

# Aerosol Sars-CoV-2 Kill Times



IRRADIANCE (UW/CM2)

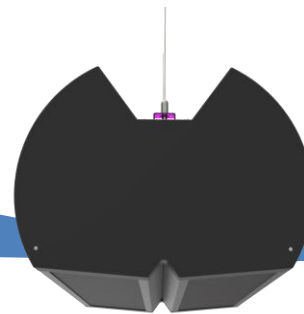
21 26 33 43 58 84 131 233 525 2100 2400 2100 525 233 131 84 58 43 33 26 21

DISTANCE IN FEET

10 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 10

KILL TIME IN SECONDS FOR SARS-COV-2 AEROSOL

81 65 51 39 29 20 13 7 3 .8 .7 .8 3 7 13 20 29 39 51 65 81



**.3 SECONDS KILL TIME  
AIR PULLED THROUGH FIXTURE**

Kill times are based on a dosage of 1.7 mj/cm<sup>2</sup> required for a 99% (log 2) reduction of aerosol droplets suspended in air. Most studies test SARS-CoV-2 in cultures or on surfaces, there is limited data for airborne aerosols. Dosage finding vary widely. SARS-CoV-2 is the virus that causes Covid-19.