



Ultraviolet Germicidal Irradiation (UVGI) SPECIFICATION SHEET: PV-AUV-TB Series

The PV-AUV-TB Series includes three (3) different size devices to cover the square footage of rooms in need of germicidal irradiation.

The TB Series wall mount in-room air treatment fixtures are designed specifically for upper air irradiation. These trusted fixtures have been successfully used to control the spread of airborne microorganisms in hospitals, prisons, clinics and government buildings since 1960. The fixtures incorporate adjustable louvers that safely direct UVC energy above contact level (7+ feet) with occupants, ensuring TB fixtures are ideal for air disinfection in occupied rooms.

Applications: The TB Series single lamp fixtures are used for in-room installation in commercial, industrial, health care and institutional buildings. They are ideal for facilities with acute needs such as hospital operating rooms and dental operatories.

Coverage Area: The TB Series is available in three sizes (providing 100, 200 and 300 square feet of coverage) and operates from 110-277 VAC at 50 or 60 Hz, allowing installation flexibility to accommodate virtually any room or building layout. Multiple fixtures can be used to cover areas larger than 300 square feet.



PV-AUV-TB-12-W: Wall Mounted UVC Disinfection Device

Coverage area: up to 100 sq ft
Wavelength: 253.7 nm
Width: 18.5"
Watts: 12w



PV-AUV-TB-24-W: Wall Mounted UVC Disinfection Device

Coverage area: up to 200 sq ft
Wavelength: 253.7 nm
Width: 27.7"
Watts: 24w



PV-AUV-TB-36-W: Wall Mounted UVC Disinfection Device

Coverage area: 300 sq ft
Wavelength: 253.7 nm
Width: 37.5"
Watts: 36w





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TB Series is manufactured in the U.S.A., and tested prior to shipment. Each assembly consists of housing, reflector, louver, electronic ballast, power cord, on/off pull chain and UVC lamp.

FIXTURE: Housings are constructed of heavy gauge hospital grade stainless steel. Lamp changes can be done without removing the fixture from the mounting. All components are in one integrated assembly to maximize serviceability.

BALLAST: The solid-state electronic ballast (furnished with this series) is a Class P rapid start with a power factor minimum of .95. It is available as a 120, 208, 230, or 277 VAC 50/60 Hz and is designed to maximize photon production in air temperatures of 35 to 175 degrees F. Minimum ballast start temperature is minus 20 degrees F. Ballasts have a RFI - EMI rating as defined by FCC part 18A for industrial / commercial applications in regards to suppression. Ballasts are UL listed.

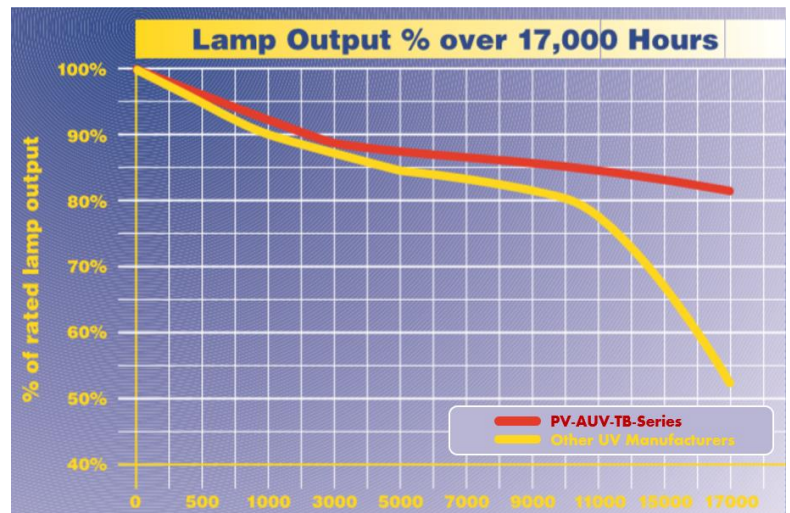
LAMPS: TB series UVC lamps are T5 tube diameter, and constructed from hard glass tubing for superior UV transmittance. Lamps are “green”, containing ≤8mg of mercury (Hg). Lamps shall retain, at minimum, 80% of initial output after 17,000 hours of use and produce no ozone. Electrodes are designed to maximize plasma convection and stability for superior lamp performance.

Lamp Replacement: TB Series fixtures are designed for easy access lamp changes by simply unscrewing two large thumb screws on the sides and dropping the hinged louver down for easy lamp access. TB Series lamps are rated for two-year continuous operational life with approximately 20% drop in UVC output at end of lamp life.

PV-AUV-TB-24-W	
Wall Mounted UVC Disinfection Device	
Coverage area up to (sq ft)	100
Wavelength (nanometers)	253.7
Size: Width/Height/Depts (inches)	18.5/5.2/6.6
Watts	12
Shipping Package: Width/Height/Depts (inches)	19/6/12
Weight (lbs)	12

PV-AUV-TB-24-W	
Wall Mounted UVC Disinfection Device	
Coverage area up to (sq ft)	200
Wavelength (nanometers)	253.7
Size: Width/Height/Depts (inches)	27.7/5.2/6.6
Watts	24
Shipping Package: Width/Height/Depts (inches)	39/6/12
Weight (lbs)	20

PV-AUV-TB-36-W	
Wall Mounted UVC Disinfection Device	
Coverage area up to (sq ft)	300
Wavelength (nanometers)	253.7
Size: Width/Height/Depts (inches)	37.5/5.2/6.6
Watts	36
Shipping Package: Width/Height/Depts (inches)	39/6/12
Weight (lbs)	30

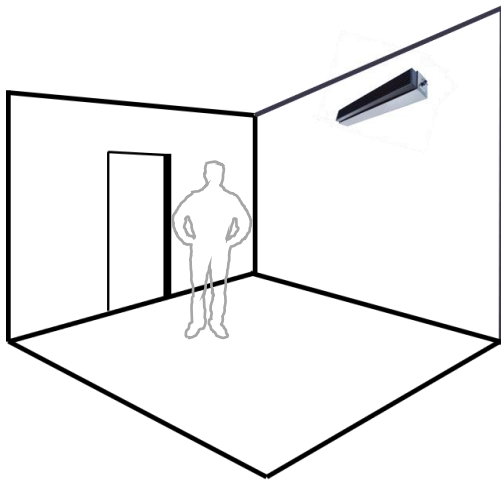




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Benefits

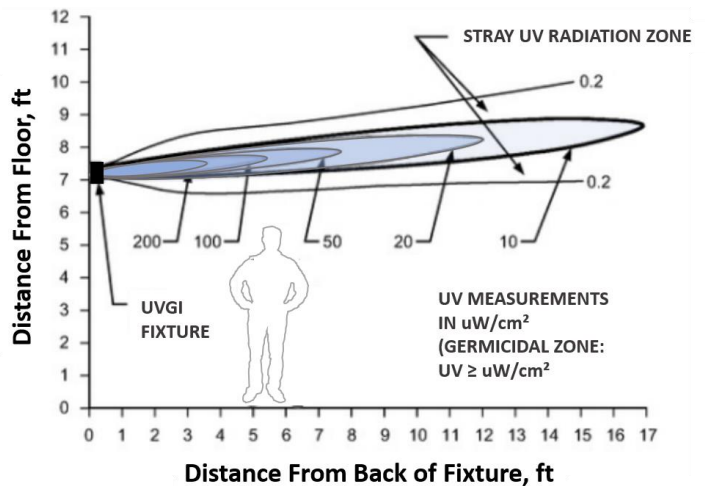
- Improves Indoor Air Quality (IAQ) by reducing bacteria, viruses and mold that either grow or pass through the air handling systems. Reduces the risk of cold, flu, allergies and other illness associated with air handling systems
- Two-year (17,000 hour) guarantee on lamps with only 20% decrease in output over the two years.
- Five-year, non-prorated warranty on the ballast
- Continuously cleans upper air in rooms, preventing airborne transmission of bacteria and viruses
- Produces no ozone or other secondary contaminants



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



Upper Air Room Disinfection



Ultraviolet Lamp Wavelengths

