

Competitive Analysis: UV Disinfection



Tru-D SmartUVC

Supplier: Tru-D
Size: 65-inches tall
Type of light: UV-C
Run time: Typically 45-minute cycle, 1 cycle per room
Self-reported kill rate: Third party validations 3–4 Log₁₀ pathogen reduction in direct and indirect shadowed areas (*Cdiff*, MRSA, VRE, *Acinetobacter*)



Xenex LightStrike Germ-Zapping Robots

Supplier: Xenex
Size: 43-inches tall stowed, 62-inches tall in use
Type of light: UV-C
Run time: 4 minute cycles, typically 4 cycles per OR
Self-reported kill rate: 2 to 3 log sporicidal, vegetative bacteria, virus kill. Ebola > 4 log reduction in one-minute Anthrax* > 3 log reduction in 15 minutes



Surfacide

Supplier: Surfacide Manufacturing
Size: 77-inches tall, 24-inches diameter
Type of light: UV-C
Run time: 20–30-minute cycle, 1 cycle per room
Self-reported kill rate: > 5 log



Optimum-UV Enlight System

Supplier: Clorox
Size: 72-inches tall, 36-inches wide
Type of light: UV-C
Run time: 5-minute cycle, typically 3 cycles per room
Self-reported kill rate: The Optimum-UV Enlight™ System kills more than 30 HAI-causing pathogens in 5 minutes at a distance of 8-feet, including a 4-log reduction of *Clostridium difficile* spores and a greater than 5-log reduction of more than 20 pathogens such as methicillin-resistant *Staphylococcus aureus*, vancomycin-resistant *Enterococci* and carbapenem-resistant *Enterobacteriaceae*.



AUVS KR615 Germicidal Enclosure

Supplier: Advanced Ultra-Violet Systems, LLC
Size: 9.75-inches × 20-inches × 7-inches
Type of light: UV-C
Run time: 48-second cycle, one cycle per instrument
Self-reported kill rate: 99.9 percent (independent lab confirmed)