

## CleanTouch™ Antimicrobial UV-C Light

Only CTS Healthcare's kiosks offer CleanTouch™ Anti Microbial UV-C Light, which is 99% effective against harmful bacteria, viruses and other microbes in less than 30 seconds.

CTS CleanTouch™ uses UV-C technology, a germicidal light that deactivates the DNA of bacteria, viruses and other pathogens, destroying the ability to multiply and cause disease without the use of any chemicals or residue left behind. CTS CleanTouch™ kiosks automatically bathe the touchscreen in disinfecting light, killing dangerous organisms in just seconds after every use.



**Now Available on CTS Tablet Kiosks!**

## WHAT IS ULTRAVIOLET?

Ultraviolet light is part of the light spectrum, which is classified into three wavelength ranges:

- UV-C, from 100 nanometers (nm) to 280 nm
- UV-B, from 280 nm to 315 nm
- UV-A, from 315 nm to 400 nm

## WHAT IS GERMICIDAL ULTRAVIOLET?

UV-C light is germicidal that deactivates the DNA of bacteria, viruses and other pathogens, destroying the ability to multiply and cause disease. Specifically, UV-C light causes damage to the nucleic acid of microorganisms by forming covalent bonds between certain adjacent bases in the DNA. The formation of such bonds prevent the DNA from being unzipped for replication, and the organism is unable to reproduce. In fact, when the organism tries to replicate, it dies.

## BRASS TRACKS ON THE CTS LAMP

The UV intensity of the CTS lamp: 62 mW/cm<sup>2</sup>. With that intensity, the UV dose (calculated at maximum distance from lamp)/adjustment factor for 12" is 6.48, calculation is UV dose = 62\*6.48\*(seconds).

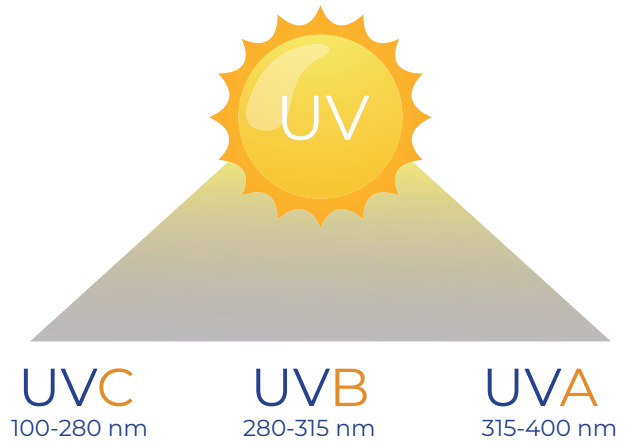
## SOME EXAMPLES

The UV-C bulb on CTS kiosks bathes the screen in disinfecting light, in just seconds killing organisms like:

- MRSA
- Bacteriophage - E.Coli
- Influenza
- Pseudomonas aeruginosa
- Staphylococcus aerius

## THE BEST PART

The CTS CleanTouch™ Antimicrobial UV-C light is not a chemical, so it kills “super bugs” with a resistance to chemicals and antibiotics.



For more information contact: