

# UPPER-ROOM UVGI for Child Care

GERMICIDAL ULTRAVIOLET DISINFECTION LIGHTING

*“Essential for Airborne Infection Control”*



**nZGUV<sup>®</sup>**  
GERMICIDAL LIGHTING

**Child Care is essential for working parents.  
UV technology (used by hospitals for over 80 years)  
helps to provide to safest environment possible.**

# Why Germicidal UVGI is Essential for Airborne Infection Control

“Germicidal UV, primarily upper room UV, has for over 80 years provided a safe and highly effective way to disinfect air in occupied rooms where person to person transmission is likely to occur, Quantitatively, where applicable, no other technology approaches the equivalent air changes per hour that can be produced by upper room UV, silently, safely and cost-effectively. **For COVID-19, it is essential** that engineering strategies target transmission in occupied rooms, more so than in the ventilation system, given the paucity of evidence of recirculated virus”. **“It is no exaggeration to claim that the most effective, evidence-based, cost effective, safe, sustainable, and available engineering intervention to disinfect air is germicidal ultraviolet (GUV) air disinfection”.**

*Harvard Medical School*



## Upper-Room UVGI

Under high-risk conditions, especially where few buildings have efficient mechanical ventilation systems, **the only approach to the environmental control of airborne infection is Upper-room GUV.**

*Harvard Medical School*



**Upper-room UVGI KILLS all bacteria, mold, pathogens and viruses in the air, in the room where they occur in seconds. Runs 24/7/365, affordable, maintenance free, silent and is safe for occupied spaces.**



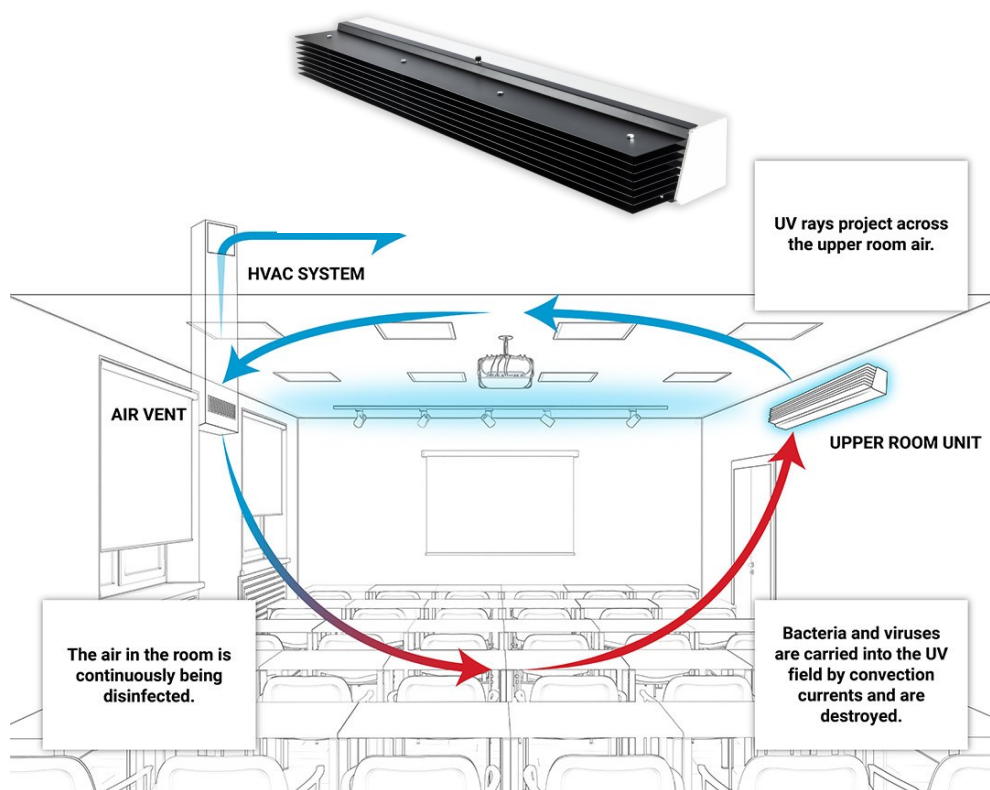
Upper-room UVGI Recommended by: CDC ASHRAE, EPA, FDA, U.S. Dept. of Energy, Harvard Medical School, Johns Hopkins School of Public Health, Lancet COVID-19 Commission, U.S. Dept. of Defense, Homeland Security, Duke Medical School, AIA, U.S. Dept. of Education, DHEC, American Medical Association, Center for Infectious Disease, IES, U.S. Army Public Health Center, OSHA, IFMA, NIOSH, NCBI, American Journal of Infection Control, National Academies of Science, Engineering and Medicine and every major Medical and Scientific Institution



**“Upper-room UVGI kills pathogens in the room where they are released. For airborne viral particles, upper-room UVGI systems provide air changes per hour that are similar to the introduction of clean air into the space.” *The CDC***



- Operates 24/7/365
- Safe for Occupied Rooms
- Maintenance Free
- Chemical Free
- Ozone Free
- Silent
- Automated Lamp Replacement Notice
- Proven for over 80 Years in Hospitals to Stop Airborne Infections
- Disinfects and Cleans the Air to the Equivalent of Fresh Air



## The CDC

Ultraviolet germicidal irradiation, or UVGI, is the use of ultraviolet (UV) energy to kill viral, bacterial, and fungal organisms. UVGI fixtures produce UV-C energy, which has shorter wavelengths than more penetrating UV-A and UV-B rays and pose less risk to human health. Upper-room UVGI refers to a disinfection zone of UV energy that is located above people in the rooms they occupy.

**This kills airborne pathogens in the room where they are released.** Fixtures are installed to prevent direct UV exposures to people in the room.

### How does Upper-Room UVGI work?

1. Air passes through the disinfection zone from air flow through a heating, ventilation, and air conditioning (HVAC) system, fans, and/or open windows.
2. The airborne pathogens are killed once they receive an appropriate amount of UV energy.



The First UL Tested and Listed GUV Technology

UL 1598  
UL 8802  
UL IEC62471 Photobiological





## NetZero USA's **NZGUV** Direct to Surface Powerful “HANDHELD DISINFECTION UNIT”



The **NZGUV “Handheld Disinfection Unit”** will kill all bacteria, pathogens and viruses on any surface the light shines on in seconds.

For those objects and surfaces that chemical disinfection is not applicable for, this powerful chemical free GUV Handheld Unit is the ideal solution.

**netZero usa®**  
FINANCIAL DIVISION



The NetZero USA LEASING PROGRAMS powered by Wells Fargo can design Leasing solutions for GUV installations that avoid any up-front or out-of-pocket cost.

- No Closing Cost
- No Down Payment
- Low Monthly Payments / \$1.00 Buyout
- 36, 60, 72 & 84 Month Terms
- Non-Encumbering Equipment Lease
- Material & Installation