GERMICIDAL ULTRAVIOLET IRRADIATORS

Model D24-1S

Model D24-2S

GERMICIDAL ULTRAVIOLET - Equipment & Lamps

SINCE 1963

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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.

Atlantic Ultraviolet’s application specialists 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 to fulfill its commitment to provide fast deliveries and responsive customer service.

GERMICIDAL ULTRAVIOLET

Ultraviolet is a unique and rapid method of disinfection utilizing germicidal ultraviolet lamps that produce short-wave radiation at 254 nanometers (nm) that is 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 equipment and systems are manufactured in the USA.

Shown with standard instant start germicidal lamps. Also available with cold cathode and high output instant start lamps.
ADVANTAGES

Effective
Virtually all microorganisms are susceptible to SaniLight® ultraviolet disinfection.

Economical
Fixtures require very little power to operate.

Fast
Disinfects both air and exposed surfaces in seconds.

Easy
Simple installation and maintenance.

Automatic
Continuous disinfection without special attention.

Durable
Polished Stainless Steel Type 304.

Versatile
Numerous models available to handle various applications.

Low Maintenance
Routine cleaning and annual lamp replacement is required.

PRINCIPLE OF OPERATION

The SaniLight® Germicidal Ultraviolet Irradiator design has been carefully conceived to provide direct germicidal ultraviolet exposure for air or surface disinfection. The Stainless Steel fixture should be used in open, unoccupied space to disinfect and prevent areas and surfaces from microorganisms such as bacteria, mold, and virus. The treatment is very effective due to the long unobstructed path of the germicidal ultraviolet rays. The dosage, as it applies to ultraviolet disinfection, is a function of time, and the intensity, of ultraviolet radiation, to which the air or surfaces are exposed.

Our UV application specialists would be happy to perform the necessary calculations to ensure the fixture selected is appropriate for your particular application.

SaniLight® Germicidal Ultraviolet Irradiators should be utilized during periods when the room is unoccupied or when occupants take appropriate protective measures.

Model DHO24-1S with Lamp Guard

Shown with high output germicidal lamp. Also available with cold cathode and instant start lamps.

All SaniLight® Models are available with optional Lamp Guard. This wire form lamp guard helps protect lamps(s) from accidental breakage (see page 8 for sample of Applications and page 10 for Optional Accessories).
SaniLight® Instant Start Germicidal Ultraviolet Irradiator

Utilize the SaniLight® Instant Start Germicidal Ultraviolet Irradiator for direct germicidal ultraviolet exposure for air and surface disinfection. Our UV application specialists would be happy to perform the necessary calculations to ensure the fixture selected is appropriate for your particular application. (see Applications below)

Surelite™ Electronic Ballast
State-of-the-art electronic ballasts are designed specifically to operate ultraviolet lamps. Surelite™ Electronic Ballasts offer these advantages over conventional ballasts:
- deliver higher uv lamp output
- eliminate "stroscopic effect"
- operate cooler for longer life
- save energy through higher efficiency
- instant starting
- small and lightweight
- versatile... each operates a wide range of lamps
- provide silent operation

Stainless Steel Construction
The unit is manufactured in Type 304 stainless steel for unparalleled strength, durability and an attractive finish.

STER-L-RAY® Instant Start Germicidal Lamp
Lamp is instant starting and provides the utmost in quality, sustained output and longevity. (see page 11 for information)

APPLICATIONS*
- laboratories
- hospitals
- clinics
- maternity areas
- labor & delivery areas
- pathology labs
- kidney dialysis labs
- operating rooms
- methadone clinics
- burn centers
- TB clinics
- homeless shelters
- prisons and jails
- detention centers
- nursing homes
- universities
- schools
- veterinary clinics
- animal husbandry
- kennels
- food industry
- food processing
- dairy processing
- bakeries
- office buildings
- conference rooms
- clean rooms
- pharmaceutical mfg.
- electronic production
- cosmetic production
- manufacturing facilities
- morgues
- conveyor belt systems

* Other Applications Possible. Contact our Ultraviolet Application Specialists
Proper placement of the SaniLight® Instant Start Germicidal Ultraviolet Irradiator is essential, to ensure safe and effective operation; the location should have an appropriate power source, not be mounted under any source of moisture or condensation, and be easily accessible and allow enough clearance for routine cleaning or maintenance.

**SPECIFICATIONS - SaniLight® Instant Start Germicidal Ultraviolet Irradiators**

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp (Quantity)</th>
<th>Power Consumption</th>
<th>Total Ultraviolet Output</th>
<th>Unit Dimensions (Inches)</th>
<th>Rated Lamp Life (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>12.0 Watts</td>
<td>3.1 Watts</td>
<td>Length 13-1/4&quot; Width 5&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D12-1S</td>
<td>05-1500-R (1)</td>
<td>22.0 Watts</td>
<td>5.8 Watts</td>
<td>Length 19-1/4&quot; Width 5&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D24-1S</td>
<td>05-1348-R (1)</td>
<td>30.7 Watts</td>
<td>8.5 Watts</td>
<td>Length 25-1/4&quot; Width 5&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D30-1S</td>
<td>05-1352-R (1)</td>
<td>38.4 Watts</td>
<td>11.2 Watts</td>
<td>Length 31-1/4&quot; Width 5&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D36-1S</td>
<td>05-1343-R (1)</td>
<td>42.9 Watts</td>
<td>13.8 Watts</td>
<td>Length 37-1/4&quot; Width 5&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D48-1S</td>
<td>05-1334-R (1)</td>
<td>66.0 Watts</td>
<td>19.3 Watts</td>
<td>Length 49-1/4&quot; Width 5&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D64-1S</td>
<td>05-1338A-R (1)</td>
<td>94.0 Watts</td>
<td>25.0 Watts</td>
<td>Length 65-1/4&quot; Width 5&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D12-2S</td>
<td>05-1500-R (2)</td>
<td>24.0 Watts</td>
<td>6.2 Watts</td>
<td>Length 13-1/4&quot; Width 5-5/8&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D18-2S</td>
<td>05-1340-R (2)</td>
<td>44.0 Watts</td>
<td>11.6 Watts</td>
<td>Length 19-1/4&quot; Width 5-5/8&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D24-2S</td>
<td>05-1348-R (2)</td>
<td>61.4 Watts</td>
<td>17.0 Watts</td>
<td>Length 25-1/4&quot; Width 5-5/8&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D30-2S</td>
<td>05-1352-R (2)</td>
<td>76.8 Watts</td>
<td>22.4 Watts</td>
<td>Length 31-1/4&quot; Width 5-5/8&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D36-2S</td>
<td>05-1343-R (2)</td>
<td>85.8 Watts</td>
<td>27.6 Watts</td>
<td>Length 37-1/4&quot; Width 5-5/8&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D48-2S</td>
<td>05-1334-R (2)</td>
<td>132.0 Watts</td>
<td>38.6 Watts</td>
<td>Length 49-1/4&quot; Width 5-5/8&quot; Height 3-3/4&quot;</td>
<td>10,000</td>
</tr>
<tr>
<td>D64-2S</td>
<td>05-1338A-R (2)</td>
<td>188.0 Watts</td>
<td>50.0 Watts</td>
<td>Length 65-1/4&quot; Width 5-5/8&quot; Height 3-3/4&quot;</td>
<td>10,000</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).

- 120 Volts 50/60 Hz and 230 Volts 50/60 Hz units are standard - specify when ordering
- Units are available in various voltages - Consult factory with specific power requirements.
- Models with other lamp quantities and configurations available - Consult factory with specific requirements

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SaniLight® Cold Cathode Germicidal Ultraviolet Irradiator

Utilize the SaniLight® Cold Cathode Germicidal Ultraviolet Irradiator for direct germicidal ultraviolet exposure for air or surface disinfection. Our UV application specialists would be happy to perform the necessary calculations to ensure the fixture selected is appropriate for your particular application. (see Applications below)

Surelite™ Electronic Ballast
State-of-the-art electronic ballasts are specifically designed to operate ultraviolet lamps. Surelite™ Electronic Ballasts offer these advantages over conventional ballasts:
- deliver higher uv lamp output
- eliminate "stroboscopic effect"
- operate cooler for longer life
- save energy through higher efficiency
- instant starting
- small and lightweight
- versatile... each operates a wide range of lamps
- provide silent operation

Stainless Steel Construction
The unit is manufactured in Type 304 stainless steel for unparalleled strength, durability and an attractive finish.

STER-L-RAY® Cold Cathode Germicidal Lamp
Lamp is instant starting, utilizing large cylindrical cathodes instead of tungsten filaments. Cold Cathode lamps are recommended for applications where temperature is colder than standard room temperature, for example, walk-in refrigerators and holding rooms. (see page 11 for information)

APPLICATIONS*
Best used for applications where frequent starting and stopping is required and where unit must be operated in cooler temperatures.
- cool rooms
- meat lockers, refrigeration units
- freezers
- holding rooms
* Other Applications Possible. Contact our Ultraviolet Application Specialists

Steadfast™ Lampholder
Set includes a stationary and a spring-loaded, telescopic holder that holds a single pin lamp securely. The spring-loaded feature on one end facilitates convenient, quick and easy lamp changes.

Wire Form Lamp Guard (optional)
Wire form lamp guard helps protect lamp(s) from accidental breakage.

Model D24-1CC
(see page 10 for Optional Accessories)
INSTALLATION

Proper placement of the SaniLight® Cold Cathode Germicidal Ultraviolet Irradiator is essential, to ensure safe and effective operation; the location should have an appropriate power source, not be mounted under any source of moisture or condensation, and be easily accessible and allow enough clearance for routine cleaning or maintenance. Cold Cathode Lamps are recommended for walk-in refrigerators and holding rooms and are also employed in applications where frequent starting is a requirement.

SPECIFICATIONS - SaniLight® Cold Cathode Germicidal Ultraviolet Irradiators

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp (Quantity)</th>
<th>Power Consumption</th>
<th>Total Ultraviolet Output</th>
<th>Unit Dimensions (Inches)</th>
<th>Rated Lamp Life (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>D12-1CC</td>
<td>05-0052A (1)</td>
<td>18.8 Watts</td>
<td>1.4 Watts</td>
<td>13-1/4&quot; x 5&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D18-1CC</td>
<td>05-0040-R (1)</td>
<td>26.3 Watts</td>
<td>3.2 Watts</td>
<td>19-1/4&quot; x 5&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D24-1CC</td>
<td>05-1118-R (1)</td>
<td>28.8 Watts</td>
<td>5.0 Watts</td>
<td>25-1/4&quot; x 5&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D36-1CC</td>
<td>05-0044-R (1)</td>
<td>35.0 Watts</td>
<td>8.5 Watts</td>
<td>37-1/4&quot; x 5&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D48-1CC</td>
<td>05-0042-R (1)</td>
<td>42.5 Watts</td>
<td>11.2 Watts</td>
<td>49-1/4&quot; x 5&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D18-2CC</td>
<td>05-0040-R (2)</td>
<td>52.6 Watts</td>
<td>6.4 Watts</td>
<td>19-1/4&quot; x 5-5/8&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D24-2CC</td>
<td>05-1118-R (2)</td>
<td>57.6 Watts</td>
<td>10.0 Watts</td>
<td>25-1/4&quot; x 5-5/8&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D36-2CC</td>
<td>05-0044-R (2)</td>
<td>70.0 Watts</td>
<td>17.0 Watts</td>
<td>37-1/4&quot; x 5-5/8&quot; x 3-3/4&quot;</td>
<td>20,000</td>
</tr>
<tr>
<td>D48-2CC</td>
<td>05-0042-R (2)</td>
<td>85.0 Watts</td>
<td>22.4 Watts</td>
<td>49-1/4&quot; x 5-5/8&quot; x 3-3/4&quot;</td>
<td>20,000</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).

- 120 Volts 50/60 Hz and 230 Volts 50/60 Hz units are standard - specify when ordering
- Units are available in various voltages - Consult factory with specific power requirements.
- Models with other lamp quantities and configurations available - Consult factory with specific requirements
SaniLight® High Output Germicidal Ultraviolet Irradiator

Utilize the SaniLight® High Output Germicidal Ultraviolet Irradiator for direct germicidal ultraviolet exposure for air or surface disinfection. Our UV application specialists would be happy to perform the necessary calculations to ensure the fixture selected is appropriate for your particular application. (see Applications below)

Surelite® Electronic Ballast
State-of-the-art electronic ballasts are specifically designed to operate ultraviolet lamps. Surelite® Electronic Ballasts offer these advantages over conventional ballasts:
- deliver higher uv lamp output
- instant starting
- eliminate "stroboscopic effect"
- small and lightweight
- operate cooler for longer life
- versatile... each operates a wide range of lamps
- save energy through higher efficiency
- provide silent operation

Stainless Steel Construction
The unit is manufactured in Type 304 stainless steel for unparalleled strength, durability and an attractive finish.

STER-L-RAY® High Output Germicidal Lamp
Lamp is instant starting and provides the utmost in quality, sustained output and longevity. (see page 11 for information)

APPLICATIONS*
- laboratories
- hospitals
- clinics
- maternity areas
- labor & delivery areas
- pathology labs
- kidney dialysis labs
- operating rooms
- methadone clinics
- burn centers
- TB clinics
- homeless shelters
- prisons and jails
- detention centers
- nursing homes
- universities
- schools
- veterinary clinics
- animal husbandry
- kennels
- food industry
- food processing
- dairy processing
- bakeries
- office buildings
- conference rooms
- clean rooms
- pharmaceutical mfg.
- electronic production
- cosmetic production
- manufacturing facilities
- morgues
- conveyor belt systems

* Other Applications Possible. Contact our Ultraviolet Application Specialists

Steadfast® Lampholder
Set includes a stationary and a spring-loaded, telescopic holder that holds a single pin lamp securely. The spring-loaded feature on one end facilitates convenient, quick and easy lamp changes.

Wire Form Lamp Guard (optional)
Wire form lamp guard helps protect lamp(s) from accidental breakage.
Proper placement of SaniLight® High Output Germicidal Ultraviolet Irradiator is essential, to ensure safe and effective operation; the location should have an appropriate power source, not be mounted under any source of moisture or condensation, and be easily accessible and allow enough clearance for routine cleaning or maintenance.

**SPECIFICATIONS - SaniLight® High Output Germicidal Ultraviolet Irradiators**

<table>
<thead>
<tr>
<th>Model</th>
<th>Lamp (Quantity)</th>
<th>Power Consumption</th>
<th>Total Ultraviolet Output</th>
<th>Unit Dimensions (Inches)</th>
<th>Rated Lamp Life (Hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DHO18-1S</td>
<td>05-0687 (1)</td>
<td>58.0 Watts</td>
<td>11.5 Watts</td>
<td>19-1/4&quot; 5&quot; 3-3/4&quot;</td>
<td>13,000</td>
</tr>
<tr>
<td>DHO24-1S</td>
<td>05-0686 (1)</td>
<td>73.7 Watts</td>
<td>17.0 Watts</td>
<td>25-1/4&quot; 5&quot; 3-3/4&quot;</td>
<td>13,000</td>
</tr>
<tr>
<td>DHO30-1S</td>
<td>05-0686 (1)</td>
<td>92.2 Watts</td>
<td>23.0 Watts</td>
<td>31-1/4&quot; 5&quot; 3-3/4&quot;</td>
<td>13,000</td>
</tr>
<tr>
<td>DHO36-1S</td>
<td>05-1060-R (1)</td>
<td>108.0 Watts</td>
<td>28.0 Watts</td>
<td>37-1/4&quot; 5&quot; 3-3/4&quot;</td>
<td>13,000</td>
</tr>
<tr>
<td>DHO48-1S</td>
<td>05-0576 (1)</td>
<td>158.4 Watts</td>
<td>40.0 Watts</td>
<td>49-1/4&quot; 5&quot; 3-3/4&quot;</td>
<td>13,000</td>
</tr>
<tr>
<td>DHO64-1S</td>
<td>05-0690 (1)</td>
<td>193.0 Watts</td>
<td>54.0 Watts</td>
<td>65-1/4&quot; 5&quot; 3-3/4&quot;</td>
<td>13,000</td>
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<tr>
<td>DHO18-2S</td>
<td>05-0687 (2)</td>
<td>116.0 Watts</td>
<td>23.0 Watts</td>
<td>19-1/4&quot; 5-5/8&quot; 3-3/4&quot;</td>
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<tr>
<td>DHO24-2S</td>
<td>05-0686 (2)</td>
<td>147.4 Watts</td>
<td>34.0 Watts</td>
<td>25-1/4&quot; 5-5/8&quot; 3-3/4&quot;</td>
<td>13,000</td>
</tr>
<tr>
<td>DHO30-2S</td>
<td>05-0686 (2)</td>
<td>184.3 Watts</td>
<td>46.0 Watts</td>
<td>31-1/4&quot; 5-5/8&quot; 3-3/4&quot;</td>
<td>13,000</td>
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<tr>
<td>DHO36-2S</td>
<td>05-1060-R (2)</td>
<td>216.0 Watts</td>
<td>56.0 Watts</td>
<td>37-1/4&quot; 5-5/8&quot; 3-3/4&quot;</td>
<td>13,000</td>
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<tr>
<td>DHO48-2S</td>
<td>05-0576 (2)</td>
<td>316.8 Watts</td>
<td>80.0 Watts</td>
<td>49-1/4&quot; 5-5/8&quot; 3-3/4&quot;</td>
<td>13,000</td>
</tr>
<tr>
<td>DHO64-2S</td>
<td>05-0690 (2)</td>
<td>386.0 Watts</td>
<td>108.0 Watts</td>
<td>65-1/4&quot; 5-5/8&quot; 3-3/4&quot;</td>
<td>13,000</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).

- 120 Volts 50/60 Hz and 230 Volts 50/60 Hz units are standard - specify when ordering
- Units are available in various voltages - Consult factory with specific power requirements.
- Models with other lamp quantities and configurations available - Consult factory with specific requirements
OPTIONAL ACCESSORIES

**Sentinel™ Remote Lamp Indicator** *
The Sentinel™ Remote Lamp Indicator monitors lamp operation of one, two, or four lamp ultraviolet fixtures and is available with a 25, 50 or 100 foot cable.

(*Available for All SaniLight® fixtures at the time of purchase, Sentinel™ output connector needs to be installed for easy plug-in and operation.)

**ArmorLite™ Safety Shield**
Protective coating applied to STER-L-RAY® Germicidal Lamps insures protection for employees, products and work environments by eliminating the dangers associated with fragments of broken lamps and mercury contamination.

(Lamp on right has Armorlite™ coating. (Available for lamps used in All SaniLight® fixtures)

**Zenith™ Ultraviolet Meter**
A sensitive, hand-held, ultraviolet meter that can be used to:
- Survey installations to ensure that the germicidal ultraviolet radiant exposure, of occupants within the treated area, is within acceptable limits. The Zenith™ Ultraviolet Meter provides accurate and easy-to-read levels of intensity that may be interpreted by anyone - not just engineers.
- Check the intensity of aging ultraviolet lamps

**Wire Form Lamp Guard** *
Wire form lamp guard helps protect lamp(s) from accidental breakage.

(*Available for All SaniLight® fixtures at the time of purchase, Wire Form Lamp Guard needs to be installed in factory.)

**Face Shield**
Adjustable headgear and lightweight visor offers eye and face protection from Germicidal Ultraviolet Rays.

OPERATING CHARACTERISTICS

**Relative Spectral Energy Distribution (Typical)**

**Germicidal Effectiveness As Related to Wavelength**
GENUINE STER-L-RAY® GERMICIDAL LAMPS

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

STER-L-RAY® Instant Start Germicidal Lamps utilize tungsten filaments. Lamp life is governed by the life of the filaments and is affected by the frequency of starting. STER-L-RAY® lamps are well suited for a variety of air and surfaces applications.

STER-L-RAY® Cold Cathode Germicidal Lamps - instant start lamps utilize large cylindrical cathodes instead of tungsten filaments. STER-L-RAY® cold cathode, germicidal lamps possess favorable operating characteristics; their life is significantly longer than that of other lamp types, they are not adversely affected by the frequency of starting and they maintain a high ultraviolet output throughout its life, even at reduced temperatures. Cold cathode germicidal lamps are widely used in walk-in refrigerators and holding rooms and are also employed in applications where frequent starting is a requirement.

STER-L-RAY® High Output (HO) Instant Start Germicidal Lamps are similar in size and shape to conventional germicidal lamps but are capable of operating at higher input power and current. The HO lamps provide approximately twice as much UV Output as the regular instant start germicidal lamp. Lamp life is governed by the life of the filaments and is affected by the frequency of starting. STER-L-RAY® High Output Lamps are well suited for a variety of air and surface applications which require high output ultraviolet intensity.

STER-L-RAY® and the STER-L-RAY® logo 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 faceshield, gloves and protective clothing.

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>6,500</td>
</tr>
<tr>
<td>Legionella pneumophilia</td>
<td>L. pneumophila</td>
<td>Bacteria</td>
<td>Legionnaire’s Disease</td>
<td>2,700</td>
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<tr>
<td>Mycobacterium tuberculosis</td>
<td>M. tuberculosis</td>
<td>Bacteria</td>
<td>Tuberculosis (TB)</td>
<td>10,000</td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>P. aeruginosa</td>
<td>Bacteria</td>
<td></td>
<td>3,900</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>6,600</td>
</tr>
<tr>
<td>Staphylococcus epidermidis</td>
<td>S. epidermidis</td>
<td>Bacteria</td>
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<td>5,800</td>
</tr>
<tr>
<td>Adeno Virus Type III</td>
<td></td>
<td>Virus</td>
<td></td>
<td>4,500</td>
</tr>
<tr>
<td>Coxsackie A2</td>
<td></td>
<td>Virus</td>
<td></td>
<td>6,300</td>
</tr>
<tr>
<td>Influenza</td>
<td></td>
<td>Virus</td>
<td>Flu</td>
<td>3,400</td>
</tr>
</tbody>
</table>

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