

Installation Guide

Far UV Technologies engineers work with our customers to determine optimal placement of fixtures based on targeted floor plans, ceiling heights, higher traffic – higher risk areas, expected air flows, other already implemented or expected disinfection approaches and targeted budgets.

Note: Installation of Krypton Disinfection Lighting must be performed by a Qualified Person as determined by the National Electrical Code. Do not reverse polarity. Improper installation will void the warranty.

Before You Begin: Carefully unpack your ceiling mount Krypton disinfection lighting system. Ensure that all components, including the lamp assembly, ceiling mount plate, power supply, additional wiring and wire nuts, are present and intact. Included components may vary depending on the specifications of your order and application.



Figure 1

Left – Krypton-11 lighting in packaging with wall adapter and power supply
Right – Components for installation including: Krypton lamp, 20 ft wire, wall adapter, 100-277V power supply, ceiling mount, wire nuts, and screws

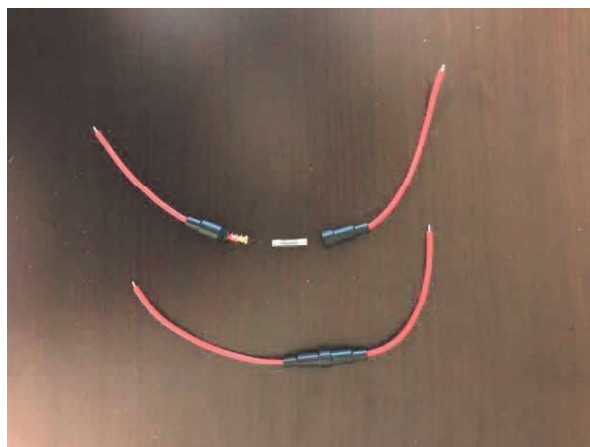


Figure 2

For transportation installations use 2A inline fuse

1. Mount unit at desired location using approved method.



Figure 3

Left – Use T-clamp for conventional drop ceiling
Right – Standard cut-in box installation

2. Route wire to power supply using approved method.

3. Connect unit to 12V power supply using approved method.

Note: Far UV Technologies offers alternative 12VDC sources for the Krypton unit upon request including multi-light junction boxes and adapters for wall outlets (Figure 4). Please consult with Far UV Technologies on the 12VDC source that best fits your application before ordering.



Figure 4

Left – 100-277V power supply that can power up to 3 lights
Center - Wall adapter for samples or temporary use
Right – Junction box that can power up to 9 lights

4. Connect power supply to correct voltage using approved method.

Operation

The Krypton unit once installed is simple to operate.

This unit will often be connected to a switching source (through your light switch or other switching devices) to either emit Far UV continuously or cycling throughout the day. Turning your unit and/or lights off in unoccupied rooms can extend the useful life. The Krypton unit will provide 222nm radiation limited by IEC/EN 62471 or ACGIH exposure limit recommendations for 222nm radiation.

Note: This unit is intended for operation at a minimum height of 8'. If your ceiling height is less than 8', please contact Far UV Technologies for custom cycling options.

Caution

Do not expose the Krypton unit to water

Do not touch the Krypton unit while operating

Do not use the Krypton unit near foggers and misters

Make sure the power source supplied by the manufacturer or user is rated appropriately for the number of Krypton lamps it supplies

The unit emits Far UV Technologies 222nm wavelength light. Studies have shown that 222nm in appropriate daily doses is not harmful to the skin or eyes. This Krypton device meets the maximum exposure guidelines as set by IEC/EN 62471 or ACGIH when used as described in this Installation and operation guide

Warranty

The limited warranty set forth below is given by Far UV Technologies, Inc. and applies to the Far UV Technologies fixture only. The product when delivered to you in new condition in its original container is warranted against defects in materials and workmanship under normal use and service for a period of 6 months from the date of purchase. If the product is found to be defective during this warranty period Far UV Technologies will repair or exchange the unit for a new or refurbished unit as determined by Far UV Technologies.



Tony Stephens is a Master Electrician and manages Far UV Technologies' installation, maintenance and field operations. Mr. Stephens has over 30 years of extensive electrical experience in the commercial, industrial, residential and transportation markets. In addition to working for several electrical contracting companies, including his own, Mr. Stephens has been a Certified Instructor, Certified Safety Engineer and worked at AllCom Global Services, General Motors and Amtrak.