



CELLO UV CART 300W 4-IN-1

SURFACE

AIR



Area (sq. ft.)	1,000	2,000	3,000	4,000	6000
Air Time (Minutes)*	10	20	30	40	60

* Time needed to exchange 100% of air. SAR-CoV-2 killing rate: **99.9%**

** The height of space is **8 ft.** Fan speed is tuned to **800 CFM.**

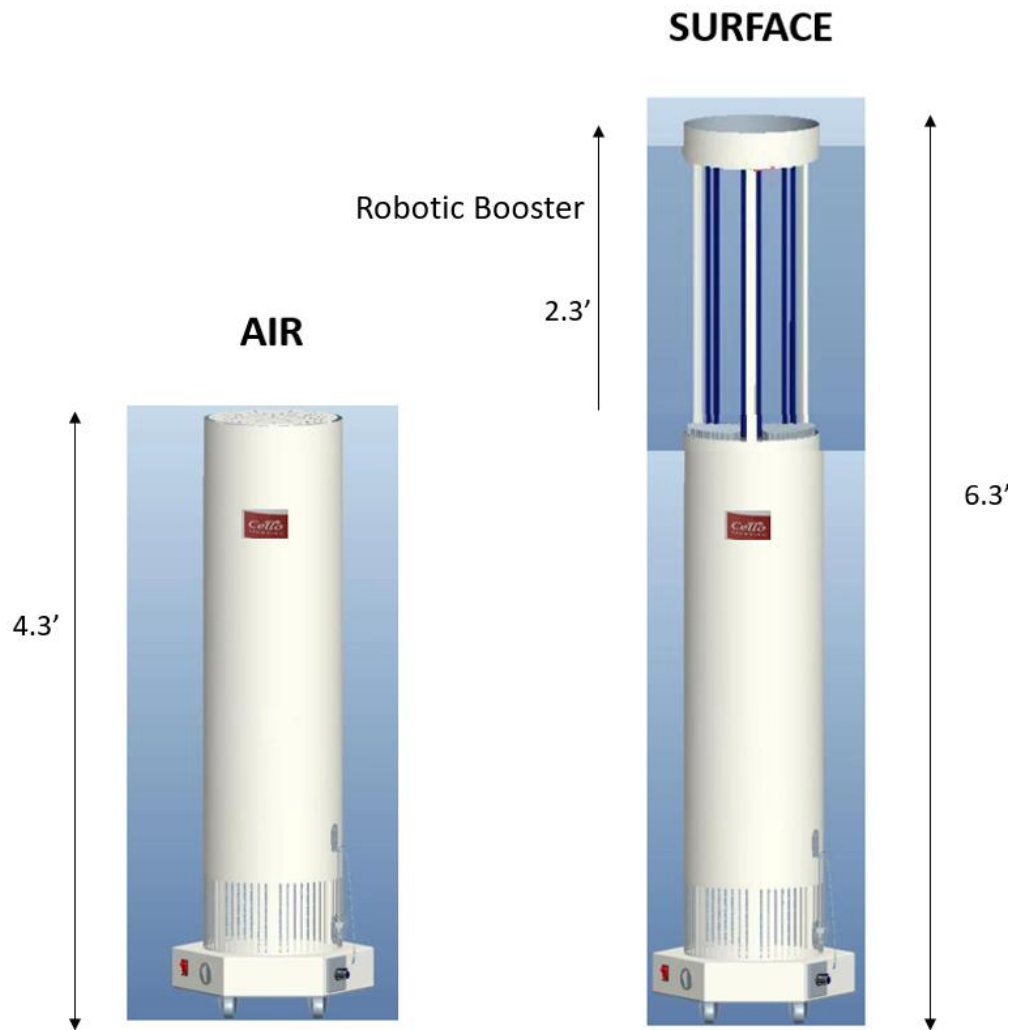
Area (sq. ft.)	400	800	1200	1600	2000
Surface Time (Minutes)*	10	20	30	40	50

*Time needed to disinfect 99.9% of SAR-CoV-2.



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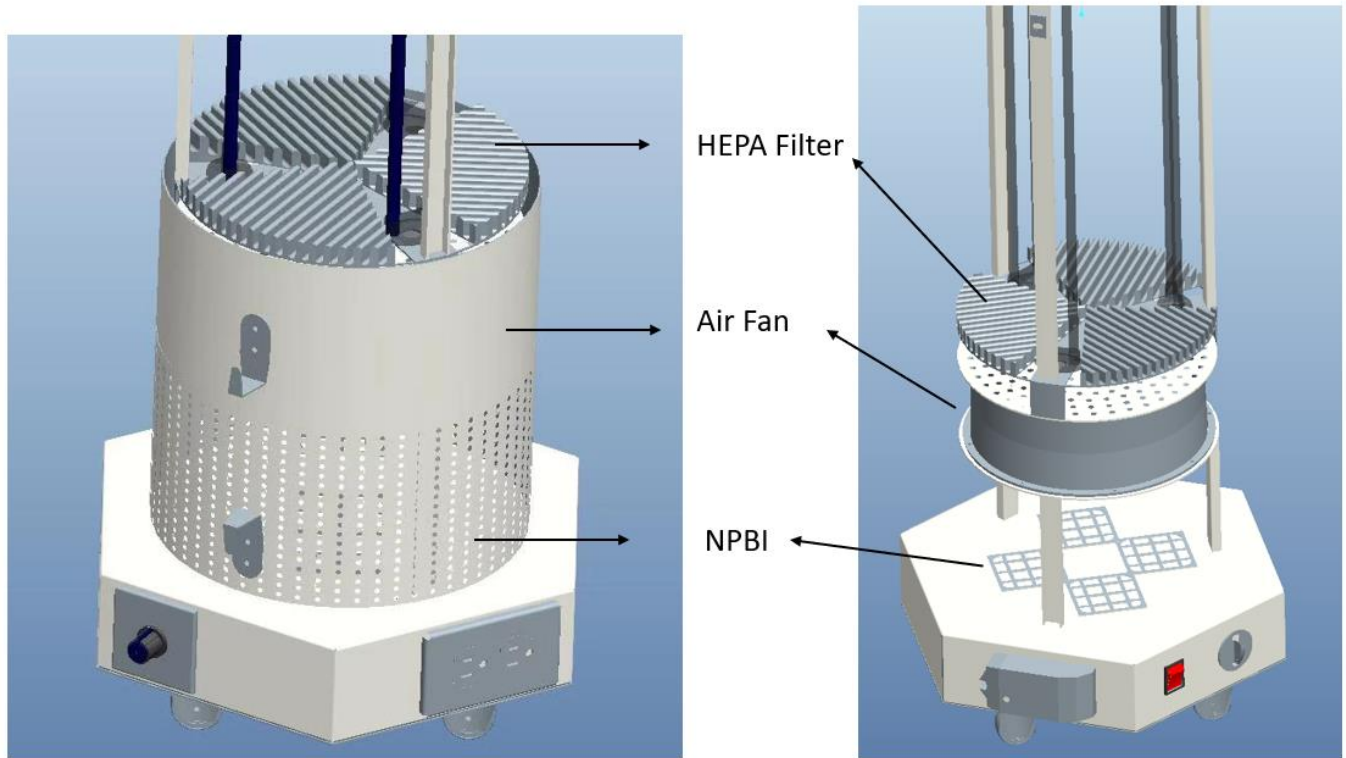
Technical Specifications



Robotic Booster for mode switching	by remote App or local switch on the unit
Input Watt & voltage (Universal)	120 V, 47Hz - 60Hz, 300W
Air Exchange Rate (ACH)	200-1000 CFM (continuously tunable)
Total UV irradiation intensity	600 $\mu\text{W}/\text{cm}^2$
SARS-CoV-2 Killing Rate	99.9 % (@800CFM)
ACH @ 8 ft. high room of 1000 sq. ft.	10 minutes (@800CFM)
Ambient Noise	50 dB (200CFM) – 65 dB (800CFM)
Wavelength	253.7nm
Dimensions	1' (D) x 4.3' (H)
Weight	28 lb.
Ion concentration	50 million ions per cubic cm per second



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Air Disinfection Look-up Table

CFM	Disinfection	500 sq. ft.*	1000 sq. ft	2000 sq. ft.	4000 sq. ft.	5000 sq. ft.	6000 sq. ft.
200	99.9999%	20 min**	40 min	80 min	160 min	200 min	240 min
400	99.99%	10 min	20 min	40 min	80 min	100 min	120 min
600	99.95%	7 min	14 min	27 min	54 min	68 min	81 min
800	99.9%	5 min	10 min	20 min	40 min	50 min	60 min
1000	99.8%	4 min	8 min	16 min	32 min	40 min	48 min

* Height = 8 ft. tall.

** Time to exchange 100% of air.