

# Sanidyne®

GERMICIDAL ULTRAVIOLET PORTABLE AREA SANITIZERS



**PRIME**  **REMOTE**  
*4 Lamps*  
*71 UV Watts*



*8 Lamps*  
*143 UV Watts*



**PLUS**   
*312 UV Watts*



**ATLANTIC ULTRAVIOLET**  
CORPORATION® SINCE 1963

## ABOUT US

Since 1963, Atlantic Ultraviolet Corporation® has pioneered the discovery and development of beneficial uses of ultraviolet energy. Over the years these efforts have led to the



development of valuable, cost effective and environmentally sound techniques and products now known and respected throughout the world.

The UV Application Specialists at Atlantic Ultraviolet Corporation® assist customers in the selection of germicidal lamps and equipment. Their specialized knowledge is a valuable resource in formulating effective and cost-conscious ultraviolet solutions.

Extensive inventories and a dedicated staff enable Atlantic Ultraviolet Corporation® to fulfill its commitment to provide fast deliveries and responsive customer service.



4 Lamps



8 Lamps

PRIME  REMOTE



PLUS 

## GERMICIDAL ULTRAVIOLET

Germicidal Ultraviolet is a unique and rapid method of disinfection. It utilizes germicidal ultraviolet lamps producing ultraviolet wavelengths at 254 nanometers (nm)—a level that is lethal to bacteria, viruses, and other microorganisms.

An ever growing range of industries and consumer applications have found ultraviolet to be the ideal solution for their air and surface treatment needs.

Atlantic Ultraviolet Corporation® equipment and systems are manufactured in the USA.

## ADVANTAGES

### **Efficient**

High efficiency **Surelite™**  
Electronic Ballasts power up  
**Sanidyne®** Germicidal Ultraviolet  
Portable Area Sanitizers.

### **Straightforward**

Simple use and maintenance.

### **Fast**

A room as large as 1,000 square feet can be disinfected in under 15 minutes. (Refer to charts on page 11 for specific dosage times.)

### **Effective**

Disinfects both air and exposed surfaces utilizing germicidal ultraviolet (UV-C) wavelength lamps.

### **Durable**

Polished Stainless Steel.

### **Portable**

Fixture is easily transported from one area to another.

### **Safe**

All models have occupancy sensors to prevent encroachment incidences.

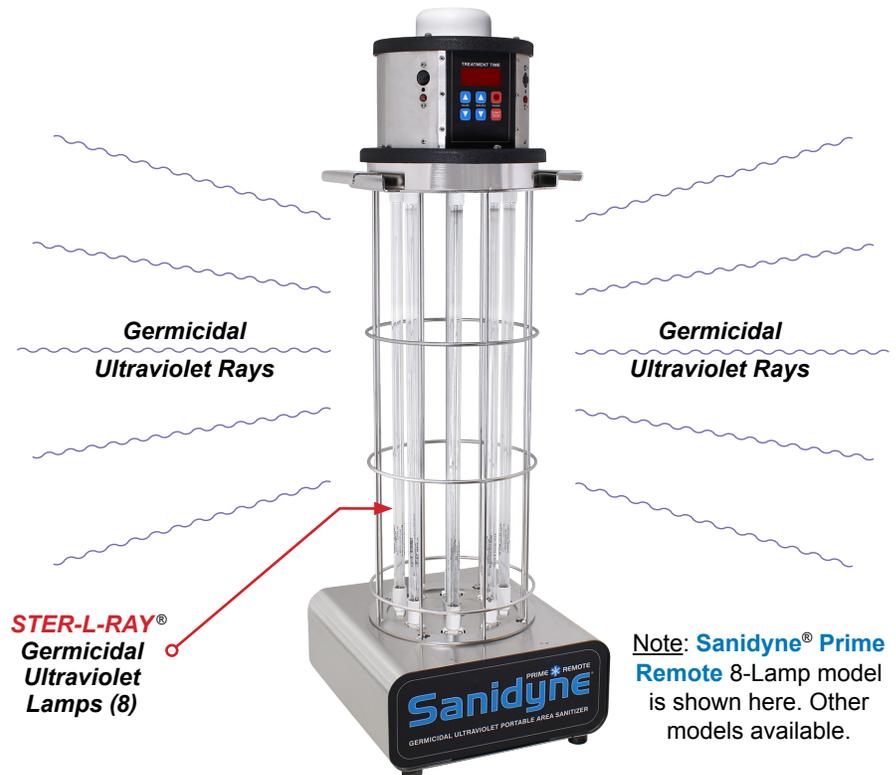
### **Easy to Use**

Fixtures are controlled via electronic keypad.

## PRINCIPLE OF OPERATION

The **Sanidyne®** Germicidal Ultraviolet Portable Area Sanitizers have been carefully conceived to provide germicidal UV disinfection for purifying air and exposed surfaces in **unoccupied** areas. High levels of germicidal ultraviolet wavelengths are lethal to infectious microorganisms such as bacteria, mold, and viruses.

The ultraviolet disinfection dosage is a function of time and intensity of the germicidal UV rays to which the air and surrounding surfaces are exposed. Our UV Application Specialists would be happy to perform the necessary calculation to ensure the sanitizer we provide is appropriate for your particular application.



The operation of the **Sanidyne®** is as follows:

1. Clear room of all occupants (**Sanidyne®** can only be used in **unoccupied** areas). Affix warning signs (included) onto all doors of the room that is to receive the **Sanidyne®** disinfection.
2. Treatment time is set, start button engaged, built-in 1 minute, 30 second delay allows time for operator to leave area.
3. Germicidal ultraviolet rays are projected within the **unoccupied** area for the programmed period of time.
4. The air and exposed surfaces within the room are disinfected. Infectious microorganisms such as bacteria, mold, and viruses are inactivated.
5. The **Sanidyne®** treatment cycle ends. Its compact size and lightweight design allows it to be easily moved to the next location that needs disinfection.

## SPECIAL FEATURES

# Sanidyne® Prime Remote Germicidal Ultraviolet Portable Area Sanitizer

### WiFi Dome

### Occupancy Sensors (4)

### Lamp Guard

Stainless steel cage that protects **STER-L-RAY**® lamps.

### STER-L-RAY® High Output Germicidal Ultraviolet Lamps

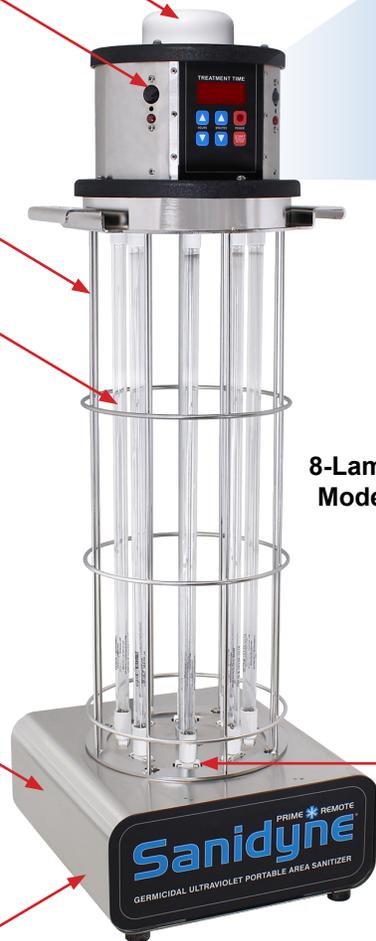
Specially designed high output lamps provide the utmost in quality, sustained output, and longevity (see page 9 for information). **ArmorLite**™ Safety Shield is a protective envelope applied to the germicidal lamps. It provides increased security by eliminating the dangers associated with broken lamps.

### Surelite™ Ballasts

State-of-the-art electronic ballasts specifically developed for the operation of ultraviolet lamps. Versatile, programmed start ballasts provide high lamp output; are lightweight, efficient, and operate cool for longer life.

### Stainless Steel Construction

Manufactured in Type 304 stainless steel for unparalleled strength, durability and an attractive finish.



8-Lamp Model

### Keypad Controller



### 24-Hour Interval Timer

Easy programmable timer, allows treatment time to be customized to room size.

### 1-Minute and 30-Second Audible Exit Warning

After start button is engaged, an audible warning sounds for 1 minute and 30 seconds, allowing operator time to leave the area before disinfection cycle begins and ultraviolet lamps are switched on.

### Steadfast™ Bayonet Socket Mount Lampholders

Bayonet Socket Mount four-pin lampholders fasten each lamp securely while providing convenient, "quick and easy" lamp change.

# SPECIAL FEATURES

## Promate™ Elapsed Time Indicator

Real-time, non-resettable display of accumulated operating hours.



## Power Switch

## Cord Wrap

Convenient cord storage when Sanidyne® Prime Remote is not in use.



## Remote Screen (8 Lamps)

Control your Sanidyne® Prime Remote from a distance by using the convenient controller.

4-Lamp Model



## Transport Handles

Provide substantial grip when moving Sanidyne® Prime Remote.

8-Lamp Model



# SPECIFICATIONS—Sanidyne® Prime ✱ Remote Germicidal Ultraviolet Portable Area Sanitizer

Model	Amps	Hertz	Power Consumption ①	Maximum Treatment Time	Lamp (Quantity)	Total UV Output ②	Weight (lbs)	Dimensions (Inches)			Rated Lamp Life
								Length	Width	Height	
4-Lamp 120v	2.25	50/60	230 Watts	24 Hours	05-0892 (4)	71 Watts	26	13-15/16"	12-1/8"	36-7/8"	13,000 Hours
8-Lamp 120v	4.5	50/60	550 Watts	24 Hours	05-0892 (8)	143 Watts	31	13-15/16"	12-1/8"	36-7/8"	13,000 Hours
8-Lamp 220v	2.5	50/60	550 Watts	24 Hours	05-0892 (8)	143 Watts	31	13-15/16"	12-1/8"	36-7/8"	13,000 Hours

① Total power consumption including ballast loss.

② Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).

## SPECIAL FEATURES

# Sanidyne® Plus+ Germicidal Ultraviolet Portable Area Sanitizer

WiFi Dome ○

Occupancy Sensors (4) ○

**STER-L-RAY® High Output Germicidal Ultraviolet Lamps** ○

Specially designed high output lamps provide the utmost in quality, sustained output, and longevity (see page 9 for information). **ArmorLite™** Safety Shield is a protective envelope applied to the germicidal lamps. It provides increased security by eliminating the dangers associated with broken lamps.

**Stainless Steel Construction** ○

Manufactured in Type 304 stainless steel for unparalleled strength, durability, and an attractive finish.

**Lamp Guard** ○

Stainless steel cage that protects **STER-L-RAY®** lamps.

**Surelite™ Ballasts** ○

State-of-the-art electronic ballasts specifically developed for the operation of ultraviolet lamps. Versatile, programmed start ballasts provide high lamp output; are lightweight, efficient, and operate cool for longer life.



Keypad Controller



○ **24-Hour Interval Timer**

Easy programmable timer, allows treatment time to be customized to room size.

○ **1-Minute and 30-Second Audible Exit Warning**

After start button is engaged, an audible warning sounds for 1 minute and 30 seconds, allowing operator time to leave the area before disinfection cycle begins and ultraviolet lamps are switched on.

○ **Transport Handle**

Provides substantial grip when moving **Sanidyne® Plus**.

○ **Steadfast™ Bipin Telescopic Lampholders**

Lampholders fasten each lamp securely while providing convenient "quick and easy" lamp change.

# SPECIAL FEATURES

## Promate™ Elapsed Time Indicator

Real-time, non-resettable display of accumulated operating hours.

## Power Switch



## Swivel Casters with Locking Function

Enables Sanidyne® Plus to be easily moved from one location to another.

## Cord Wrap

Convenient cord storage when Sanidyne® Plus is not in use.



## Remote Screen

Control your Sanidyne® Plus from a distance by using the convenient controller.



# SPECIFICATIONS—Sanidyne® Plus + Germicidal Ultraviolet Portable Area Sanitizer

Model	Amps	Hertz	Power Consumption ①	Maximum Treatment Time	Lamp (Quantity)	Total UV Output ②	Weight (lbs)	Dimensions (Inches)			Rated Lamp Life
								Length	Width	Height	
120v	10	50/60	1200 Watts	24 Hours	05-0893 (8)	312 Watts	76	21-3/4"	20"	68-1/2"	13,000 Hours
230v	5	50/60	1200 Watts	24 Hours	05-0893 (8)	312 Watts	76	21-3/4"	20"	68-1/2"	13,000 Hours

① Total power consumption including ballast loss.

② Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).

## OPTIONAL ACCESSORIES



### Promate™ Face Shield

Lightweight visor with adjustable headgear provides eye and face protection from germicidal ultraviolet rays. Two (2) face shields are supplied with each model.



### Promate™ Safety Glasses

Safety eyewear **MUST** be used as general-purpose safety protection and for additional shielding from germicidal UV rays.



### Promate™ Danger Signs

To be affixed to entry door(s) to warn that an ultraviolet sanitizer is in use and that the treatment area **MUST** not be entered. **Sanidyne**® is for use only in **unoccupied** areas. Four (4) signs are supplied with each model. **NOTE:** Danger Signs have English on one side and Spanish on the other.

## DOSIMETERS

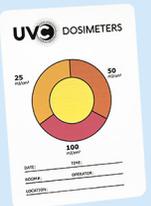
### Assure™ UV-C Dosimeter

A portable, full-featured instrument that provides highly-accurate UV-C measurements in mJ/cm<sup>2</sup>. Sits upright, on back or side, and can be placed in supplied wall holder. Uses 1 AAA battery.



### UV-C Dosimeter Card

Contains a patented colorimetric indicator that changes color at 25, 50, and 100 mJ/cm<sup>2</sup> to visibly confirm that your **Sanidyne**® is achieving the desired UV-C exposure. One (1) card is included with the purchase of each **Sanidyne**®. Each card is designed for 1 treatment cycle and **CANNOT** be reused.



### Personal UV-C Exposure Indicators

These indicators change color to reveal the word "STOP" if personnel are exposed to an accumulated dose of 6 mJ/cm<sup>2</sup> of UV-C irradiation. Adhesive backing sticks to clothing. Available in packs of 10. Designed for single, daily use and **CANNOT** be reused.



# GENUINE **STER-L-RAY**® GERMICIDAL ULTRAVIOLET LAMPS



**STER-L-RAY**®  
High Output Germicidal Ultraviolet  
Lamp with ArmorLite™ Safety Shield,  
used in **Sanidyne**® Prime Remote  
4-Lamp & 8-Lamp Models



**STER-L-RAY**®  
High Output Germicidal Ultraviolet  
Lamp with ArmorLite™ Safety  
Shield, used in **Sanidyne**® Plus

**STER-L-RAY**® Germicidal Ultraviolet Lamps are shortwave, low-pressure tubes that produce ultraviolet wavelengths lethal to microorganisms. Approximately 95% of the ultraviolet energy emitted from **STER-L-RAY**® germicidal lamps is at 254 nanometers, the region of germicidal effectiveness most destructive to bacteria, mold and virus.

**STER-L-RAY**® High Output (HO) Germicidal UV Lamps are similar in size and shape to conventional germicidal UV lamps but are capable of operating at higher UV output. The HO lamps yield more UV watts than standard UV-C lamps of the same length.

**ArmorLite**™ protective coating is applied to **STER-L-RAY**® Germicidal Ultraviolet Lamps in all **Sanidyne**® models, ensuring protection for employees, products, and work environments by eliminating the dangers associated with broken lamps.

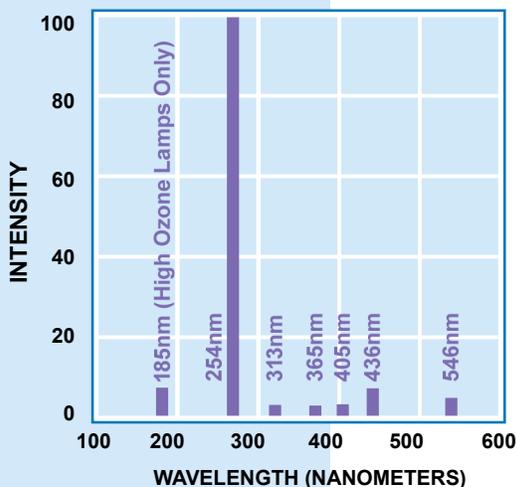
**STER-L-RAY**®, **ArmorLite**™, **Sanidyne**® Prime Remote, **Sanidyne**® Plus, and their appropriate logos are trademarks of Atlantic Ultraviolet Corporation®.

**CAUTION:** Exposure to direct or reflected germicidal ultraviolet rays will cause painful eye irritation and reddening of the skin. Personnel subject to such exposure must wear suitable face shield, gloves and protective clothing.

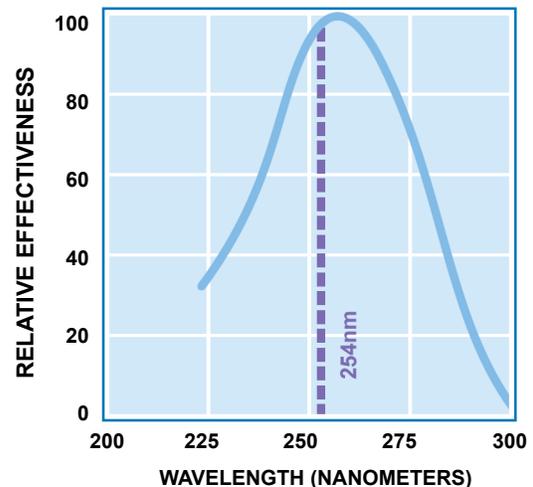
Hg - LAMP CONTAINS MERCURY, manage in accord with disposal laws, see: [LampRecycle.org](http://LampRecycle.org).

## OPERATING CHARACTERISTICS

Relative Spectral Energy  
Distribution (Typical)



Germicidal Effectiveness  
As Related to Wavelength



## APPLICATIONS

- Laboratories
- Clean Rooms
- Businesses and Offices
- Gymnasiums
- Theaters/Auditoriums
- Classrooms and Dorms
- Doctor's Offices
- Hospitals
- Patient Rooms
- Burn Centers
- Operating Rooms
- Intensive Care Units (ICUs)
- Tuberculosis (TB) Clinics
- Ambulances
- Morgues
- Methadone Clinics
- Homeless Shelters
- Detention Centers
- Kennels
- Mobile Dog Grooming
- Dairy Plants
- Locker Rooms
- Hotels
- Fire Houses
- Jails/Prisons
- Any areas where permanently mounted fixtures are not an option

**⚠ DANGER** Access to the room **MUST** be avoided when **Sanidyne®** is in operation. Place **Promate™ Danger Signs** at all entrances (see Optional Accessories on Page 8).

## GERMICIDAL ULTRAVIOLET DOSAGE

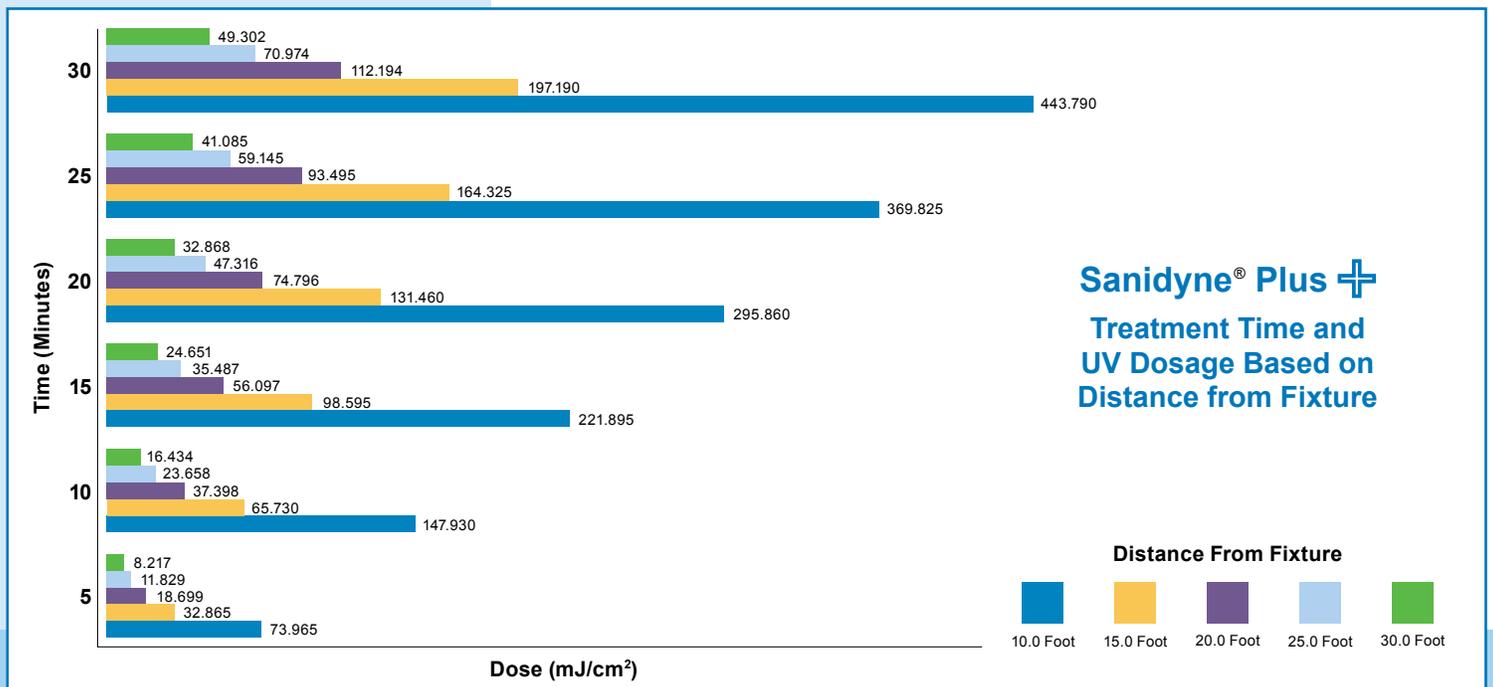
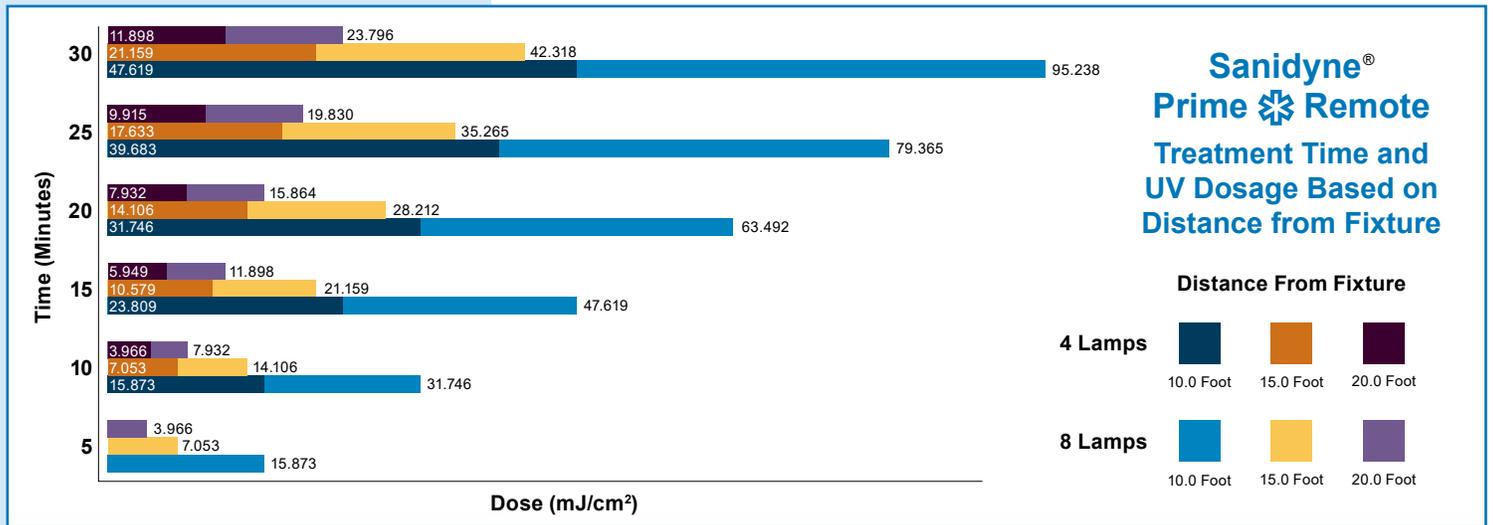
Germicidal ultraviolet lamps provide effective protection against microorganisms. A small cross-section is shown below.

ORGANISM	ALTERNATE NAME	TYPE	DISEASE	DOSE*
<i>Corynebacterium diphtheriae</i>	<i>C. diphtheriae</i>	Bacterium	Diphtheria	6.50
<i>Legionella pneumophila</i>	<i>L. pneumophila</i>	Bacterium	Legionnaire's Disease	12.30
<i>Mycobacterium tuberculosis</i>	<i>M. tuberculosis</i>	Bacterium	Tuberculosis (TB)	10.0
<i>Pseudomonas aeruginosa</i>	<i>P. aeruginosa</i>	Bacterium		3.90
<i>Serratia marcescens</i>	<i>S. marcescens</i>	Bacterium		6.160
<i>Staphylococcus aureus</i>	<i>S. aureus</i>	Bacterium		6.60
<i>Staphylococcus epidermidis</i>	<i>S. epidermidis</i>	Bacterium		5.80
<i>Methicillin-resistant Staphylococcus aureus</i>	<i>MRSA</i>	Bacterium		6.50
<i>Clostridium difficile</i>	<i>C. diff</i>	Spore	Colitis	16.0
<i>Adenovirus Type 3</i>		Virus		4.50
<i>Coxsackie A2</i>		Virus	Hand, Foot, and Mouth Disease, Conjunctivitis, Meningitis	6.30
<i>Influenza</i>		Virus	Flu	6.60
<i>SARS-CoV-2</i>		Virus	COVID-19	5.0

\* Nominal Ultraviolet dosage (mJ/cm<sup>2</sup>) necessary to inactivate better than 99% of specific microorganism. Consult factory for more complete listing.

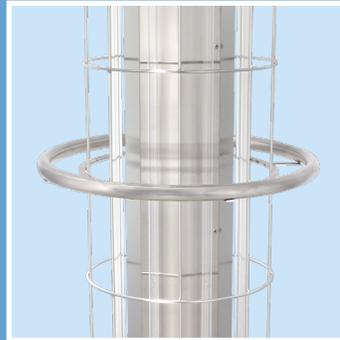
# DETERMINING TREATMENT TIME FOR ROOM SIZES

1. The fixture should be located in the approximate center of the room and target surfaces must be directly exposed to the ultraviolet rays. It is important to remove items from direct line of sight that would block or shield UV rays from striking target surfaces. Depending on the configuration of the space, and what specific disinfection you are looking to achieve, it may be advisable to operate the **Sanidyne®** on each side of large fixed objects (like a bed, or table, etc).
2. Measure the longest distance from the **Sanidyne®** to the farthest wall. Use this length to compare to the Distance From Fixtures / Time (Minutes) shown in charts below.
3. For example, if the distance from your fixture measures 15 feet, find the 15 foot mark on the bar chart for each time range. As the treatment time increase, dose increases. (**NOTE:** The number at the end of each bar is the expected dose for each time increment in millijoules per square centimeter.)
4. If a greater dose is required, increase treatment time.



Note: Dose shown above is expressed as mJ/cm<sup>2</sup> (millijoule per square centimeter).

**GERMICIDAL ULTRAVIOLET EQUIPMENT & LAMPS**  
MANUFACTURERS / ENGINEERS / SALES / SERVICE



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