



Excelitas Technologies Kepri UVC LED Light System Achieves Occupant-Safe Upper-Air Disinfection of Airborne Pathogens

Easy-to-Install LED-Based UVC Disinfection System Effectively Reduces Airborne Viral Load in Indoor Environments



WALTHAM, Mass., March 17, 2022 – [Excelitas Technologies® Corp.](#), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, introduces the [Kepri™ Upper-Air UVC Disinfection System](#) for safe, effective disinfection of upper-level room air. The new device prevents disease transmission by neutralizing airborne pathogens including bacteria, mold and viruses (e.g., influenza, SARS-COV-19) without ozone emission.

Kepri is available now for use in indoor spaces including medical, dental and veterinary facilities to support the highest levels of staff and patient safety.

Kepri meets a stringent UL-8802 standard to minimize UVC energy in the lower part of the room and assure safe operation. The upper-air disinfection system is compact and lightweight, easy to install and quiet. Weighing only 2.5 kg, Kepri's unobtrusive, low-profile design fits in with office aesthetics. It also features a user-friendly interface, limited maintenance and delivers maximum UVC emission without a visible blue glow. Replaceable LED modules increase Kepri's installed service life.

According to third-party [Efficacy Test Reports](#) conducted by Intertek, Kepri reduces indoor, airborne viral load by 99.9% in as little as 20 minutes. As pathogens pass through Kepri's active UVC disinfection zone, the UVC light damages the DNA/RNA, preventing them from replicating and inactivating their ability to spread and infect.

Safety is critical in UVC disinfection, and Kepri sets the industry standard with a triple sensor safety monitoring system featuring:

- **Tilt Sensor:** turns off the Kepri disinfection unit in the event the unit falls below zero degrees on the horizon ensuring no harmful UVC energy is emitted into the lower part of the room.
- **Presence Sensor:** detects people entering the UVC emission field and immediately turns off UVC energy until the field is clear.
- **Motion-Activated Occupancy Sensor and Switch:** detects movement in a room and allows the user to select their individual operating preference using a three position switch. The three modes are always on, only on when the room is occupied and only on when the room is unoccupied.

“Upper-level room air disinfection is a highly effective technology that has been used in healthcare for over 20 years. We are pleased to apply Excelitas' established LED expertise to expand the technology's reach, making effective air disinfection more widely accessible,” said



Mark Gaston, Product Manager at Excelitas. “In addition to being one of the smallest and most aesthetically pleasing devices on the market, Kepri’s three safety sensors and UL-8802 approval make it one of the safest upper-air products available today. We’re proud to introduce a system featuring solid state lighting technology and state-of-the-art safety to the UVC upper-air disinfection market for use in a variety of indoor spaces.”

For additional information on the Kepri Upper-Air UVC LED Disinfection System, visit <https://www.excelitas.com/product/kepri-upper-air-uvc-disinfection-system>.

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About Excelitas Technologies

Excelitas Technologies® Corp. is a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions to meet the illumination, optical, optronic, sensing, detection and imaging needs of our OEM and end-user customers. Serving a vast array of applications across biomedical, scientific, semiconductor, industrial manufacturing, safety, security, consumer products, defense and aerospace sectors, Excelitas stands committed to enabling our customers’ success in their many various end-markets. Our team consists of more than 7,500 professionals working across North America, Europe and Asia, to serve customers worldwide.

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