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APPLICATION DATA SHEET
Victory Agile UVC LED Light for Decontaminating Equipment in a Container

UVC Application Guide: Decontaminating Equipment in a Container

Description of Application

Prior to using this application sheet, understand more about UVC light and the Victory Agile UVC Light at *LindEquipment.net/uvc-led-system*

On construction sites and industrial worksites, there is a desire to decontaminate worker equipment such as helmets, clothing, and shared tools and equipment. Often, work sites will have a spare sea container that can be quickly retrofitted with UVC lighting to decontaminate equipment placed inside. In this application, we recommend placing the lights halfway up the container (4' high for an 8' high container), and spacing them 5' apart along the length of the container. Do this on both side walls in order to get UVC light shining from multiple angles. If you have a 20' container, you would place four lights on each of the side walls for a total of eight. If your container is shorter, just place the appropriate number of lights based on the 5' spacing between them. Note that there are some areas in the corners of the container where the UVC light is not as intense. In these areas, you cannot achieve the required dose level in the time indicated, and thus equipment should not be placed there (See diagram).

How to Read Layout Diagrams

These layouts are designed to show the UVC light (light blue color) coming from the Victory Agile UVC light at a 60° beam angle. In the chart to the left, verify your application (eg. Kill 99.99% of SARS-CoV-2) and match that application color (eg. navy blue) to the number shown inside the light blue field (eg. navy blue duration color). That number is the duration that the light should be energized to provide the required dose for the application. To understand the science, please visit ***LindEquipment.net/uvc-led-system-science***.

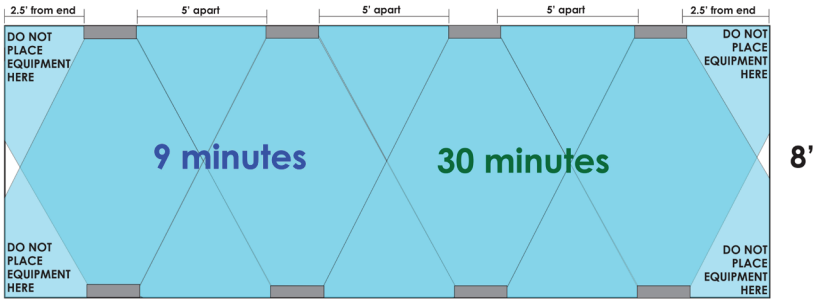
Do Not Place Equipment Here
The UVC intensity in this area is lower and would take much longer to decontaminate anything in this area than the rest of the layout

UV-C Dose Required

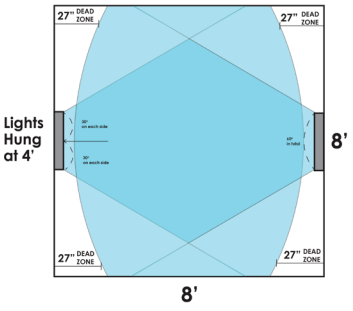
Application	Dose
Lind's Proven Dose Required to Kill >99.99% of SARS-CoV-2	10mJ/cm2
Broader Group of Viruses and Bacteria	50mJ/cm2

To see the science behind these dose levels, please go to www.lindequipment.net/uvc-led-system-science

Top View of 20' W x 8' H Container



End View of 8' W x 8' H Container



Important Layout Notes

This layout can be achieved in several ways:

- This application layout uses two lights, each with the part number LE6725UVC-1P5C (1 x 50W Victory Agile light with a 1' cord and plug, and a 5' cord with connector).
  - Different lengths of cord can be put on the lights, just contact us.

The caveat to take into account with this layout is that UVC light requires line of sight to work effectively in the timeframes that we describe above. That means if there is any equipment or furniture in the path of the lights, they may cause shadowing that will decrease the UVC dose given in those shadowed areas. Determine whether those shadowed areas need decontamination and, if so, add another light to cover that area or move the lights around and add additional decontamination time. A single light could be used instead of two lights if a longer decontamination time is possible.

Contact us if you need help with your application.