



FOR IMMEDIATE RELEASE:

Excelitas Introduces Ruggedized Phoseon FireLine FL400-i UV LED Curing System for Harsh Industrial Environments

Engineered for durability, the new FireLine FL400-i delivers exceptional UV curing performance with enhanced protection for aggressive production settings



Pittsburgh, Pa., June 23, 2025 – [Excelitas®](#), a 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, today announced the launch of the Phoseon [FireLine™ FL400-i Industrial UV LED Curing System](#), designed specifically for demanding industrial coating and adhesive applications.

Building on the proven performance of the FireLine FL400, the new FL400-i introduces a ruggedized housing and enhanced sealing to ensure reliable operation in harsh, high-contaminant environments such as pipe coating and metal finishing. Delivering the same industry-leading optical uniformity and high dose performance as the original FL400, the FL400-i system features a newly engineered IP66-rated enclosure with robust endcaps, advanced window sealing and optional sacrificial glass to shield the primary optics from heat, dust and impact.

“The FL400-i was built from the ground up to address the unique challenges of aggressive industrial environments where standard digital inkjet solutions fall short,” said Tad Bozdech, Product Manager, Excelitas. “This system brings the durability required for metal and pipe coating applications, while preserving the exceptional UV LED performance and uniformity our customers rely on.”

Additional features include:

- **Versatile connectivity:** Straight or barbed water fittings and CDA (clean dry air) ports help manage condensation in high-heat conditions.
- **Flexible control options:** Supports analog, RS485 and Modbus TCP protocols for seamless integration and remote system monitoring.
- **Environmentally responsible:** Mercury-free, ozone-free operation and high energy efficiency contribute to a safer workplace and reduced operating costs.

With patented SLM array and cooling technologies, the FL400-i ensures long LED lifetimes and consistent high-performance output. It is ideal for system builders, integrators and coating formulators seeking robust, high-throughput UV LED solutions for industrial applications.

For more information about the FireLine FL400-i and other UV LED curing innovations, please visit <https://www.excelitas.com/product/phoseon-fireline-fl400-i-industrial-uv-led-area-curing-system>.

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About Excelitas

Excelitas is a 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 advanced technologies, offering leading-edge innovation in sensing, detection, imaging, optics and specialty illumination for customers worldwide.

Excelitas is at the forefront of addressing many of the relevant megatrends impacting the world today, including precision medicine, industrial automation, artificial intelligence and connected devices (IoT).

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