



## PRACTICAL, INTEGRATED & CUSTOM-BUILT

To ensure a simplified design process for UV-C systems for air and coil treatment, we have developed **automatic configuration software for our applications**, based on the dimensions of each individual Air Handling Unit.

In addition, we support our partners and designers with a DLL that allows the same calculation logic to be processed and **integrated into third-party configuration software**.

**Developed in cooperation with:**



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

**DIEF**

DIPARTIMENTO DI  
INGEGNERIA INDUSTRIALE



## KEY PRODUCT FEATURES

- **Calculate the suitable models and the number of lamps needed** to eliminate specific viruses, bacteria, and molds on the customer application and simulate the expected performance and results.
- **Specifically designed for COIL and AIR disinfection**, supporting accurate and reliable system sizing.
- Supports the **optimal configuration of power supply options and mounting kits**, simplifying system selection and installation.
- Provides advanced **irradiation and UV-C dose distribution graphics**, enhancing system transparency and design confidence. Includes microbial reduction estimation in air, covering tuberculosis, legionella, and SARS-CoV-2.
- **BLACKBOX – DLL software package available**, developed as a .NET DLL, available as a stand-alone module or **fully integrated into AIRCALC and AIRCALC NEXT**.



HEALTHCARE



HVAC



PROCESS INDUSTRY



HOSPITALITY



SHARED SPACES



PUBLIC VENUES



WELLNESS CENTERS



TRANSPORT

TECHNICAL TABLE	UV-CALC HVAC AIR	UV-CALC HVAC COIL	BLACKBOX DLL AIR + COIL
USER EXPERIENCE	ONLINE ACCESS FROM ANY BROWSER	ONLINE ACCESS FROM ANY BROWSER	INTEGRATION REQUIRED
SOFTWARE INTEGRATION - STAND ALONE	-	-	✓
SOFTWARE INTEGRATION - AIRCALC (INCL.NEXT)	-	-	✓
<b>DATA INPUT</b>			
TARGET DISINFECTION LEVEL SELECTION	✓	✓	✓
POWER SUPPLY & ACCESSORIES CONFIGURATION	✓	✓	✓
NOTE: SUPPORTED AHU DIMENSIONS (MM.)	HEIGHT: min.501 - max.5000 WIDTH: min.501 - max.5000	HEIGHT: min.501 - max.4800 WIDTH: min.686 - max.5155	SAME AS UV-CALC AIR AND UV-CALC COIL
<b>OUTPUT RESULTS</b>			
COMPLETE BILL OF MATERIALS (BOM)	✓	✓	✓
MICROBIAL REDUCTION ESTIMATION (%)	✓	✓	✓
GRAPHICAL APPLICATION LAYOUT	✓	✓	-
IRRADIATION & DOSE GRAPHIC CHARTS	✓	-	-
PDF PRINTOUT	✓	✓	-

## BLACKBOX – DLL SOFTWARE PACKAGE AVAILABLE

- Enables fast, intuitive, and reliable UV lamp selection.
- Flexible and **ready-to-use software solution**, developed as a .NET DLL for seamless system integration.
- Designed to **fit effortlessly into existing calculation** and design workflows.
- Available as a **stand-alone module or fully integrated into AIRCALC and AIRCALC NEXT**.

### UV-CALC HVAC AIR TREATMENT

[CALCULATE AIR DISINFECTION](#)



SCAN HERE TO START CALCULATION →



### UV-CALC HVAC COIL TREATMENT

[CALCULATE COIL DISINFECTION](#)



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### UV-CALC HVAC COMPLETE DLL

[Request DLL Key](#)



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