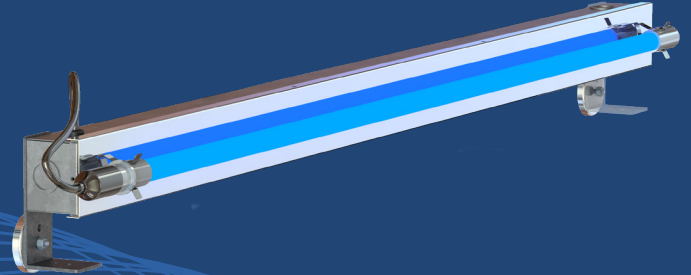


BIO-FIGHTER[®]

XL

Large commercial coils require large UV-C fixtures to maximize surface area coverage efficiently.



Meets UL 2998 no ozone standards and is CARB certified.

Extra Large Commercial Coils Demand Extra Large UV Lights

The Bio-Fighter[®] XL is uniquely qualified for extra-large applications with lamp lengths up to five feet and a class-leading reflector surface area to cost effectively apply a high dose of UV-C energy.

Extra Large Applications.

Extra long lamps, up to 5 feet, deliver a wide dose of germicidal UV light.

Ozone Free.

Meets and surpasses UL 2998 no ozone standards. CARB certified.

High-Output UV Lamps.

Large T6 lamps are custom designed with cathode rings to maximize UV-C power and efficiency.

Electronic Ballast.

Powerful 120V, 230V or 277V electronic ballast.

UV Efficiency.

Highly polished aluminum reflector focuses more UV-C light toward coil.

Moisture Resistant.

Moisture boot seals lamp connections against moisture.

Magnetic Mounting.

Quickly connect fixture to ferromagnetic surface or Unistrut channel.

Flexible Installation.

Multiple conduit locations on chassis allow for a flexible installation in a variety of applications.

COIL SIZING REFERENCE

INSTALLATION

Determine the dimensions of the coils or area to be irradiated.

Use the Coil Sizing Reference to determine the number of lamps needed for proper coverage.

Larger coils may require multiple Bio-Fighter kits.

UV LAMP CONFIGURATION GUIDELINES

The distance between UV lamp(s) and the irradiated surface should be between 6"-18" is optimal.

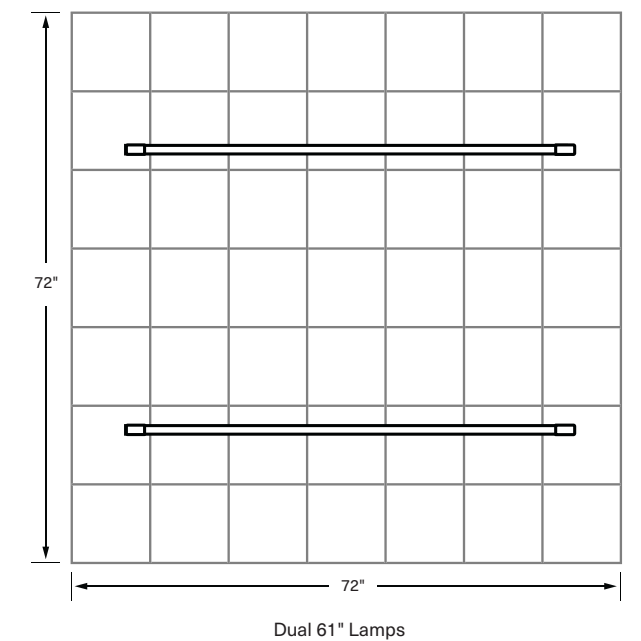
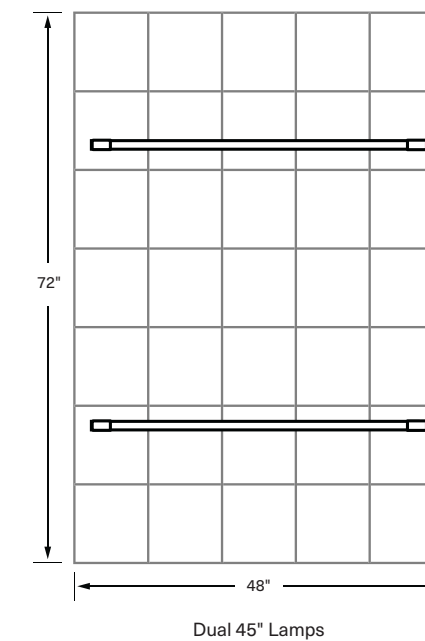
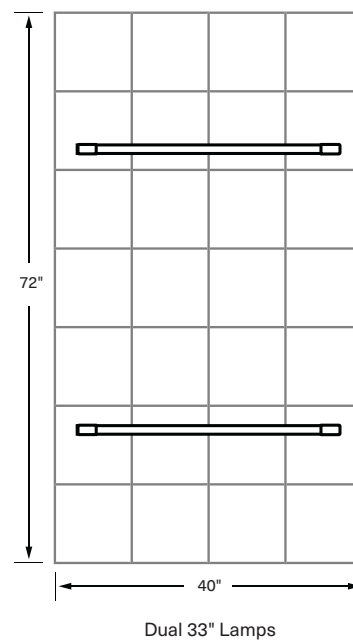
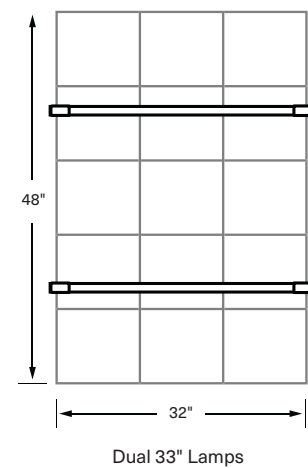
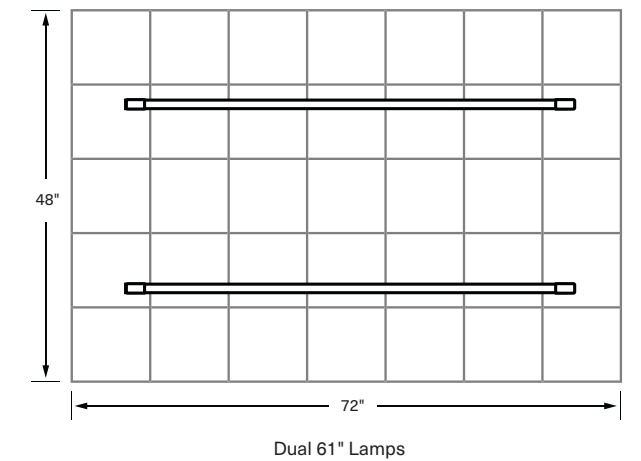
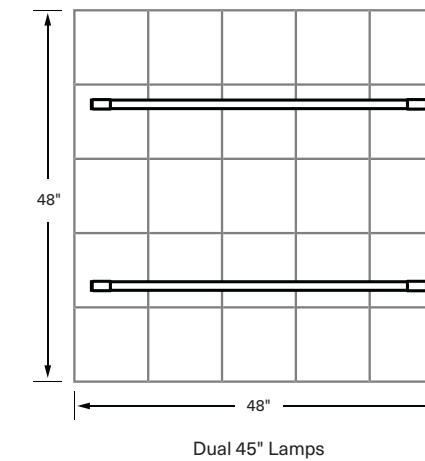
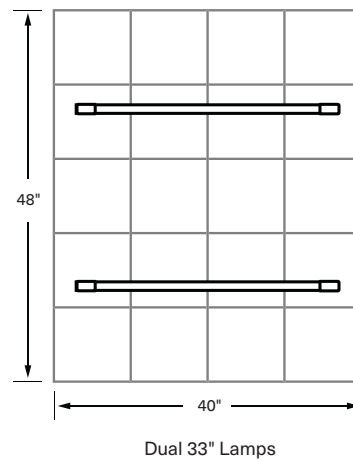
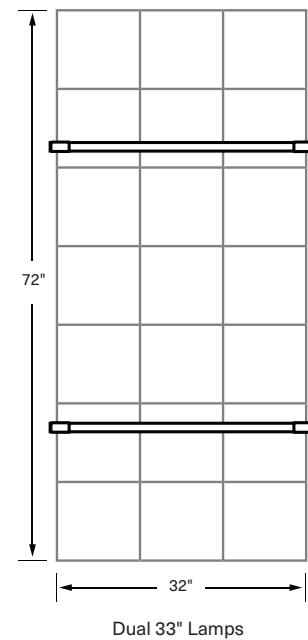
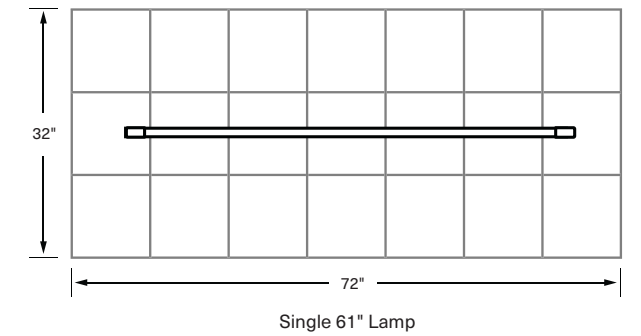
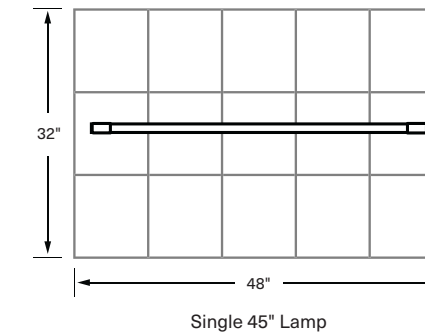
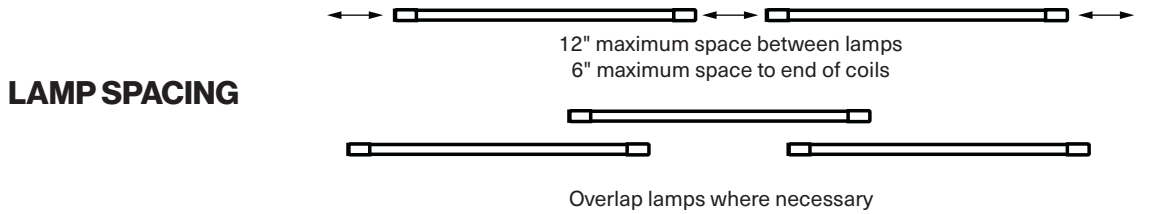
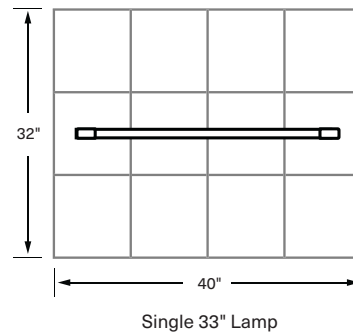
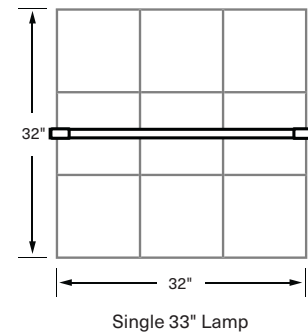
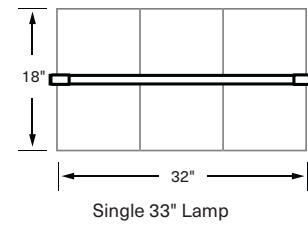
The distance between stacked UV lamps should not exceed 35".

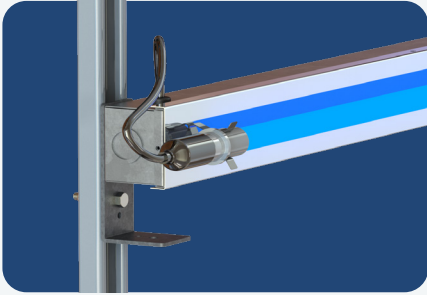
The distance between end to end UV lamps should not exceed 12".

The distance of UV lamp ends to the edge of irradiated surface should not exceed 6".

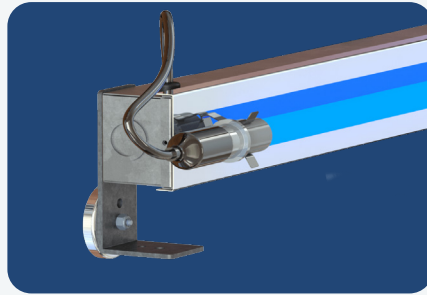
One single lamp can cover 36" of coil height, 18" above and 18" below. Each lamp also covers an additional 6" of width beyond the ends of the lamp, 3" on either side of the lamp.

Note: The configurations shown here represent typical UVC coverage for surface treatment of coil surfaces. ASHRAE recommends 50-100 micro-watts / sq. cm of UV-C intensity for HVAC surface treatment. Air treatment requires 600 to 1500 micro joules / sq. cm for air treatment which more lamps than surface treatment. Contact Dust Free Engineering for air treatment design guidance.



IMAGES


Includes all hardware necessary for Unistrut channel and magnetic mounting.



Magnetic mounting easily connects ferromagnetic surface or Unistrut channel.

SPECIFICATIONS

Models	XL 21"	XL 33"	XL 45"	XL 61"
Size and Weight	Unit: XL 21": 3.375"H x 2.5"W x 24"L XL 33": 3.375"H x 2.5"W x 36"L XL 45": 3.375"H x 2.5"W x 48"L XL 61": 3.375"H x 2.5"W x 64"L		Weight: XL 21": 3.9 lbs. XL 33": 4.6 lbs. XL 45": 6.4 lbs. XL 61": 8.3 lbs.	
Electrical	120V, 50/60Hz, 1PH. Optional 230V. Optional 277V, 50/60Hz, 1PH.			
Ozone	UL 2998 validated no ozone. Meets California ozone emissions limit: CARB certified.			
Lamp	9,000 hour lamp.			
UV-C Output ($\mu\text{w}/\text{cm}^2$)	XL 21" – 800. XL 33" – 880. XL 45" – 890. XL 61" – 850.			
Temperature Rating	45° to 150° F (Outside of duct).			
Warranty	3-yr limited. 1-yr on lamp.			

U.S. Patent Nos. 5,334,347, 5,817,276, 6,245,293, 6,267,924, 6,280,686, 6,313,470, 6,627,000, 6,539,727, 6,932,494, 6,550,257.



ZERO OZONE EMISSIONS - MEASURED OZONE EMISSIONS FROM BIO-FIGHTER XL DURING USE PHASE DOES NOT EXCEED 0.005 PPM AS TESTED BY UL 867.
UL.COM/ECV

EPA Establishment No. 73316-TX-1

Dust Free® uses independent labs and universities for product testing.
Visit <http://www.dustfree.com/testing>.

The product and technologies described are not medical devices, and are not intended to diagnose, treat, cure, or prevent any disease or illness.

1. All third-party laboratory testing paid for by Dust Free®.

PROJECT

Customer:

Project:

Engineer:

PO #:

VAC	DESCRIPTION	QTY
120V	XL 21" - #06170	<input type="text"/>
120V	XL 33" - #06172	<input type="text"/>
120V	XL 45" - #06174	<input type="text"/>
120V	XL 61" - #06176	<input type="text"/>
230V	XL 21" - #06178	<input type="text"/>
230V	XL 33" - #06179	<input type="text"/>
230V	XL 45" - #06188	<input type="text"/>
230V	XL 61" - #06189	<input type="text"/>
277V	XL 21" - #06171	<input type="text"/>
277V	XL 33" - #06173	<input type="text"/>
277V	XL 45" - #06175	<input type="text"/>
277V	XL 61" - #06177	<input type="text"/>



Learn more at
<https://dustfree.com/product/xl>