



American Ultraviolet®

Insightful Solutions. Remarkable Results. Since 1960.

American Ultraviolet High-output DC Series germicidal fixtures are designed specifically for HVAC applications. They can be mounted in various configurations for optimum pass-by air decontamination to irradiate cooling coils and drain pans and to span supply ducts and/or cooling coils.

APPLICATIONS

DC Series fixtures are used for external installation in medium to large air handling systems in commercial, industrial, healthcare and institutional buildings.

BENEFITS

- Improves Indoor Air Quality (IAQ) in the air handling systems.
- “Green” lamps contain $\leq 8\text{mg}$ of Mercury
- Two-year (17,000 hours) guarantee on lamps with 20% decrease in output over the two years
- Ten-year, non-prorated warranty on the ballast
- Continuously cleans coils, drain pans, plenums and ducts, eliminating costly cleaning programs and the use of harmful chemicals and disinfectants
- Reduces HVAC energy costs by restoring heat transfer and net cooling capacity
- Produces no ozone or other secondary contaminants



2 Lamp
DC Series



4 Lamp
DC Series

Duct Clean

DC Series

UVC DC Series



DUCT CLEAN

DC Series Fixtures

DC Series Fixtures are offered in two and four-lamp configurations. They may be mounted singly; in built-up banks; or in parallel configurations in a variety of locations, including coils, drain pans, ductwork, mixed air plenums and exhaust systems. The DC Series is available in five insertion depths (14", 16", 24", 33", and 45"), and the ballasts are multi-voltage 120-277 VAC, 50/60Hz, providing installation flexibility to accommodate any system. DC Series Fixtures are designed for easy access lamp changes - simply remove the rear access panel, and remove the lamps. All electronic components are housed outside the ducting, including lamp power connection, which eliminates moisture contamination. Lamps are rated for two-year continuous operational life.

DC SERIES SPECIFICATIONS:

Every DC fixture is manufactured and factory assembled in the U.S.A., and tested prior to shipment. Each assembly consists of housing, support bracket, electronic ballast(s), power cord and high output lamps.

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 120-277 VAC, 50/60Hz, 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 and suitable for use in air handling spaces.

LAMPS:

DC Series UVC lamps are high-output (800mA), T5 tube diameter, and constructed from hard glass tubing for superior UV transmittance. Lamps are "green", containing $\leq 8\text{mg}$ of Mercury (Hg) and produce no ozone. Lamps shall retain, at minimum, 80% of initial output after 17,000 hours of use. Electrodes are designed to maximize plasma convection and stability for superior lamp performance.

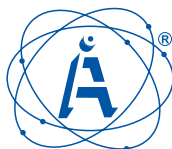
INDEPENDENT TESTING:

Units are tested in accordance with the general provisions of IES Lighting Handbook, 1981 Applications Volume.

ORDERING SPECIFICATIONS

Fixture	Insertion Depth	# of Lamps per Fixture	Lamp Used	Voltage	Fixture	Insertion Depth	# of Lamps per Fixture	Lamp Used	Voltage
DC14-2	14"	2	SBL410	120-277	DC14-4	14"	4	SBL410	120-277
DC16-2	16"	2	SBL430	120-277	DC16-4	16"	4	SBL430	120-277
DC24-2	24"	2	SBL415	120-277	DC24-4	24"	4	SBL415	120-277
DC33-2	33"	2	SBL420	120-277	DC33-4	33"	4	SBL420	120-277
DC45-2	45"	2	SBL445	120-277	DC45-4	45"	4	SBL445	120-277

Prolonged, direct exposure to UVC light can cause temporary skin redness and eye irritation. American Ultraviolet systems are designed with safety in mind and, do not allow exposure to UV irradiation and allow for safe operation and maintenance.



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Represented by:

