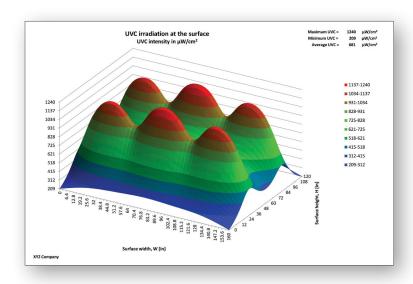


COMMERCIAL SERIES

BlueCalc™ Surface & Air Software-based UVGI System Configuration Sizing Programs



The key to the successful application of UVGI technology to any commercial project is determining the correct number, size and placement of UV-C lamps within the HVAC system for optimum effectiveness. To streamline this process Fresh-Aire UV® has introduced *BlueCalc™*, a suite of software applications that use advanced lighting algorithms to determine optimal UV-C coverage based on the project's specific HVAC system design parameters.



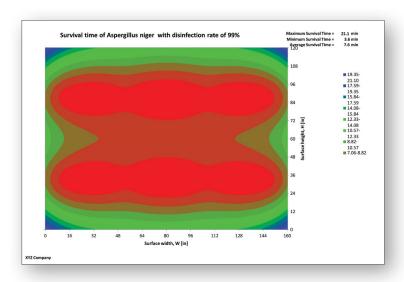
BlueCalc™ Advantages

- Accurately models UV-C Irradiation on coils, in air ducts and other surfaces
- Calculates airborne & surface microbe inactivation rates
- Includes Fresh-Aire UV proprietary UV-C Factor
- Easy to use online form
- Results based on specific HVAC system parameters
- Report includes charts suitable for presentations
- Comprehensive analysis unique in the UVGI industry
- Accounts for duct material reflectivity, air velocity, remaining lamp life, supply or return side coil placement, duct shape, and other parameters.
- Cost savings and ROI calculations available

Comprehensive & Easy To Use

Fresh-AireUV® provides a convenient and free online interface which building managers, engineers and consultants can use to input information about the size, dimensions, capacity and other parameters of the HVAC system. Fresh-AireUV® technicians then use this information as the basis for sizing simulations using **BlueCalc™ Surface** and **BlueCalc™ Air** UVGI sizing programs.

The analysis ensures that an engineer's UV fixture configuration will be effective for optimum microbe disinfection and operate and will meet the requirements of proposed ASHRAE SPC 185.1 and 185.2 standards. Once the size, number, and placement of UV-C lights is determined by BlueCalc™, it is a simple matter of quoting the number of UV systems required to complete the commercial UVGI project.



W W W . F R E S H A I R E U V . C O M



COMMERCIAL SERIES

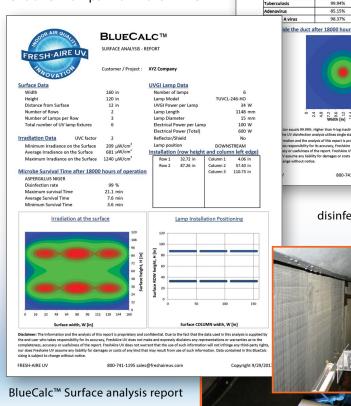
BlueCalc™

Analysis & Report

The free analysis & report generated by our *BlueCalc*™ Software shows the number and placement of UV-C lamps needed to achieve the results generated from the **BlueCalc™** Analysis & Report Request Form. It also contains charts and graphs representing data such as the estimated irradiation pattern, placement of UV lamps within the HVAC

system, microbial inactivation rates, etc. which are suitable for engineers and consultants to include in project proposals.





Help Throughout The Design & Installation Process

Fresh-Aire UV® consultants work with building managers and engineers throughout the design and installation of the commercial UV-C system. This will provide you with all the information necessary to configure the best possible UVGI solution for your project and help resolve any technical issues that may come up.



800-741-1195

WWW.FRESHAIREUV.COM

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TUV-C-BLUECALC-SPEC 10.2.17

BLUECALC™

Irradiation Data

tivation (sterilization) rates after 18000 hours

85.15% 98.37%

AIR DISINFECTION ANALYSIS - REPORT r / Project: XYZ Compan **UVGI Lamp Data**

BlueCalc™ Air disinfection analysis report

