



Cello Lighting, Inc.

Industrial Portable 1000W UV Sanitation Cart

Coronavirus disinfection up to 15000 sq. ft. Area



Area	15000 sq. ft.	8000 sq. ft.	4000 sq. ft.	2000 sq. ft.
Time*	30 min	15 min	7.5 min	3.25 min

*Time needed to kill 99.9 % of virus



Technical Specifications

Effective area	≤ 15,000 sq. ft.
Noise	≤55dB(A)
Input power	450W-1280W
Rated power	≤1.28KW
Antibacterial rate	90%-100%
Wavelength	253.7nm
Type of ultraviolet tube	Electrodeless Ultraviolet Tube - 0.9m in length - 19mm in diameter
Manner of powering Tube	2450MHz Microwave
Size	41.7" x 12.6" x 53.1"
Irradiation Intensity per tube	≥107 μ w/cm ²
Input voltage	200V-240V, 47Hz-63Hz
Tube quantity	15



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Product Features

1. Tenfold Lifetime over conventional UV tubs – more than **30,000 hours**

Cello 1000W UV Cart adopts **electrodeless** fluorescent tubes which are not impacted by electrode oxidation and achieve 10 times lifetime compared to other UV tubes.

2. **50%** less power consumption

Electrodeless fluorescent tubes reduce 50% of power consumption.

3. Timer and **remote App control**

Cello 1000W UV Cart allows you to set up 0-30min timer and use delay start (12 seconds) to allow safe and convenient operation. Also Cello provides App remote control for you to turn on or turn off remotely anywhere anytime.

Instructions



Move Cello 1000W UV Cart to disinfection area



Plug in
(15 ft power cord)



Close the window



Select 0-30 min disinfection time and press the power button



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Reference Projects



Corporations



Schools



Restaurants

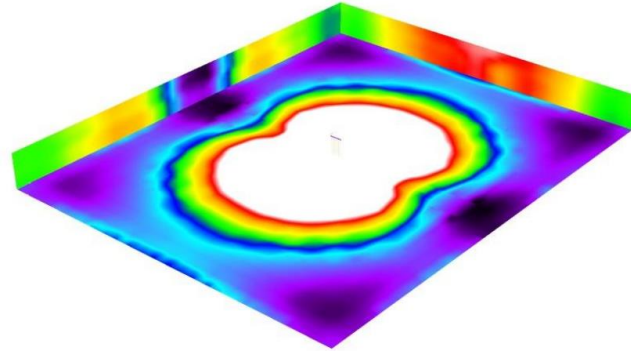
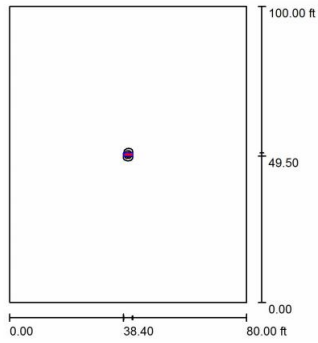


Hospitals

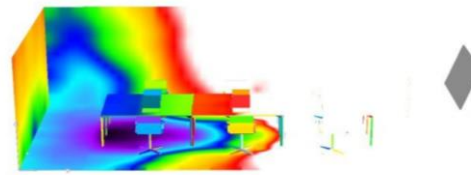
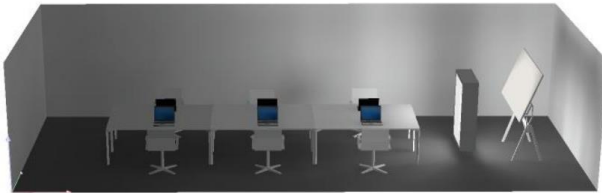


Cello VIRA (Viral Irradiation Room Analysis)

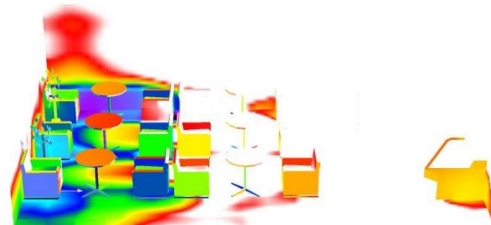
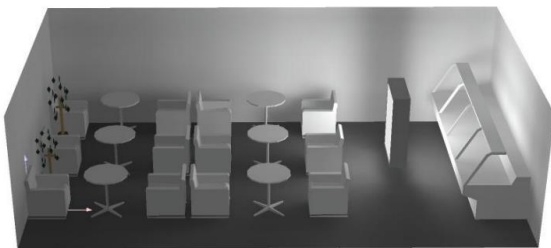
Cello Lighting provides customized VIRA analysis for clients' projects to make sure the effectiveness.



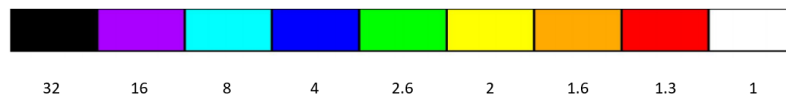
8000 sq. ft. warehouse



Meeting Room



Restaurant



Min Irradiation Time (in minutes) to Kill 99.9% of virus



Test Report and Quality Assurance

Main sterilization factor intensity					
Radiation intensity measured value ($\mu\text{W}/\text{cm}^2$)					
Lamp number	1	2	3	4	Single lamp average
1	109	96	114	130	112
2	95	119	108	110	108
3	96	104	126	116	111
4	122	94	126	94	109
5	120	127	121	90	115
6	118	92	127	102	110
7	129	110	107	109	114
8	118	123	117	123	120
9	115	98	113	100	107
10	96	124	115	124	115

UV Intensity per lamp $\geq 107 \mu\text{W}/\text{cm}^2$

Total UV Intensity (15 lamps) $\geq 1605 \mu\text{W}/\text{cm}^2$

Natural				
	Bacteria content in air (CFU/m^3)	mortality rates (%)	Bacteria content in air (CFU/m^3)	
0	2.76×10^5	/	2.69×10^5	/
7.5	2.46×10^5	10.87	42	99.98
15	2.06×10^5	25.36	0	100.00
0	2.55×10^5	/	2.49×10^5	/
7.5	2.31×10^5	9.41	71	99.97
15	1.86×10^5	27.06	0	100.00
0	2.50×10^5	/	2.42×10^5	/
7.5	2.22×10^5	11.20	1.06×10^2	99.96
15	1.81×10^5	27.60	0	100.00

negative control group.

Kill Factor of bacteria/virus $\geq 99.9\%$

after 7.5 minutes of UV Disinfection