

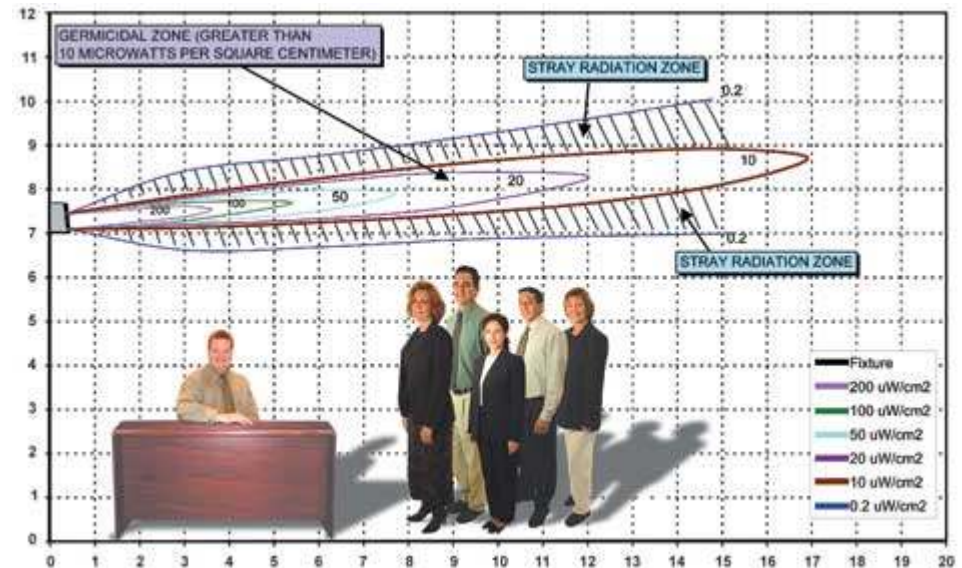
## Product Overview

- Units are constructed of tough, corrosion-resistant 304 Stainless Steel to insure long life
- Destroys bacteria, mold and viruses in the air that are carried into the ultraviolet field
- Reduced risk of cross infection & exposure of occupants to infectious airborne microbes
- Uses baffles to direct rays to the upper portions of a room
- Upper room portion must be *unoccupied*; precautions must be taken when in operation

The principal application of these germicidal ultraviolet is to purify the upper room air in occupied spaces in order to reduce the risk of cross infection and exposure of occupants to infectious airborne microbes. These fixtures are designed to project the ultraviolet rays across the upper room air thereby destroying bacteria and viruses that are carried into the ultraviolet field by convection currents or air circulation.

It is an important requirement when applying indirect germicidal ultraviolet irradiation to upper air to keep the radiation in the occupied level (below 6-1/2 feet) within acceptable limits (0.2 microwatts per square centimeter for an eight-hour exposure is a standard set by the American Conference of Governmental Industrial Hygienists). Therefore, mounting in the appropriate position is essential for safe use.

As with all indirect ultraviolet fixtures, occasional ultraviolet measurements are required to insure that ultraviolet intensities within the treated areas remain within the allowable exposure limits and minimum levels in the treated field. These fixtures have variable output ballasts that can be adjusted so that installation will comply with the standard.



### PRODUCT

## Ultraviolet Indirect Air Disinfection Units

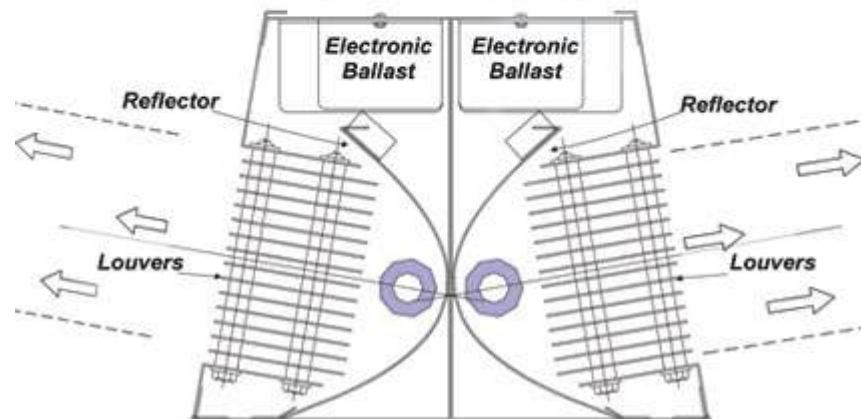
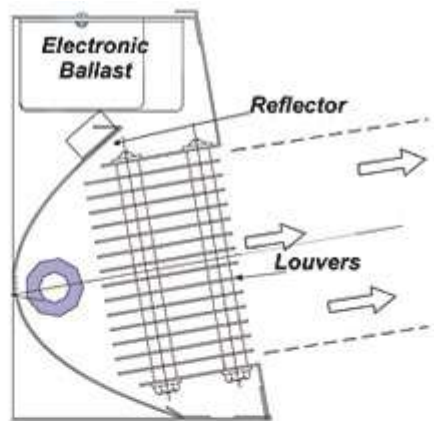
### Blaze Technology Pte Ltd

33 Ubi Ave 3, #04-23 VERTEX Singapore 408868 Tel 65 6270 2188 Fax 65 6270 9188  
Website [www.blazeasia.com](http://www.blazeasia.com) Email [sales@blazeasia.com](mailto:sales@blazeasia.com)

PAGE(S)

1/2

**BLAZE**  
UV Adhesives & Equipment



**Principle of Operation**

**Commercial Models**

Model	Total UV Output (1)	Volts/ Hertz	Dimensions			Rated Average Lamp Life
			Length	Width	Height	
250123	8.5 Watts	120v 50/60Hz	24"	5- 11/32"	7-7/8"	10,000 Hours
250120	8.5 Watts	220v 50/60Hz	24"	5- 11/32"	7-7/8"	10,000 Hours
250124	17 Watts	120v 50/60Hz	24"	10- 17/32"	7-7/8"	10,000 Hours
250121	17 Watts	220v 50/60Hz	24"	10- 17/32"	7-7/8"	10,000 Hours

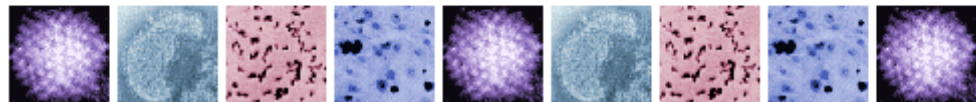
(1) Output at 254 nanometers at 100 hours and 80 degrees F (approximate).

- 120 Volts 50/60 Hz and 220 Volts 50/60 Hz units are standard - specify when ordering
- Consult factory with other specific power requirements

**Germicidal Ultraviolet Dosage**

ORGANISM	ALTERNATE NAME	TYPE	DISEASE	DOSE*
<i>Corynebacterium diphtheriae</i>	<i>C. diphtheriae</i>	Bacteria	Diphtheria	6,500
<i>Legionella pneumophila</i>	<i>L. pneumophila</i>	Bacteria	Legionnaire's Disease	2,700
<i>Mycobacterium tuberculosis</i>	<i>M. tuberculosis</i>	Bacteria	Tuberculosis (TB)	10,000
<i>Pseudomonas aeruginosa</i>	<i>P. aeruginosa</i>	Bacteria		3,900
<i>Serratia Marcescens</i>	<i>S. marcescens</i>	Bacteria		6,160
<i>Staphylococcus aureus</i>	<i>S. aureus</i>	Bacteria		6,600
<i>Staphylococcus epidermidis</i>	<i>S. epidermidis</i>	Bacteria		5,800
<i>Adeno Virus Type III</i>		Virus		4,500
<i>Coxsackie A2</i>		Virus		6,300
<i>Influenza</i>		Virus	Flu	3,400

\*Nominal Ultraviolet dosage ( $\mu\text{WSec}/\text{cm}^2$ ) necessary to inactivate better than 99% of specific microorganism. Consult factory for more complete listing.



PRODUCT

**Ultraviolet Indirect Air Disinfection Units**

**Blaze Technology Pte Ltd**

33 Ubi Ave 3, #04-23 VERTEX Singapore 408868 Tel 65 6270 2188 Fax 65 6270 9188  
 Website www.blazeasia.com Email sales@blazeasia.com

PAGE(S)

2/2

**BLAZE**  
 UV Adhesives & Equipment