

Collins launches UV cabin hygiene solution



Lilac-UV lighting can be used throughout the cabin

[Collins Aerospace](#) yesterday unveiled the Lilac-UV, an ultraviolet (UV) lighting solution to sanitize aircraft interiors nearly anywhere a light is installed inside an aircraft.

Lilac-UV emits a violet light that disinfects surfaces in seconds to minutes, depending on lamp configuration and specific pathogen. Lilac-UV can be applied in lavatories, galleys, flight decks, cargo bays and throughout the cabin, and can be set for scheduled cleanings or manual applications during or between flights. The sanitizing light, combined with other hygienic measures taken onboard aircraft, gives added peace of mind and protection to passengers while also reducing aircraft downtime for manual cleaning.

Lilac-UV uses technology developed by [The Boeing Company](#) as part of a licensing agreement granting Collins the ability to build on Boeing's UV technology for in-flight operation.

"At the heart of this project is the desire to continue to build the public's trust and confidence in air travel as passengers return to the skies," said Cynthia Muklevicz, Vice President of Business Development for Collins Aerospace in yesterday's announcement. "Collins and Boeing share the common goal to redefine air travel, a commitment to collaboration and the technical research and development expertise to bring this game-changing, hygienic technology to market for the benefit of air-travelers around the world."

The new Collins-developed sanitizing lighting system operates with an intelligent dosage controller – for scheduled cleanings and manual treatments – and an occupancy detector for enclosed spaces, like an airplane lavatory.

"Our design allows for installation anywhere in the cabin with minimal or no hardware design changes, enabling users to switch to a higher power lamp or change the number of lamps based on application," said Bridget Sheriff, vice president of engineering at Collins Aerospace. "The intelligent controller automatically adjusts to manage power consumption and offers scientifically proven disinfection of spaces during and between flights."

A finalist for the 2021 Crystal Cabin Award in the “Clean & Safe Air Travel” category, the Lilac-UV sanitizing system will be available for new cabins or with the ability to retrofit to existing interior spaces.