

# UVDI-360 Room Sanitizer

## UV Disinfection: The Role of Distance and Time



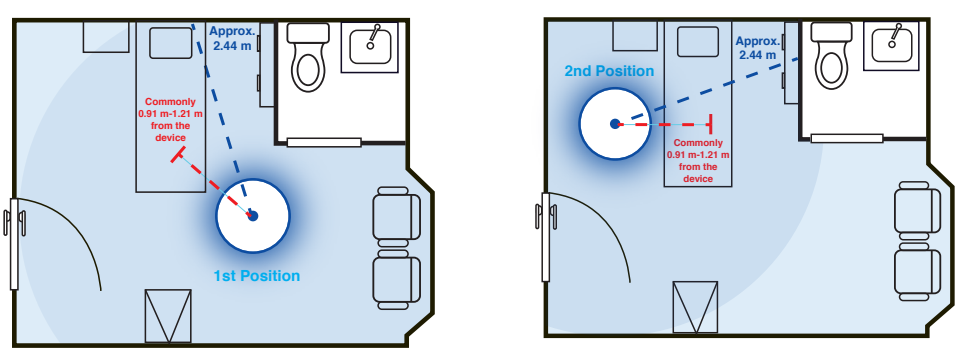
### Why Distance and Time of Pathogen Claims Matter

Many ultraviolet device manufacturers claim inactivation of pathogens at various distances, including 0.91 m and 1.21 m. At shorter distances, UV devices can deliver a stronger germicidal dose to surfaces, increasing the potential for pathogen inactivation in localized areas. However, when rapid whole room disinfection is the goal, inactivating pathogens at 0.91 m and 1.21 m does not indicate the ability to disinfect large areas - such a 45 m<sup>2</sup> patient room - quickly.

The UVDI-360 Room Sanitizer is proven in independent laboratory testing to inactivate over 35 pathogens in 5 minutes at 2.44 m and SARS-CoV-2 in 5 minutes at 3.65 m distance. Long 158 cm lamp technology allows for optimal germicidal reach from above and below surfaces - and enables covering beyond 2.44 m easily. We believe these parameters enable rapid, efficient UV whole room disinfection that integrates with efficient environmental hygiene protocols.



### UV Whole Room Disinfection: Two Placement Example



- - Competitive UV Device Pathogen Claims - commonly 0.91m-1.21 m feet from device.
- - The UVDI-360 Room Sanitizer has proven pathogen claims at 2.44 m - actual reach may be greater.

# UVDI-360 Room Sanitizer

## Proven Broad Spectrum Efficacy at Real-World Distances

- 99.99% inactivation of over 35 pathogens in 5 minutes at 2.44 meters, including *C. difficile* spores and MRSA
- 99.99% inactivation of SARS-CoV-2 in 5 minutes at 3.65 meters
- The distance of pathogen inactivation claims is indicative of real-world conditions for whole room disinfection

99.99% inactivation in 5 minutes at 2.44 meters   3.65 meters for SARS-CoV-2*			
	4.0 Log Reduction	5.0 Log Reduction	6.0 Log Reduction
<b>Fungi</b>	<ul style="list-style-type: none"> <li>• <i>Candida auris</i><sup>†</sup></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Candida albicans</i></li> </ul>	
<b>Bacterial Spores</b>	<ul style="list-style-type: none"> <li>• <i>Clostridium difficile</i></li> </ul>		
<b>Viruses</b>	<ul style="list-style-type: none"> <li>• Adenovirus</li> <li>• Hepatitis A Virus</li> <li>• Hepatitis C Virus<sup>††</sup></li> <li>• Herpes Simplex Virus 2</li> <li>• Human Coronavirus</li> <li>• Measles Virus</li> <li>• Respiratory Syncytial Virus</li> <li>• Rhinovirus</li> <li>• Rotavirus</li> <li>• Severe Acute Respiratory Syndrome Coronavirus-2 [SARS-CoV-2]</li> </ul>	<ul style="list-style-type: none"> <li>• Ebola</li> <li>• Enterovirus 68</li> <li>• Herpes Simplex Virus 1</li> <li>• Influenza A Virus [H1N1]</li> <li>• Middle East Respiratory Syndrome Coronavirus (MERS-CoV)</li> <li>• Norovirus<sup>†††</sup></li> <li>• Poliovirus</li> </ul>	
<b>Bacteria</b>		<ul style="list-style-type: none"> <li>• <i>Acinetobacter baumannii</i></li> <li>• <i>Bordetella pertussis</i></li> <li>• <i>Escherichia coli</i></li> <li>• <i>Escherichia coli</i> (carbapenem-resistant; CRE)</li> <li>• <i>Enterococcus faecium</i> (vancomycin-resistant; VRE)</li> <li>• <i>Listeria monocytogenes</i></li> <li>• Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)</li> <li>• <i>Mycobacterium bovis</i> (TB surrogate)</li> <li>• <i>Pseudomonas aeruginosa</i></li> <li>• <i>Salmonella enterica</i></li> <li>• <i>Staphylococcus aureus</i></li> <li>• <i>Staphylococcus epidermis</i> (coagulase-negative; CoNS)</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Enterobacter aerogenes</i></li> <li>• <i>Enterococcus aecalis</i></li> <li>• <i>Klebsiella pneumoniae</i></li> <li>• <i>Proteus mirabilis</i></li> <li>• <i>Serratia marcescens</i></li> </ul>

\*Based on independent laboratory testing

†Between 3-and-4-log reduction achieved at 20 minutes

†† Via bovine viral diarrhea virus surrogate

††† Via feline calicivirus surrogate

