitas executives at Booth #207 during the [2025 RadTech UV&EB Technology & Conference](#), taking place May 19 – 21, 2025 in Detroit, MI.

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About Excelitas

Excelitas is the leading provider of advanced, life-enriching technologies that make a difference, serving global market leaders in the life sciences, advanced industrial, next-generation semiconductor and avionics end markets. Headquartered in Pittsburgh, PA, USA, Excelitas is an essential partner in the design, development and manufacture of photonic technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide.

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