

UV-C Industrial Wand Testing Report

(Data according Philips latest research
with Boston University)



Testing Result for Single 25 LED System

	Touching the surface	0.5'' distance	1'' distance
With Glass	17.57mw/Cm2	4.083 mw/Cm2	1.569 mw/Cm2
Killing 99% virus	1.7 seconds	7.34 seconds	19 seconds
Killing 99.9999% virus	31 seconds	134 seconds	350 seconds
Without Glass	20.982 mw/Cm2	6.478 mw/Cm2	2.279 mw/Cm2
Killing 99% virus	1.43 Seconds	4.63 Seconds	13.16 Seconds
Killing 99.9999% virus	26.21 Seconds	84.90 Seconds	241.33 Seconds

Testing Result for Double 25 LED System

	Touching the surface	0.5'' distance	1'' distance
With Glass	18.662 mw/Cm2	5.439 mw/Cm2	3.729 mw/Cm2
Killing 99% virus	1.61 Seconds	5.46 Seconds	8.05 Seconds
Killing 99.9999% virus	29.47 Seconds	100.13 Seconds	147.49 Seconds
Without Glass	29.2 mw/Cm2	8.757 mw/Cm2	4.553 mw/Cm2
Killing 99% virus	1.03 Seconds	3.43 Seconds	6.59 Seconds
Killing 99.9999% virus	18.84 Seconds	62.81 Seconds	120.8 Seconds

Testing Result for Single 64 LED System

	Touching the surface	0.5'' distance	1'' distance
With Glass	30.18 mw/Cm2	9.27 mw/Cm2	4.76 mw/Cm2
Killing 99% virus	0.99 Seconds	3.24 Seconds	6.30 Seconds
Killing 99.9999% virus	18.22 Seconds	59.33 Seconds	115.55 Seconds
Without Glass	32.21 mw/Cm2	10.2 mw/Cm2	5.12 mw/Cm2
Killing 99% virus	0.93 Seconds	2.94 Seconds	5.86 Seconds
Killing 99.9999% virus	17.08 Seconds	53.92v	107.42 Seconds

Testing Result for Double 64 LED System

	Touching the surface	0.5'' distance	1'' distance
With Glass	32.1 mw/Cm2	9.18 mw/Cm2	4.81 mw/Cm2
Killing 99% virus	0.93 Seconds	3.27 Seconds	6.24 Seconds
Killing 99.9999% virus	17.13 Seconds	59.91 Seconds	114.35 Seconds
Without Glass	33.41 mw/Cm2	10.89 mw/Cm2	5.44 mw/Cm2
Killing 99% virus	0.90 Seconds	2.75 Seconds	5.51 Seconds
Killing 99.9999% virus	16.46 Seconds	50.51 Seconds	101.10 Seconds