Sanidyne®

GERMICIDAL ULTRAVIOLET PORTABLE AREA SANITIZERS
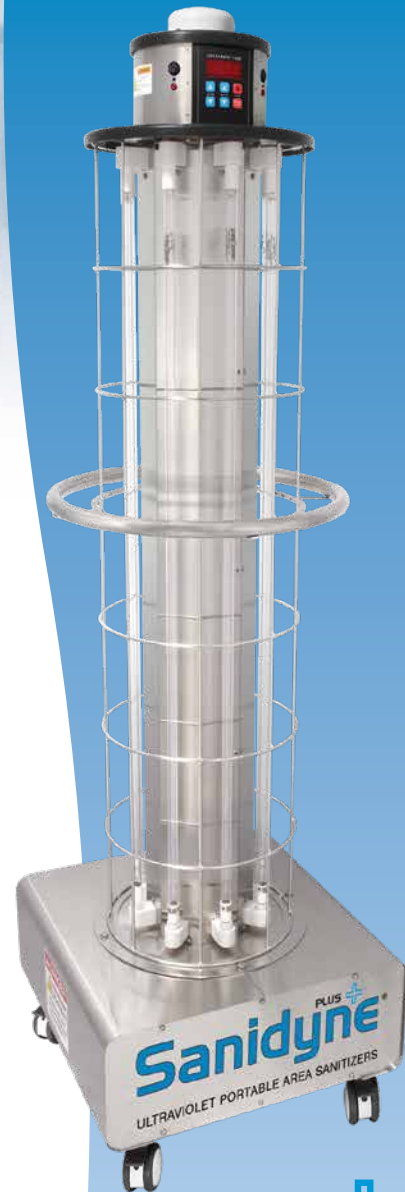
PRIME ✳ REMOTE

4 Lamps
71 UV Watts

8 Lamps
143 UV Watts

PLUS ✚

312 UV Watts

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ATLANTIC ULTRAVIOLET CORPORATION®

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.

Since 1963, we've been engineering and manufacturing germicidal ultraviolet equipment to prevent disease caused by contaminants in water, in air, and on surfaces. Our engineers bring each concept to a finished model, implementing stringent quality control procedures. Each product is manufactured with stainless steel and the highest quality materials to ensure the safety of personnel and room occupants. We stock an extensive inventory in our 37,500 square foot facility and ship throughout the world. Our knowledgeable team of UV-C specialists will provide effective and cost-conscious solutions for your home, business, industry, or institution.

4 Lamps   *8 Lamps*

PRIME ✳ REMOTE

PLUS ✚

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MADE IN THE USA FROM U.S. & IMPORTED PARTS

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

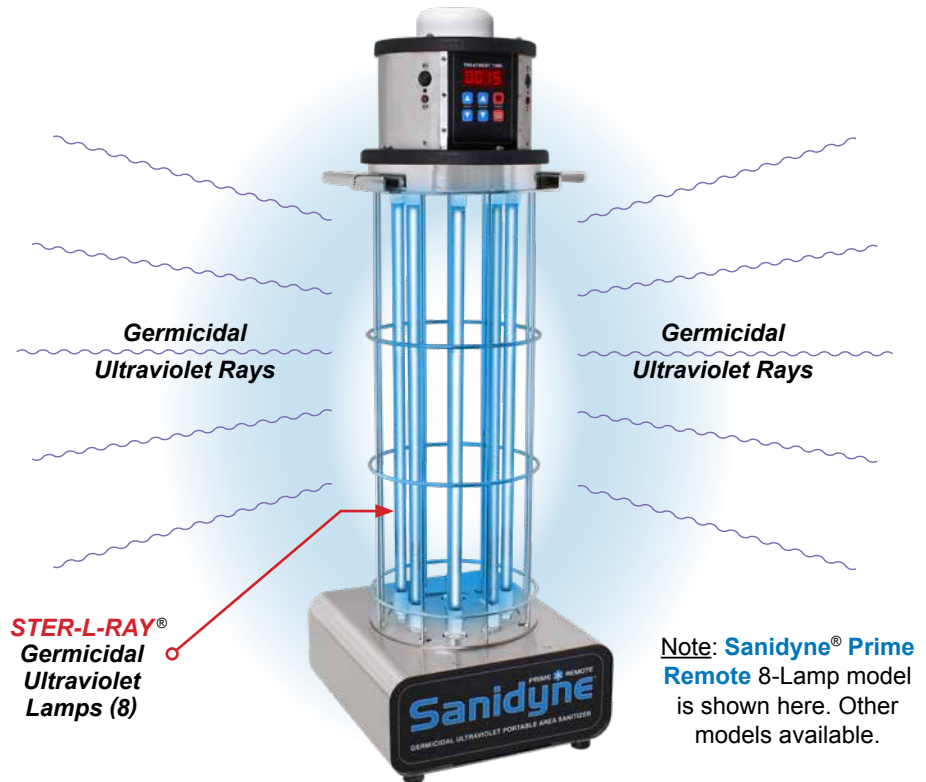Fixture is easily transported from one area to another.

Safe

All models have occupancy sensors to prevent encroachment incidences.

Easy to Use

Fixtures are controlled via electronic keypad.

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 UV-C dose provided to air and surfaces is a function of UV exposure time and the intensity of the lamps. Our UV Application Specialists would be happy to perform the necessary calculation to ensure the sanitizer we provide is appropriate for your particular application.

Germicidal Ultraviolet Rays

Germicidal Ultraviolet Rays

STER-L-RAY® *Germicidal Ultraviolet Lamps (8)*

Note: **Sanidyne**® **Prime Remote** 8-Lamp model is shown here. Other models available.

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.

Call: (631) 273-0500 • **Email:** Sales@AtlanticUV.com • **Shop:** AtlanticUltraviolet.com • **Learn More:** Ultraviolet.com

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Sanidyne® Prime ❄ Remote Germicidal Ultraviolet Portable Area Sanitizer

Keypad Controller

WiFi Dome

Occupancy Sensors (4)

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

TREATMENT TIME
23:59
HOURS   MINUTES   POWER
START/STOP

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.

8-Lamp Model

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.

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.

Sanidyne
PRIME ❄ REMOTE
GERMICIDAL ULTRAVIOLET PORTABLE AREA SANITIZER

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

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

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SPECIAL FEATURES

Promate™ Elapsed Time Indicator

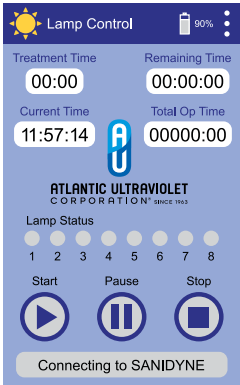Real-time, non-resettable display of accumulated operating hours.

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).

Sanidyne® Plus➕ Germicidal Ultraviolet Portable Area Sanitizer

Keypad Controller

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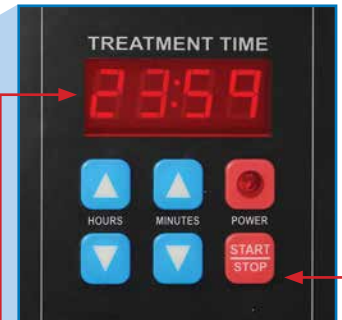
Lamp Guard
Stainless steel cage that protects *STER-L-RAY®* lamps.

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.

24-Hour Interval Timer
Easy programmable timer, allows treatment time to be customized to room size.

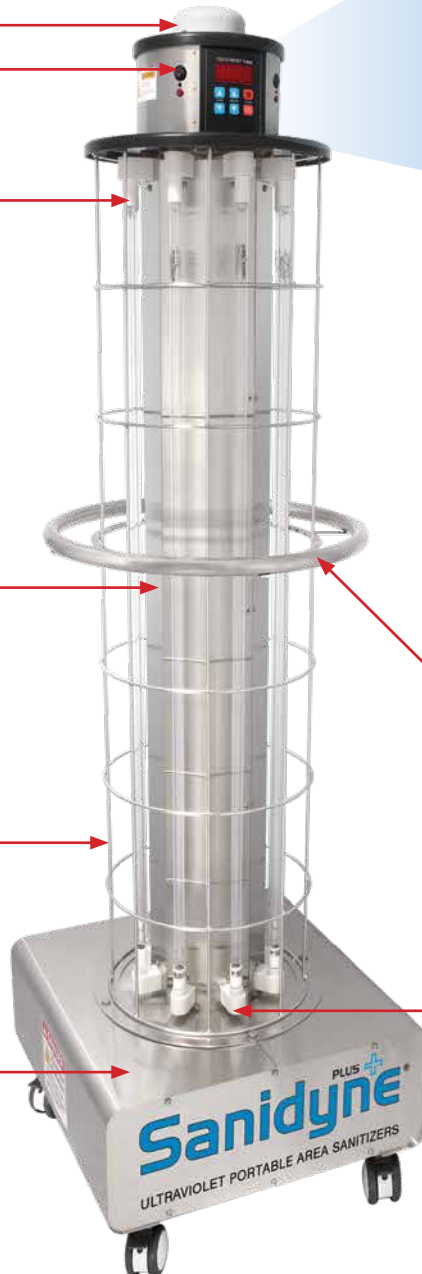### 1-Minute and 30-Second Audible Exit Warning
After start button is engaged, an audible warning sounds for 1 minute and 30 seconds, allowing operator time to leave the area before disinfection cycle begins and ultraviolet lamps are switched on.

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.

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Promate™ Elapsed Time Indicator

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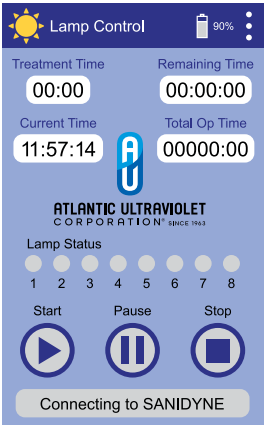
Power Switch

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).

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.
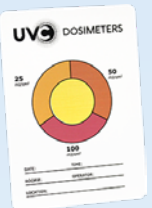
DOSIMETERS

Assure™ UV-C Dosimeter

A portable, full-featured instrument that provides highly-accurate UV-C measurements in mJ/cm^2. 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^2 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^2 of UV-C irradiation. Adhesive backing sticks to clothing. Available in packs of 10. Designed for single, daily use and **CANNOT** be reused.

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

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 viruses.

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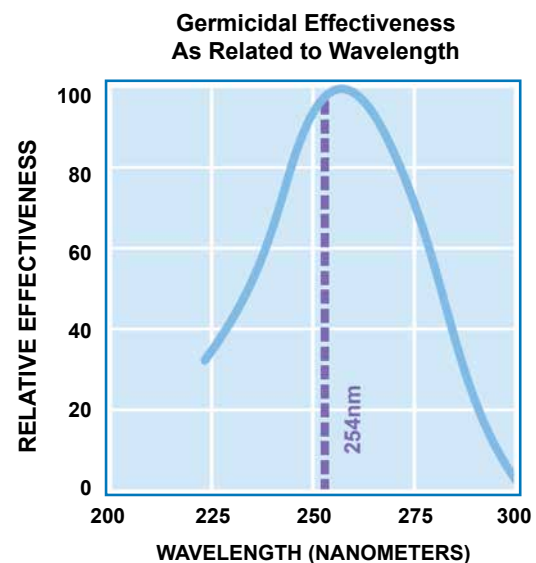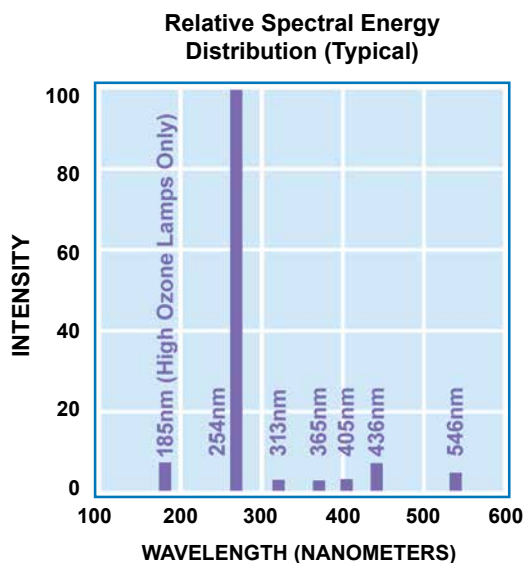
STER-L-RAY®
High Output Germicidal Ultraviolet Lamp with Armorlite™ Safety Shield, used in Sanidyne® Prime Remote 4-Lamp & 8-Lamp Models

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

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/Prisions**
- **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).

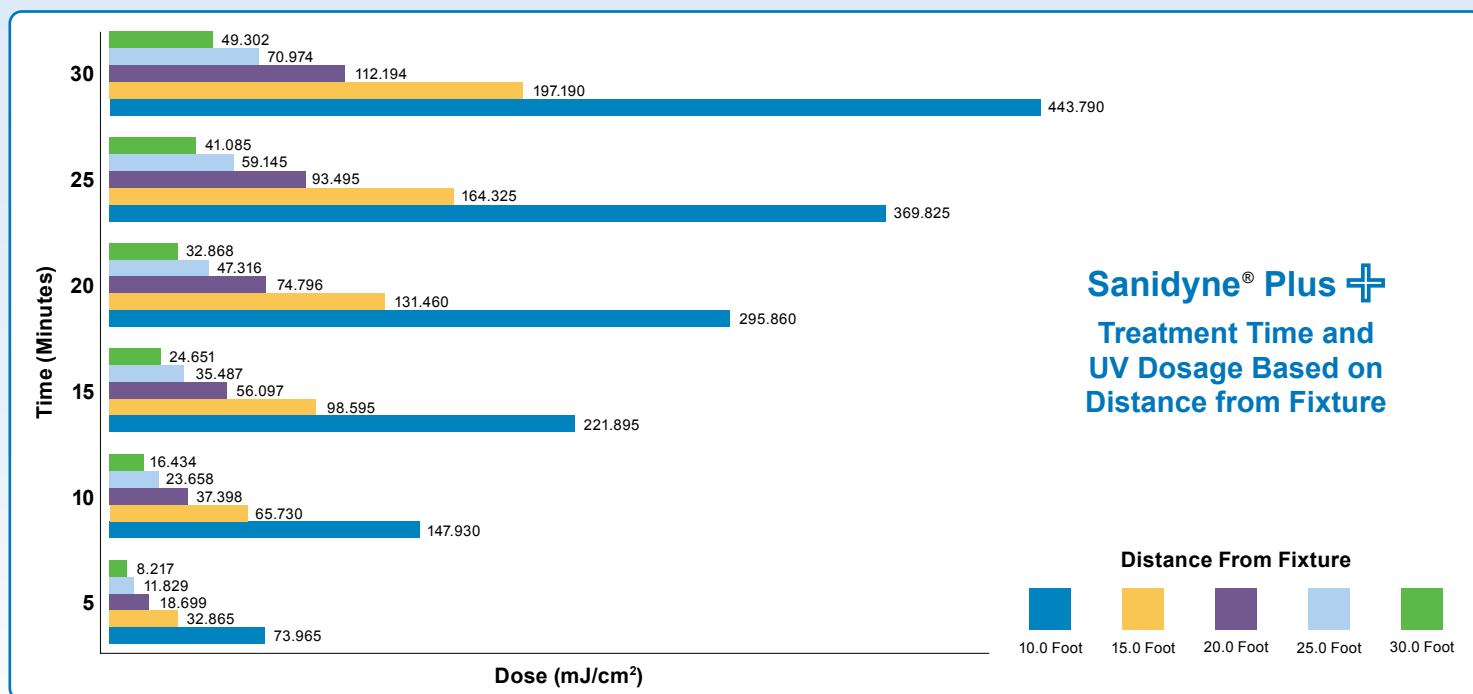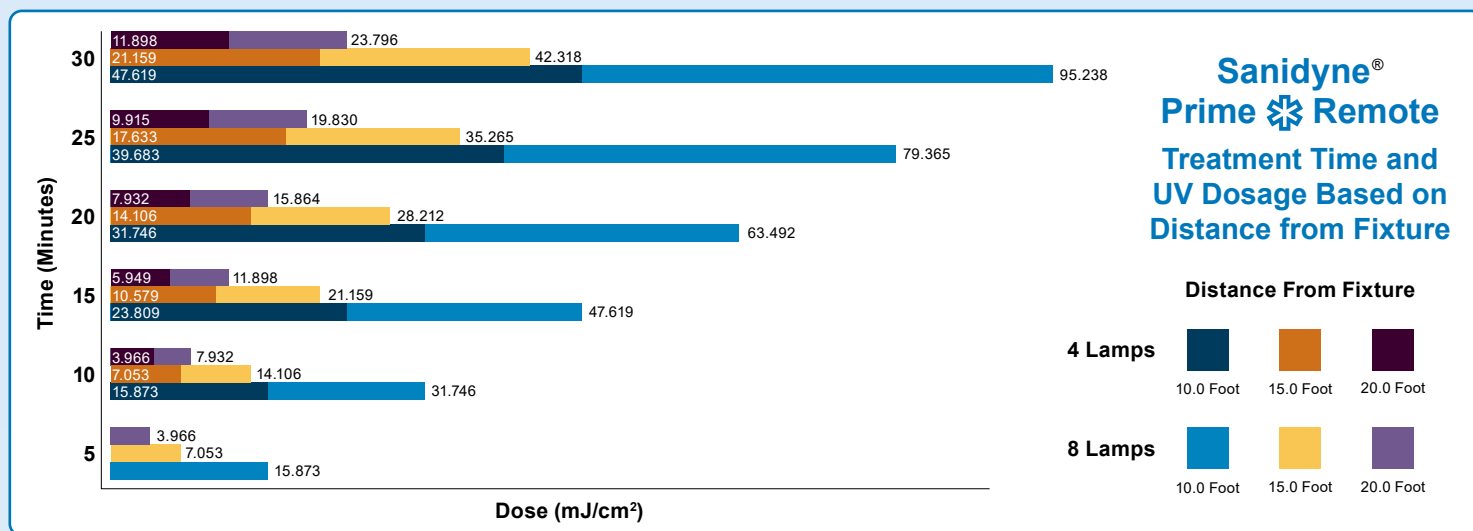## GERMICIDAL ULTRAVIOLET DOSAGE

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

ORGANISM	ALTERNATE NAME	TYPE	DISEASE	DOSE*
Corynebacterium diphtheriae	*C. diphtheriae*	Bacterium	Diphtheria	6.50
Legionella pneumophila	*L. pneumophila*	Bacterium	Legionnaire's Disease	12.30
Mycobacterium tuberculosis	*M. tuberculosis*	Bacterium	Tuberculosis (TB)	10.0
Pseudomonas aeruginosa	*P. aeruginosa*	Bacterium		3.90
Serratia marcescens	*S. marcescens*	Bacterium		6.160
Staphlylococcus aureus	*S. aureus*	Bacterium	Pneumonia, Endocarditis, Sepsis	6.60
Methicillin-resistant Staphylococcus aureus	MRSA	Bacterium	Pneumonia, Endocarditis, Sepsis	6.50
Staphlylococcus epidermidis	*S. epidermidis*	Bacterium	Endocarditis, Sepsis	5.80
Streptococcus pyogenes	Strep	Bacterium	Strep Throat	.80
Clostridium difficile	*C. diff*	Spore	Colitis	16.0
Adenovirus		Virus	Common Cold	4.50
Coxsackie A2		Virus	Hand, Foot, and Mouth Disease, Conjunctivitis, Meningitis	6.30
Influenza		Virus	Flu	1.20
SARS-CoV-2		Virus	COVID-19	5.0
Morbillivirus hominis	Measles virus, MeV	Virus	Measles, rubeola	4.40

*Nominal Ultraviolet dosage (mJ/cm^2) necessary to inactivate better than 99% of specific microorganism. Visit Ultraviolet.com/microorganisms-inactivated for complete listing.

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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.

Sanidyne® Prime ❄ Remote
Treatment Time and UV Dosage Based on Distance from Fixture

Chart: Time (Minutes) vs Dose (mJ/cm²)

Time (Minutes)	4 Lamps 10.0 Foot	4 Lamps 15.0 Foot	4 Lamps 20.0 Foot	8 Lamps 10.0 Foot	8 Lamps 15.0 Foot	8 Lamps 20.0 Foot
30	47.619	21.159	11.898	95.238	42.318	23.796
25	39.683	17.633	9.915	79.365	35.265	19.830
20	31.746	14.106	7.932	63.492	28.212	15.864
15	23.809	10.579	5.949	47.619	21.159	11.898
10	15.873	7.053	3.966	31.746	14.106	7.932
5	7.053		3.966	15.873		

Distance From Fixture

4 Lamps: 10.0 Foot, 15.0 Foot, 20.0 Foot
8 Lamps: 10.0 Foot, 15.0 Foot, 20.0 Foot

Sanidyne® Plus ✚
Treatment Time and UV Dosage Based on Distance from Fixture

Chart: Time (Minutes) vs Dose (mJ/cm²)

Time (Minutes)	10.0 Foot	15.0 Foot	20.0 Foot	25.0 Foot	30.0 Foot
30	443.790	197.190	112.194	70.974	49.302
25	369.825	164.325	93.495	59.145	41.085
20	295.860	131.460	74.796	47.316	32.868
15	221.895	98.595	56.097	35.487	24.651
10	147.930	65.730	37.398	23.658	16.434
5	73.965	32.865	18.699	11.829	8.217

Distance From Fixture

10.0 Foot, 15.0 Foot, 20.0 Foot, 25.0 Foot, 30.0 Foot

Note: Dose shown above is expressed as mJ/cm² (millijoule per square centimeter).

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ATLANTIC ULTRAVIOLET CORPORATION®

1963–2023
60 YEARS

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Hauppauge, NY 11788

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