**American Ultraviolet Door Barrier Germicidal Fixtures**

create a curtain of germicidal ultraviolet rays that effectively control the air-borne transmission of microorganisms between areas.

### Applications

- Ampule Filling
- Autopsy Room
- Animal Research
- Bakery
- Biology Lab
- Bottling Plant
- Brewery
- Chemistry Lab
- Contagion Ward
- Cytology Lab
- Cystoscopy Room
- Delivery Room
- Doctors Office
- Drug/Cosmetic Manufacturing
- Food Processing
- Kennel
- Microbiology Lab
- Nursery
- Operating Room
- Pathology Lab
- Pediatric Wards
- Pet Shop
- Research
- Sterile Packaging
- Syrup Room
- Veterinary Hospitals
- Zoo

**The DB Series** confines germicidal energy to a narrow beam, providing coverage within an average three-foot doorway. Wider openings can be equipped with two or more units mounted in tandem above the opening. Beam width and depth are further controlled with deep louvers that create a powerful, concentrated curtain of germicidal UV energy, resulting in maximum UVC output and increased personnel safety. Beam width and depth can be enlarged to control lamp/floor/distance ratio and create a balanced germicidal-fungicidal barrier from fixture to floor. Lamp and louver are easily removable for maintenance and lamp replacement does not require fixture disassembly or removal of fixture from mounting.

### Benefits

- Designed to mount over doorways
- Deep louvers direct energy straight down
- Protect critical areas
- Multiple units can be used on top, and sides, of doorways for extremely critical areas
- Component of UVC Operating Room Equipment “Package” (see back)
DB-36 SERIES SPECIFICATIONS

DB-36 Series Germicidal Fixtures from American Ultraviolet are constructed of hospital grade stainless steel. They are 7” long and 4” deep and come complete with an 8’ service cord and pull chain switch. Effective lamp life is rated for 12,000 hours. Ready surface installation is possible with “keyhole” slots and additional screw holes in the mounting place on back. Louvers can be easily removed for lamp maintenance while fixtures remain in place.

MOUNTING TEMPLATE

![Diagram showing keyhole slots and electrical K-O center line]

DB-36 ELECTRICAL CHARACTERISTICS

110-277V/50 or 60Hz
420mA Transformer
Lamp Watts: 39

INSTALLATION

Normal Contamination Area
Provides in excess of 170 microwatts per square cm. at 3’ level and 30 microwatts per square cm. at floor level (7’ high)

Critical Areas
Exceeds government requirement of 250 microwatts per square cm. at 3’ level, door center

PERSONNEL PROTECTION

As personnel will normally pass through the ultraviolet radiation beam in a matter of less than a second, no protective clothing or equipment is required. Personnel should not look directly into the Door Barrier fixture. Always turn the power off before cleaning or re-lamping.

American Ultraviolet®
Since 1960. It’s all we do.
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Factors are presented for American Ultraviolet fixtures only and American Ultraviolet reserves the right to alter dimensions for design and efficiency improvement without prior notice.

Prolonged, direct exposure to UVC light can cause temporary skin redness and eye irritation, but does not cause skin cancer or cataracts. American Ultraviolet systems are designed with safety in mind and, when properly installed by a professional contractor, do not allow exposure to UV irradiation and allow for safe operation and maintenance.

RADIATION DISTRIBUTION (Cross Section View)

<table>
<thead>
<tr>
<th>Distance (feet) from fixture</th>
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<tbody>
<tr>
<td>269</td>
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<tr>
<td>171</td>
</tr>
<tr>
<td>87</td>
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<tr>
<td>57</td>
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<tr>
<td>39</td>
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Max. Beam Depth 14”

UVC Operating Room Equipment “Package”
Ask about our Complete UVC Operating Room Equipment “Package”

TB Fixture
Door Barrier Fixtures
Safety Equipment
Training
Variable Transformers (Variac)
Direct Surface-Mounted Fixtures (ceiling mounted)

Represented by: