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.

Ultraviolet is a unique and rapid method of disinfection. It utilizes germicidal ultraviolet lamps producing short-wave radiation at 254 nanometers (nm)—a wavelength highly lethal to bacteria, virus, 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® Ultraviolet Portable Area Sanitizers.

**Straightforward**
Simple use and maintenance.

**Fast**
A room as large as 1,000 square feet can be treated in 15 minutes. (Larger spaces require more time, see charts on page 14–15.)

**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**
Sanidyne® Prime Remote, Sanidyne® Plus, and Sanidyne® Premium have occupancy sensors to prevent encroachment incidences.

**Easy to Use**
Fixtures are controlled via electronic keypad.

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PRINCIPLE OF OPERATION

The Sanidyne® Ultraviolet Portable Area Sanitizers have been carefully conceived to provide germicidal UV disinfection for purifying air and exposed surfaces in an unoccupied area by means of 8 germicidal ultraviolet lamps. These special lamps generate high levels of germicidal ultraviolet radiation lethal to infectious microorganisms such as bacteria, mold, and virus.

The ultraviolet disinfection dosage is a function of time and intensity 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. 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. The infectious microorganisms such as bacteria, mold, and virus 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.
Sanidyne® Prime Ultraviolet Portable Area Sanitizer

**STER-L-RAY® High Output Germicidal Ultraviolet Lamps**
Specially designed high output lamps provide the utmost in quality, sustained output, and longevity (see page 12 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.

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

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

**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.

**Promate™ Warning Signs (2)**
To be affixed to entry door(s) to warn that an ultraviolet sanitizer is in use and that the treatment area should not be entered. **Sanidyne® Prime** is for use only in **unoccupied** areas.

**Observation Ports (4)**
Located on top of the **Sanidyne® Prime**, these ports allow inspection of the lamps with storage cover on, without the risk of ultraviolet exposure.

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

**Promate™ Face Shield**
(not shown, 1 supplied with this model) Lightweight visor with adjustable headgear provides eye and face protection from germicidal UV rays.

**Promate™ Safety Glasses**
(optional) Safety eyewear should be used as general-purpose safety protection and for additional shielding from germicidal UV rays.

**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.
SPECIAL FEATURES

- **Promate™ Elapsed Time Indicator**
  Real-time, non-resettable display of accumulated operating hours.

- **Cord Wrap**
  Convenient cord storage when Sanidyne® Prime is not in use.

- **Power Switch**

- **Transport Handle**
  Provides substantial grip when moving Sanidyne® Prime.

- **Removable Rigid Storage Cover**
  Made of polished stainless steel to protect the STER-L-RAY® Germicidal Ultraviolet Lamps from breakage while transporting and/or storing the Sanidyne® Prime and allows inspection of lamps in operation.

SPECIFICATIONS—Sanidyne® Prime ™
ULTRAVIOLET PORTABLE AREA SANITIZER

<table>
<thead>
<tr>
<th>Model</th>
<th>Amps</th>
<th>Hertz</th>
<th>Power Consumption</th>
<th>Maximum Treatment Time</th>
<th>Lamp (Quantity)</th>
<th>Total UV Output</th>
<th>Weight (lbs)</th>
<th>Dimensions (Inches)</th>
<th>Rated Lamp Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>120v</td>
<td>4.5</td>
<td>50/60</td>
<td>550 Watts</td>
<td>24 Hours</td>
<td>05-0892 (8)</td>
<td>143 Watts</td>
<td>27</td>
<td>13-15/16&quot; 12-1/16&quot; 31-1/2&quot;</td>
<td>13,000 Hours</td>
</tr>
<tr>
<td>220v</td>
<td>2.5</td>
<td>50/60</td>
<td>550 Watts</td>
<td>24 Hours</td>
<td>05-0892 (8)</td>
<td>143 Watts</td>
<td>27</td>
<td>13-15/16&quot; 12-1/16&quot; 31-1/2&quot;</td>
<td>13,000 Hours</td>
</tr>
</tbody>
</table>

1. Total power consumption including ballast loss.
2. Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).
SPECIAL FEATURES

**Sanidyne® Prime Remote Ultraviolet Portable Area Sanitizer**

**Keypad Controller**
- **TREATMENT TIME**
- **Start/Stop**
- **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.

**Ster-L-Ray® High Output Germicidal Ultraviolet Lamps**
- Specially designed high output lamps provide the utmost in quality, sustained output, and longevity (see page 12 for information).
- **ArmorLite™ Safety Shield**
  - A protective envelope applied to the germicidal lamps. It provides increased security by eliminating the dangers associated with broken lamps.

**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.

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

**Promate™ Warning Signs (2)**
- To be affixed to entry door(s) to warn that an ultraviolet sanitizer is in use and that the treatment area should not be entered.
- **Sanidyne® Prime Remote** is for use only in unoccupied areas.

**WiFi Dome**

**Occupancy Sensors (4)**

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

**Promate™ Face Shield**
- (not shown, 1 supplied with this model) Lightweight visor with adjustable headgear provides eye and face protection from germicidal ultraviolet rays.

**Promate™ Safety Glasses**
- (optional) Safety eyewear should be used as general-purpose safety protection and for additional shielding from germicidal UV rays.
SPECIAL FEATURES

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

Promate™ Elapsed Time Indicator
Real-time, non-resettable display of accumulated operating hours.

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

Power Switch

SPECIFICATIONS—Sanidyne® Prime Remote
ULTRAVIOLET PORTABLE AREA SANITIZER

<table>
<thead>
<tr>
<th>Model</th>
<th>Amps</th>
<th>Hertz</th>
<th>Power Consumption</th>
<th>Maximum Treatment Time</th>
<th>Lamp (Quantity)</th>
<th>Total UV Output</th>
<th>Weight (lbs)</th>
<th>Dimensions (Inches)</th>
<th>Rated Lamp Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>120v</td>
<td>4.5</td>
<td>50/60</td>
<td>550 Watts</td>
<td>24 Hours</td>
<td>05-0892 (8)</td>
<td>143 Watts</td>
<td>28</td>
<td>13-15/16&quot; 12-1/16&quot; 36-13/16&quot;</td>
<td>13,000 Hours</td>
</tr>
<tr>
<td>220v</td>
<td>2.5</td>
<td>50/60</td>
<td>550 Watts</td>
<td>24 Hours</td>
<td>05-0892 (8)</td>
<td>143 Watts</td>
<td>28</td>
<td>13-15/16&quot; 12-1/16&quot; 36-13/16&quot;</td>
<td>13,000 Hours</td>
</tr>
</tbody>
</table>

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 Ultraviolet Portable Area Sanitizer**

**WiFi Dome**

**Occupancy Sensors (4)**

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**STER-L-RAY® High Output Germicidal Ultraviolet Lamps**
Specially designed high output lamps provide the utmost in quality, sustained output, and longevity (see page 12 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.

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

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

**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.

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**Promate™ Warning Signs (4)**
To be affixed to entry door(s) to warn that an ultraviolet sanitizer is in use and that the treatment area should not be entered. **Sanidyne® Plus** is for use only in unoccupied areas.

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**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.

**Promate™ Face Shield**
(not shown, 2 supplied with this model) Lightweight visor with adjustable headgear provides eye and face protection from germicidal ultraviolet rays.

**Promate™ Safety Glasses**
(optional) Safety eyewear should be used as general-purpose safety protection and for additional shielding from germicidal UV rays.
SPECIAL FEATURES

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

Power Switch

Promate™ Elapsed Time Indicator
Real-time, non-resettable display of accumulated operating hours.

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

Swivel Casters with Locking Function
Enables Sanidyne® Plus to be easily moved from one location to another.

SPECIFICATIONS—Sanidyne® PLUS ULTRAVIOLET PORTABLE AREA SANITIZER

<table>
<thead>
<tr>
<th>Model</th>
<th>Amps</th>
<th>Hertz</th>
<th>Power Consumption</th>
<th>Maximum Treatment Time</th>
<th>Lamp (Quantity)</th>
<th>Total UV Output</th>
<th>Weight (lbs)</th>
<th>Dimensions (Inches)</th>
<th>Rated Lamp Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>120v</td>
<td>10</td>
<td>50/60</td>
<td>1200 Watts</td>
<td>24 Hours</td>
<td>05-0893 (8)</td>
<td>312 Watts</td>
<td>76</td>
<td>21-3/4&quot; 20” 68-1/2&quot;</td>
<td>13,000 Hours</td>
</tr>
<tr>
<td>230v</td>
<td>5</td>
<td>50/60</td>
<td>1200 Watts</td>
<td>24 Hours</td>
<td>05-0893 (8)</td>
<td>312 Watts</td>
<td>76</td>
<td>21-3/4&quot; 20” 68-1/2&quot;</td>
<td>13,000 Hours</td>
</tr>
</tbody>
</table>

1 Total power consumption including ballast loss.
2 Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).
**SPECIAL FEATURES**

**Sanidyne® Premium Ultraviolet Portable Area Sanitizer**

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

- **STER-L-RAY® Amalgam Germicidal Ultraviolet Lamps**
  Specially designed amalgam lamps provide the utmost in quality, sustained output, and longevity (see page 12 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.

- **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 amalgam ultraviolet lamps. Versatile, efficient preheat ballasts provide higher lamp output. Operate on 120v.

- **Cooling Fans with Filters (4)**
  On either side of Sanidyne® Premium, these cool Surelite™ ballasts during operation.

- **Promate™ Warning Signs (4)**
  To be affixed to entry door(s) to warn that an ultraviolet sanitizer is in use and that the treatment area should not be entered. Sanidyne® Premium is for use only in unoccupied areas.

- **WiFi Dome**
  Occupancy Sensors (4)

- **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® Premium.

- **Steadfast™ Bipin Telescopic Lampholders**
  Lampholders fasten each lamp securely while providing convenient “quick and easy” lamp change.

- **Promate™ Face Shield**
  (not shown, 2 supplied with this model) Lightweight visor with adjustable headgear provides eye and face protection from germicidal ultraviolet rays.

- **Promate™ Safety Glasses**
  (optional) Safety eyewear should be used as general-purpose safety protection and for additional shielding from germicidal UV rays.
Remote
Control your Sanidyne® Premium from a distance by using the convenient controller.

Power Switch

Promate™ Elapsed Time Indicator
Real-time, non-resettable display of accumulated operating hours.

Cord Wrap
Convenient cord storage when Sanidyne® Premium is not in use.

Swivel Casters with Locking Function
Enables Sanidyne® Premium to be easily moved from one location to another.

SPECIFICATIONS—Sanidyne® PREMIUM™
ULTRAVIOLET PORTABLE AREA SANITIZER

<table>
<thead>
<tr>
<th>Model</th>
<th>Amps</th>
<th>Hertz</th>
<th>Power Consumption</th>
<th>Maximum Treatment Time</th>
<th>Lamp (Quantity)</th>
<th>Total UV Output</th>
<th>Weight (lbs)</th>
<th>Dimensions (Inches)</th>
<th>Rated Lamp Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>120v</td>
<td>16</td>
<td>50/60</td>
<td>1950 Watts</td>
<td>24 Hours</td>
<td>05-0250 (8)</td>
<td>480 Watts</td>
<td>104</td>
<td>21-3/4” 20-15/16”</td>
<td>68-1/2”</td>
</tr>
</tbody>
</table>

1 Total power consumption including ballast loss.
2 Ultraviolet Output at 254 nanometers at 100 hours and 80 degrees F (approximate).
GENUINE STER-L-RAY® GERMICIDAL LAMPS

STER-L-RAY® Germicidal Lamps are short-wave, 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.

STER-L-RAY® Enhanced Output Amalgam Lamps provide germicidal ultraviolet output three or more times than that of conventional germicidal lamps of similar length without sacrificing efficiency or lamp life. STER-L-RAY® Enhanced Output Amalgam Lamps are the highest expression of ultraviolet lamp technology and as such are the subject of ongoing technical development and improvement. Custom and proprietary designs are available to satisfy specialized needs.

ArmorLite™ protective coating is applied to STER-L-RAY® Germicidal 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, Sanidyne® Prime Remote, Sanidyne® Plus, Sanidyne® Premium, 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® Amalgam Germicidal Lamp with ArmorLite™ Safety Shield, used in Sanidyne® Premium

STER-L-RAY® High Output Germicidal Ultraviolet Lamp with Armorlite™ Safety Shield, used in Sanidyne® Prime and Sanidyne® Prime Remote

STER-L-RAY® High Output Germicidal Lamp with ArmorLite™ Safety Shield, used in Sanidyne® Prime
ULTRAVIOLET DOSAGE

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

<table>
<thead>
<tr>
<th>ORGANISM</th>
<th>ALTERNATE NAME</th>
<th>TYPE</th>
<th>DISEASE</th>
<th>DOSE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corynebacterium diphtheriae</td>
<td>C. diphtheriae</td>
<td>Bacteria</td>
<td>Diptheria</td>
<td>6.50</td>
</tr>
<tr>
<td>Legionella pneumophila</td>
<td>L. pneumophila</td>
<td>Bacteria</td>
<td>Legionnaire’s Disease</td>
<td>12.30</td>
</tr>
<tr>
<td>Mycobacterium tuberculosis</td>
<td>M. tuberculosis</td>
<td>Bacteria</td>
<td>Tuberculosis (TB)</td>
<td>10.00</td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>P. aeruginosa</td>
<td>Bacteria</td>
<td></td>
<td>3.90</td>
</tr>
<tr>
<td>Serratia Marcescens</td>
<td>S. marcescens</td>
<td>Bacteria</td>
<td></td>
<td>6.160</td>
</tr>
<tr>
<td>Staphylococcus aureus</td>
<td>S. aureus</td>
<td>Bacteria</td>
<td></td>
<td>6.60</td>
</tr>
<tr>
<td>Staphylococcus epidermidis</td>
<td>S. epidermidis</td>
<td>Bacteria</td>
<td></td>
<td>5.80</td>
</tr>
<tr>
<td>Adeno Virus Type III</td>
<td></td>
<td>Virus</td>
<td></td>
<td>4.50</td>
</tr>
<tr>
<td>Coxsackie A2</td>
<td></td>
<td>Virus</td>
<td></td>
<td>6.30</td>
</tr>
<tr>
<td>Influenza</td>
<td></td>
<td>Virus</td>
<td>Flu</td>
<td>6.60</td>
</tr>
</tbody>
</table>

* Nominal Ultraviolet dosage (mJ/cm²) necessary to inactivate better than 99% of specific microorganism. Consult factory for more complete listing.
**APPLICATIONS**

Sanidyne® Ultraviolet Portable Area Sanitizers disinfect air and surfaces in unoccupied areas by means of 8 **STER-L-RAY®** Germicidal Ultraviolet Lamps. The **STER-L-RAY®** lamps generate high levels of germicidal ultraviolet radiation lethal to bacteria, mold, virus, and fungi. The compact size and lightweight design of Sanidyne® Portable Area Sanitizers conveniently allows them to be moved from one location to another, providing disinfection wherever and whenever necessary.

Typical applications for the Sanidyne® include: Operating Rooms, Patient Rooms, Laboratories, Clean Rooms, Open Work Space, Homeless Shelters, Auditoriums, Hotel Rooms, Gymnasiums, Morgues, Open Office Areas, or areas where permanently mounted fixtures are not an option.

The Sanidyne® Ultraviolet Portable Area Sanitizers do not require professional installation. Access to the room must be avoided when Sanidyne® is in operation.

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