



Stellar UV Disinfection Tower

Objective: To reduce the risk of COVID -19 through building a UV lamp tower for area sanitization.

Detail of the UV Tower:

Radius to be covered by the Tower - 3 meters,

Time duration: 30 minutes

Lamp Wattage – 63 Watts

Number of lamps - 8

Description and working of UV system:

UV rays have been proven to reduce the risk of bacteria and viruses in the air, water & surface.

Specifically, UV rays with 253.7nm are known to destroy bacteria & viruses (including the Corona Virus).

The Stellar UV Disinfection Tower is designed based on the guidelines issued by the WHO.

The Stellar UV Disinfection Tower for area disinfection delivers a dosage of 22.6 millijoules/sq.cm. in 30 minutes which is enough to kill over 90% of all microbes, bacteria & viruses

Disclaimer:

1. D90 (90%) UV dosage for COVID 19 on surface – 226J/sq. M - 22.6 millijoule/sq.cm. (Ref Kowalski report pg.19)

2. Our system is designed to ensure minimal shadows/ black areas. There however may be certain areas at the bottom of the trolley which may not get covered based on how it is pushed through the area.

3. Human interference from the UV Tower should not be in the radius of 3 meters around the tunnel while it is in operation. The personnel pushing trolleys through should wear full sleeve clothes, hand gloves and goggles to safeguard themselves from UV radiation. Prolonged exposure (3 minutes or more) to UV light is harmful.



Samay Bahulikar
+91 90047 61747
Samay@millennium.in
Deepak Dhingra
+91 85860 94747
Deepakd@millennium.in

Visit us at <https://millennium.in/manufacturing.php>
for more information on our UV products