



## Upper Air Germicidal Solutions

**American Ultraviolet RAM Series in-room air treatment fixtures** are designed specifically for upper air irradiation inside occupied rooms. These trusted fixtures have been successfully used to control the spread of airborne microorganisms in hospitals, prisons, clinics and government buildings since 1960. The enclosed RAM fixtures feature fan-assisted air movement and will not expose room occupants to eye or skin damage from ultraviolet energy.

### Applications

RAM Series upper air germicidal fixtures from American Ultraviolet are designed for in-room use in commercial, industrial, health care and institutional buildings.

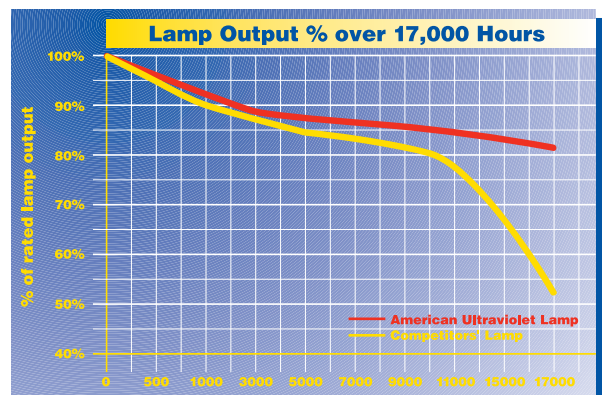
**The RAM Series** features dual lamp configurations and is available in two high output lamp sizes (14" or 36"), with two voltage options (115 or 230VAC), allowing installation flexibility to accommodate virtually any room or building layout. RAM Series fixtures are also designed for easy access lamp changes - simply unlatch the cover. RAM Series lamps are rated for two-year continuous operational life with approximately 20% drop in UVC output at end of lamp life.

### RAM Series



### 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 risks associated with air handling systems
- Two-year guarantee (17,000 hours) on lamps with only 20% decrease in output over the two years
- High-output lamps for maximum germicidal efficiency
- Five-year, non-prorated warranty on the ballast
- Continuously cleans air in rooms, preventing airborne transmission of bacteria and viruses
- Produces no ozone or other secondary contaminants



# In-room Upper-air Treatment UVC Germicidal Fixtures

## RAM SPECIFICATIONS:

Every RAM fixture from American Ultraviolet is manufactured and factory assembled in the U.S.A., and tested prior to shipment. Each assembly consists of a stainless steel housing, electronic ballast, power cord, on/off pull chain and UVC lamp.

**FIXTURE:** Housings are constructed of heavy gauge hospital grade stainless steel. Safety Limit switch shall shut off lamps if fixture access door is opened. Unit incorporates (2) fans and (2) filters for proper airflow and filtration. All components are in one integral 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 or 230 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 an RFI - EMI rating as defined by FCC part 18A for industrial / commercial applications in regards to suppression. Ballasts are UL listed.

**LAMPS:** RAM series UVC lamps are high-output, T5 tube diameter, and constructed from hard glass tubing for superior UV transmittance. Lamps are "green," containing  $\leq 8$ mg 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. Lamps are rated to produce 11.7 microwatts/cm<sup>2</sup> per linear inch of lamp arc length at a distance of one meter. This output has been independently tested in airstreams of 400 feet per minute velocities, and at temperatures of 45 degrees F.

## Upper Air Companion Products

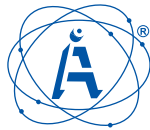
### TB

- 75 – 300sq.ft. coverage (per unit) available
- Wall-mounted, louvered design to operate with personnel in room
- Stainless steel housing



### CM15:

- 75-100 sq. ft. coverage (depending on application)
- Attractive design
- Mounts in corner of room



**American Ultraviolet®**

Since 1960. It's all we do.

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