



UV-C Disinfection Lamp

The Plymouth Medical UV-C Lamp delivers virucidal and bactericidal doses of UV-C for chemical-free disinfection.



The Plymouth Medical UV-C Disinfection Lamp is a chemical free and remote powered sanitation lamp that uses UV-C light to disinfect large rooms creating a safer environment with ease.

HOW DOES THE UV-C DISINFECTION LAMP WORK?

UV light is energy that is emitted at a certain frequency and wavelength. The UV spectrum is between 100 nanometers and 400 nanometers in wavelength and is categorized into 3 subsections - UV-A, UV-B, UV-C. Out of all three forms of UV light, UV-C is the most damaging to organic life. It is also known as the germicidal wavelength because of its effectiveness at killing pathogens and microorganisms¹. The Plymouth Medical UV-C Disinfection Lamp harnesses this germicidal UV-C light at 60 Watts with an effective 99.9% viral disinfection range of up to 32m² (344ft²) and a radius \leq 4m (13ft) within 60 minutes².

KEY FEATURES + SAFETY

Safety Features: Allows you to set the time, walk away and come back when the disinfection is done.

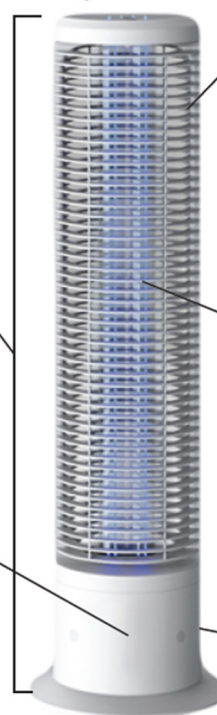
Dimensions: Stands 51cm (20 in) tall and weighs 1.6kg (3.6lbs) – Powerful & portable.

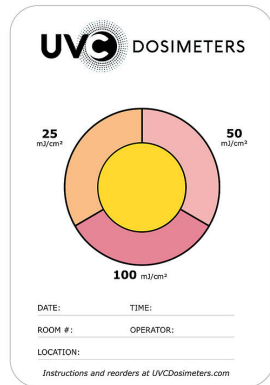
Safety Feature: Motion Detection sensor will sense movement up to 5m (16ft) away and turn off if triggered. Turns back on after 10s.

Safety Features: Enclosed dual UV-C bulbs. They can't be touched, protected from breaking, and the light still emits evenly through the room.

Powerful Dual Germicidal UV-C bulbs: 99.9% viral disinfection range of up to 32m² (344ft²) and a radius \leq 4m (13ft) within 60 minutes.²

110V wall socket plugin

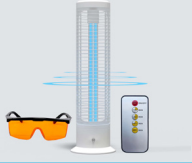





BENEFITS

- Efficient Cleaning of Entire Rooms And Large Spaces:** 99.9% viral disinfection coverage for up to 32m² (344ft²) and a radius ≤ 4m (13ft) with the 60minute timer setting² + Has been tested to successfully kill a human coronavirus^{2,3}
- Portability:** 67cm (26in) tall and only weighs 1.6kg (3.6lbs)
- Designed With Safety In Mind:** Automatic 10-second turn on timer, automatic shut off timers and 5m (16ft) automatic shut off motion detection
- Give Confidence To Customers and Family:** Paired with Plymouth Medical's dosimeters, complete disinfection of rooms can be confirmed

COMPARISON

	 WITHOUT OZONE	 WITH OZONE
Scope of Application	Home Use, Office/Business	Home Use, Office/Business
Voltage	110V	110V
Wattage	60W	60W
Output Wattage	170-180µW/cm ²	170-180µW/cm ²
Plug	1.2m (4ft)	1.2m (4ft)
Size	51x18x18cm (20x7x7in)	51x18x18cm (20x7x7in)
Weight	1.6kg (3.6lbs)	1.6kg (3.6lbs)
Wavelength	253.7nm	253.7nm and 180nm
Light Bulb Type	Doped fused quartz	Clear fused quartz
UV-C Disinfection	Yes	Yes
Ozone Purification	No	Yes
Viral Log Reduction	3.2 (99.9% viral disinfection) ²	3.2 (99.9% viral disinfection) ²
Effective Viral Disinfection Range	Up to 32m ² (344ft ²) and a radius ≤4m (13ft) ²	Up to 32m ² (344ft ²) and a radius ≤4m (13ft) ²
Timer Setting	15/30/45/60min	15/30/45/60min
Accessories included	1x Remote, 1x Pair of Goggles	No Remote, 1x Pair of Goggles
Warranty	1 year	1 year

References

- F. Javier García de Abajo, Rufino Javier Hernández, Ido Kaminer, Andreas Meyerhans, Joan Rosell-Llompart, and Tilman Sanchez-Elsner. "Back to Normal: An Old Physics Route to Reduce SARS-CoV-2 Transmission in Indoor Spaces." ACS Nano 2020 14 (7), 7704-7713
- The Apollo Smart UV-C Disinfection Lamp: Human Coronavirus Reduction Efficacy Testing Results (07/272020)
- Signify. "Signify and Boston University Validate Effectiveness of Signify's UV-C Light Sources On Inactivating the Virus that Causes COVID-19." Signify. Press Release, 2020