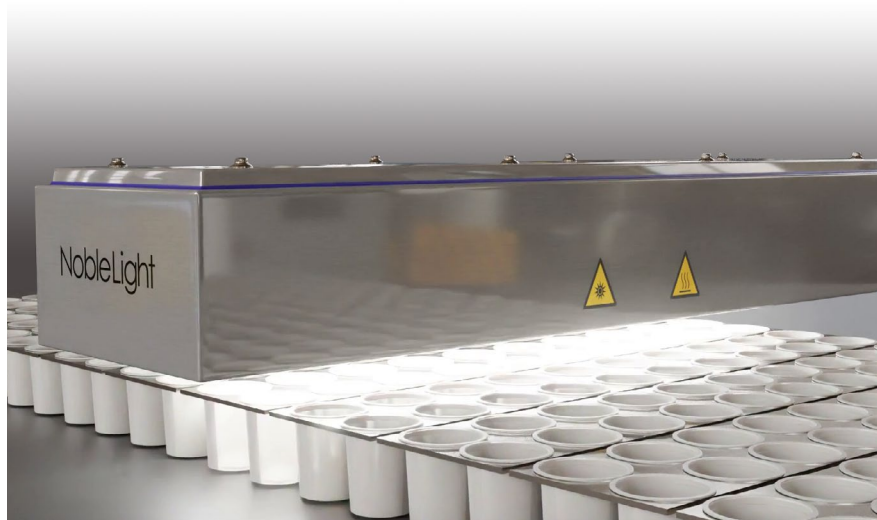


Noblelight BlueLight® Flash Systems

Advanced Disinfection for Modern Food & Beverage Packaging



In the fast-paced world of food and beverage packaging, hygiene, efficiency, and reliability are non-negotiable. That's where the Noblelight® BlueLight Flash systems from Excelitas® come in—delivering cutting-edge, chemical-free disinfection that's transforming how manufacturers disinfect products and packaging in food and beverage production facilities.

Powered by pulsed xenon technology, BlueLight Flash systems emit intense ultraviolet light, inactivating pathogens by disrupting their cell structure. This results in significant log reduction rates across a wide range of surfaces and packaging types—from pots, tubs and caps to lid foils, sealing films, and direct irradiation of organic products like poultry.

The BlueLight Flash product family includes two specialized systems:

BlueLight Flash small area is designed for high-throughput disinfection of compact packaging and organic products, such as beverage bottle caps, pots, tubs, cups and poultry portions. This system achieves >4 log microbial reduction at speeds of up to 500

m² per hour. Its robust design supports operation in challenging environments, including cold and humid conditions typical of poultry and food production facilities, while remaining easy to integrate into new and existing packaging lines.

The BlueLight Flash large area system is engineered for applications requiring consistent, high-intensity irradiation across expanded surfaces—ideal for environments such as dairy production facilities. It delivers a flexible, low-maintenance solution that supports both cell plate and sealing film carrier applications. The cartridge-style lamp allows for quick replacements, minimizing downtime and simplifying maintenance. Its modular design improves adaptability and helps reduce spare parts inventory. With a compact footprint, the system integrates easily into space-constrained operations and is well-suited for retrofitting.

Both systems prioritize safety, featuring intuitive human machine interfaces and quartz glass breakage sensors, while the flashlamp enclosures are IP69 rated supporting washdown protocols.

BlueLight Flash excels in addressing emerging packaging trends, especially the shift toward thinner, lighter materials that are challenging for traditional disinfection methods such as wet chemical processes. As a non-contact photonic solution, BlueLight Flash delivers increased log reduction rates without damaging delicate packaging substrates.

To ensure optimal implementation, Excelitas offers packaging disinfection modeling and simulation support, helping customers design the most effective configuration for their specific application.

For manufacturers seeking a high-performance, sustainable disinfection solution, BlueLight Flash systems deliver unmatched safety, power, and peace of mind—backed by the Noblelight® brands legacy of innovation and expertise. Please contact us to find out more about these advanced, high performance systems.

<https://www.excelitas.com/product-category/uv-c-flash-disinfection-systems>

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