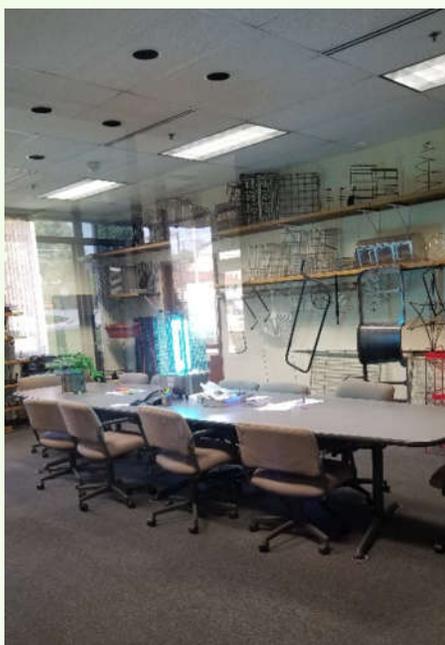


## Conference Room

UV-KLEEN™ model **UVK-PRK-300W-O** is utilized at a conference room in an industrial facility for disinfectant purposes. The following results show the time taken by the UV-KLEEN™ system to kill the virus and bacteria by 99.99%.

50mJ/cm<sup>2</sup> is the required UV-C to disinfect a room up to 99.99% from viruses and bacteria. The UV-KLEEN™ could achieve 50mJ/cm<sup>2</sup> in 4 min when the dosimeter is placed at 7ft away from the lamp source. The Ozone levels are measured to be 1ppm in 6 min when measured at 7 ft, and 1ppm in 12 min at 12 ft from the UV-KLEEN™ system.

Parameters	Values
Dimensions of the room	18.5x28x9.5 ft
UV-KLEEN™ location	Center of the room on tabletop
Temp and Humidity	70F 68%
Time for 50mJ/cm <sup>2</sup>	4 min at 7ft
Ozone Levels	1 ppm in 6 min @ 7ft 1 ppm in 12 min @ 14ft
<u>Time to kill Covid19</u>	<u>4 min @ 7ft Surface</u> <u>6 min @ 7ft Air</u> <u>12min @14ft Shadowed areas</u>



The statistical published results state that Sars-CoV-2 (Covid19) for a 99% kill rate. UV-KLEEN™ achieved 50mJ/cm<sup>2</sup>, a much higher UV irradiation to kill Covid19 under 4 mins at 7 ft from the lamp source.

While the UV can disinfect surfaces and the air that is passed through the lamp, Ozone is more beneficial to use when certain hidden spots needed sterilization. Ozone can reach every concealed or hidden area of the room, oxidizing (killing) the pathogens. The Ozone is measured at 14ft in the far corner of the room (when the Ozone reaches this far corner it will have permeated all other shadowed areas in the room and all the displayed items in the room), and it is found to be 1ppm at 12 min. In other words, it took 12 mins to reach 1ppm at a distance of 14ft from the source. 1ppm is lethal for many

viruses including Covid19 and other bacteria in the air.

Based on the above results, we can conclude the UV-KLEEN™ system took 4 min to disinfect the surface of the conference table and 5 min to disinfect the air and other surfaces in a corporate office room. The remaining Ozone took 20 mins to dissipate to under 0.4ppm, a safe level to occupy the room.

