



TECHNICAL INFORMATION

TODD PREP UV

DST 801

The Todd PrepUV is a portable ultraviolet sanitizer for the removal of infectious microorganisms such as bacteria, mold and virus. Ultraviolet is a unique and rapid method of disinfection and is an ideal solution for air and surface treatment needs in the preparation room and other areas of the funeral home.

FEATURES

Portable unit comes complete with programmable timer and remote control for easy use.

Disinfects both air and exposed surfaces utilizing germicidal ultraviolet (UV-C) wavelength lamps in unoccupied rooms.

A 200 square foot room can be treated in an hour or less depending upon the required dosage and the distance from the fixture(s).

SPECIFICATIONS

Voltage: 120v

Amps: 4.5

Hertz: 50/60

Power Consumption: 550 Watts

Max Treatment Time: 24 Hours

Lamps: Quantity 8

Total UV Output: 143 Watts

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SPECIFICATIONS (CONTINUED)

Weight: 28 lbs

Length: 13.9375"

Width: 12.0625"

Height: 36.8125"

Rated Lamp Life: 13,000 hours

AUXILIARY REQUIREMENTS FOR CODE COMPLIANCE

Recommended to be mounted 20 to 30 inches off the floor on a rolling cart.

Operate only in unoccupied rooms.

Bodies must be covered if in the room while the unit is in use.

PREP UV CONSIDERATIONS

Sterilization is based on UV-C output, treatment time and distance from fixtures. The farther away an object is located from the PrepUV, the longer it takes to sterilize that object.

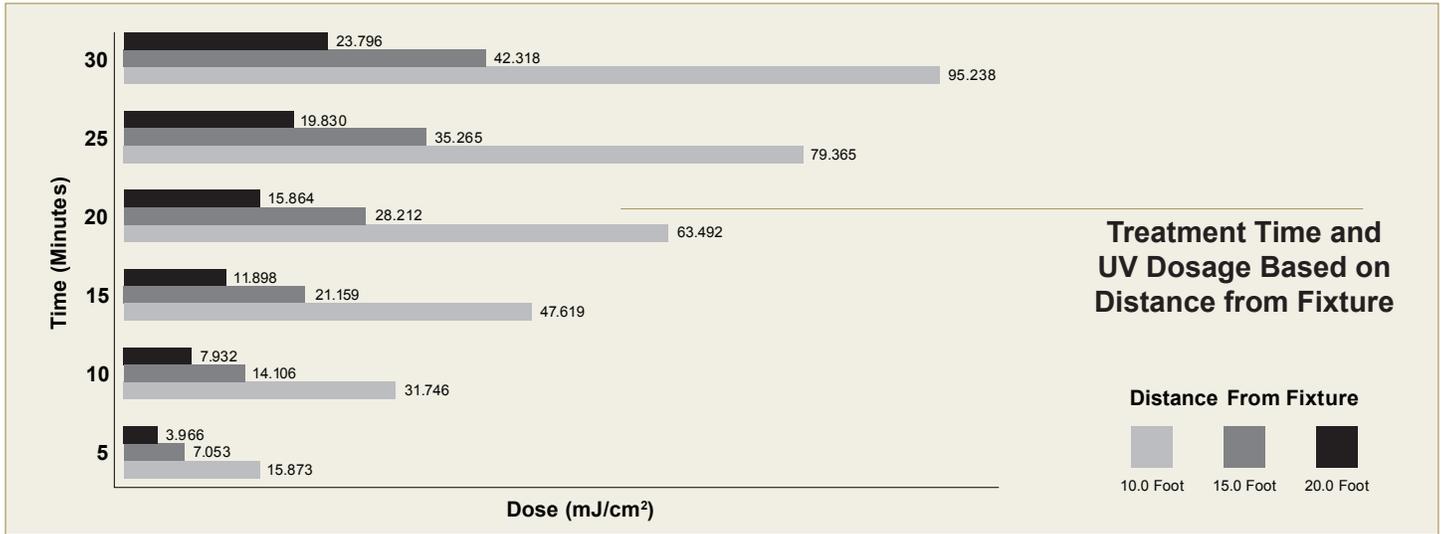
SARS recommended UV dosage is in the range of 150,000 microwatts/cm² (150 millijoules/cm²). Some industry experts are using as high as 250,000 microwatts/cm² (250 millijoules/cm²) as a baseline sterilization dosage during COVID. As of yet, no specific dosages for COVID have been provided by the CDC or any accredited organization. Viruses like SARS require higher dosages than most bacteria and other microorganisms.

Using the PrepUV, a 15 by 15 (225 sq. ft.) room will need an hour or less to sterilize to 200,000 microwatts/cm² (200 millijoules/cm²). For this size room, a sterilization cycle of 2 hours when the room is unoccupied should provide dosages well in excess of 250,000 microwatts (250 millijoules/cm²). This could be considered a good balance between sterilization versus lamp life and UV damage (UV can dry out and fade materials over time) and can be accomplished overnight. For more uniform sterilization, the PrepUV can be cycled in one location in the room and then moved to another location in the room to be cycled again. The PrepUV should only be used in unoccupied areas.

UV sterilization is based on clear line of site. To reduce shadowing effects, it is recommended that the unit be mounted 20" to 30" from the floor on a rolling cart.

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TREATMENT TIME AND UV DOSAGE BASED ON DISTANCE FROM FIXTURE



Note: Dose shown above is expressed as mJ/cm² (millijoule per square centimeter).