

UV Aircraft Germ Kill

Prepared for

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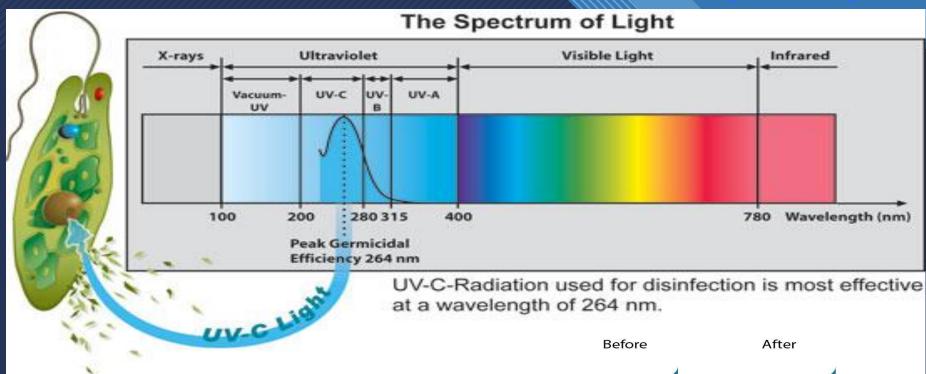
CTO & Co-Founder



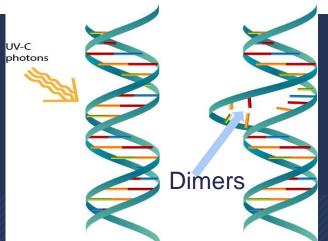
31 August 2020



WHAT IS ULTRAVIOLET "C" (UVC)?

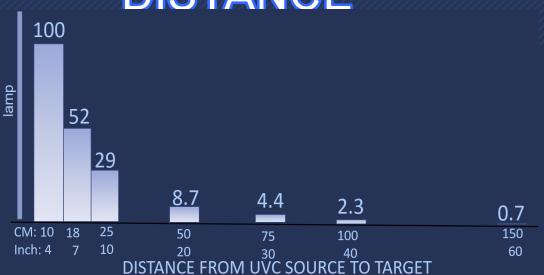


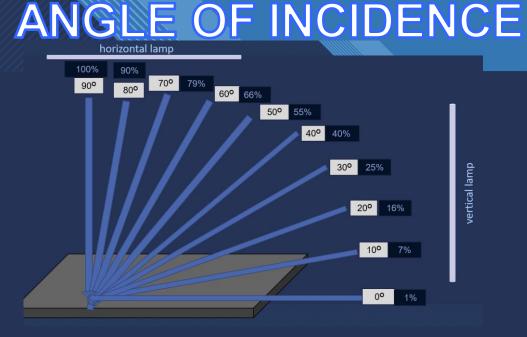
Hospital Proven >99% kill at ≤8mJ/cm²: photons
Coronavirus
Influenza
MRSA

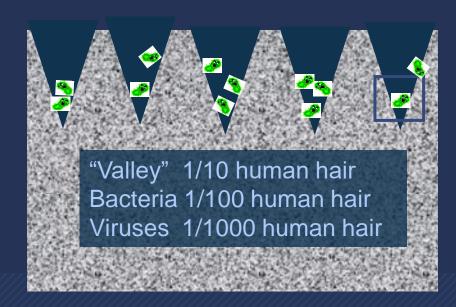




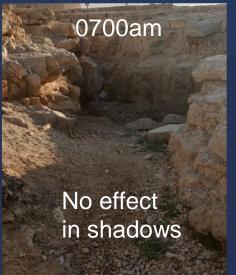
KEY UVC PROPERTIES DISTANCE ANGLE OF







CANYON WALL EFFECT

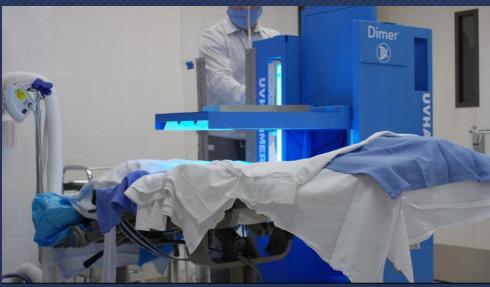




³ Dr. Kreitenberg, Dimer, EPIC Online Technology Meeting on Surface Disinfection and Antibacterial Surfaces (in cooperation with IUVA)

Mimer: "How uv works"



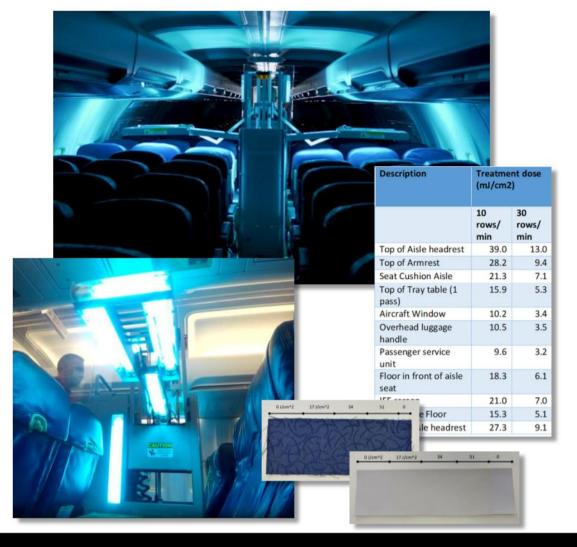








HONEYWELL UV CABIN SYSTEM

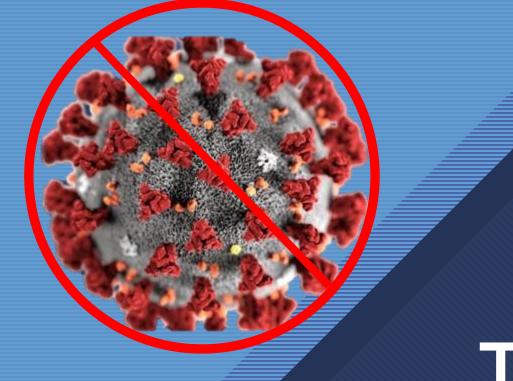


- FAST: Treats 30-row single-aisle aircraft in 10 minutes
- CONSISTENT: Reduces cleaning crew variability and errors design enables consistent coverage
- EFFECTIVE: Uses 254nm UVC lamps also used in hospitals
 - Clinical studies demonstrate UVC light can reduce pathogens with rates as high as 90.0% - 99.9999% on tested bacteria and viruses when irradiated at specified dosages.¹
 - Preliminary clinical studies indicate UVC light may inactivate SARS-CoV-2, the virus which causes the COVID-19 disease at certain dosages using UVGI.¹
- MATERIAL SAFE: Materials testing showed no impact to flame retardancy and strength. Some color changes possible on some materials when used 4+ times daily for 4-5 years.²
- FLEXIBLE: Designed for use in cabin, galleys and lavatories
 - (1) Honeywell UV Cabin White Paper (June 2020 Update)
 - (2) Honeywell UV-C Materials Compatibility White Paper (August 2020)

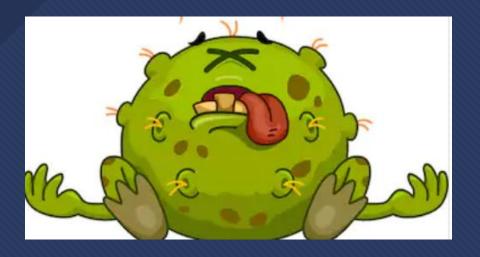
RAPID REDUCTION OF VARIOUS PATHOGENS WHEN PROPERLY APPLIED TO TARGETED HIGH-TOUCH SURFACES

FAST — CONSISTENT — EFFECTIVE

These product concepts are currently under development. No testing has been done specifically as to protection against COVID-19. As with all of our products and services, Honeywell will adhere to its commitment to integrity and commitment within its global supply chain; meet relevant legal, scientific and industry standards; substantiate claims; and obtain necessary regulatory approvals as products progress through the development process.



Thank You





Member, International Ultraviolet Association