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IND-DWG-FUVC-5X-R1-120V-25C

Far-UV Sanitation Portal - (5) 222 nm Excimer Lamps - 304 Stainless Steel/Power Cord

Product ID: 268236

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

This unit is Made In USA - Manufactured in Texas

IND-DWG-FUVC-5X-R1-120V-25C UVC Sanitation Portal - Ozone Free

Lamp Technology: Far UV-C Excimer
Lamp Quantity: (5)
External Dimensions: 56"-W x 86"-H x 12"-D
Internal Dimensions: 35.6"-W x 76.9"-H x 8.8"-D
Weight: -
Voltage: 120V or 240V
Frequency: 60Hz
Total Watts: 200W
Single-lamp Watts: 40W
Total UV Output: -
Total Effective UV Intensity: 200 uW/cm2 @ 1.57"
Expected Lifespan: 10,000+ Hours
UV Wavelength: Far UV-C, 222nm
Lamp Type: -
Lamp Base: -
Replacement Lamp: -
Beam Angle: 180º
Light Configuration: Flood
Remote Driver: Included
Amps: 1.66A @ 120V, 0.83A @ 240V
Ambient Operating Temp Range: -
Materials: 304 Stainless Steel

Ratings/Features

222nm Germicidal Light
Kills 99% of viruses and other germs
Mercury Free Lamp
Instant-On Lamp, No Warm Up Time
More Efficient & Effective than UVC Lamps
No Harmful UVC Emissions
No Block Off/Bandpass/Cutoff Filters) Needed
Skin Safe & Eye Safe
Ozone Free
Low Heat Output
EPA Reg. No 98409-1
EPA Est. No. 98409-TX-1

Special Orders - Special Requirements

Contact us for special requirements

Lens Material: Quartz Glass

Mounting: Stand

Wiring: 25' Power Cord w/ Cord Cap

Cord Cap Options: 5-15 Straight, 6-15 Straight, L5-15 Twist, L6-15 Twist, UK BS1363, Intl. Schuko, Pigtail

Please note: This product produces Far-UV light. Far UV-C light has shown in some studies to be eye-safe and skin-safe, while still effective as a germicidal and sanitation device, making it safe to use continually in occupied areas. Make sure to follow all safety guidelines and protocols found in the user manual. UVC light in the proper setting kills up to 99.9% of viruses, mold, spores and bacteria. Click here to learn more about UVC and the corona virus

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The Larson Electronics IND-DWG-FUVC-5X-R1-120V-25C Far-UV Sanitation Portal can disinfect 99% of viruses, bacteria, mold and spores at entry/exit points and high traffic areas. Equipped with five excimer lamps, this ozone-free unit offers 222nm UV-C output that is considered to be eye and skin safe for humans. The far-UV lamps offer instant start and cool operation. The remote driver, which operates on 120V and 240V 60Hz, is included with the system.

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The IND-DWG-FUVC-5X-R1-120V-25C is a powerful sanitation solution that has eye and skin safe features for industrial sites and commercial facilities. This sanitation portal consists of five, 40-watt excimer lamps. Each light offers 40 uW/cm2 UV intensity at 222nm UV wavelength. The ozone-free lights have an expected lifespan of 10,000+ hours and emit a flood beam pattern with 180 degrees of coverage. This UV light is protected by a quartz glass. The far-UV light can disinfect over 99% of viruses, bacteria, mold and spores. This lamp is considered to be eye and skin safe (the 222nm UV wavelength cannot penetrate the eyes and skin of humans), making applications suitable in occupied areas requiring sanitation. Designed for cool operation, the instant-start light is efficient at eliminating harmful microbes, viruses and bacteria at low doses.

The far-UV disinfection portal is made out of 304 stainless steel for corrosion resistance and long-term durability. We offer powder coated finishes for extended, reinforced durability at an additional cost. This system is designed for constant-on operation. We offer models with motion sensors for automated operation at an additional cost.

Benefits of Excimer Far UV Lamps: When it comes to Far-UV lamps, there are few options in the skin-safe and eye-safe wavelengths. Similar to LED lamps, excimer lamps provide "instant-on" startup, and do not require a warmup period; excimer lamps are at 100% peak output when switched on. Most lamp technologies that do product UVC use mercury in the manufacturing process. Excimer lamps have ZERO mercury, making them more environmentally friendly. Excimer lamps can be tuned to specific wavelengths (222nm wavelength for this product) and produce no harmful UVC radiation or wasteful visible light and infrared light. Excimer lamps are more efficient at converting electricity (input power) into UV irradiance, which reduces the heat output from excimer lamps over other technologies. Fluorescent, amalgam, low-pressure mercury, and high-pressure mercury lamps do not product as tight of a wavelength and generate more heat, both of which wastes energy for the UV sanitation application. Excimer lamps have a higher average UV irradiance per square inch and have a higher photon emission over other lamp technologies. Being safe for use in occupied areas, instant-on power, mercury free, higher UV output, and low heat output make Far-UV excimer lamps the preferred choice for UV sanitation and disinfecting

applications.
Voltage: The IND-DWG-FUVC-5X-R1-120V-25C is compatible with 120V AC and 240V AC, 60Hz. Cooled by natural air, the remote driver is included with the system.

Click Photos to Enlarge



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This unit is equipped with a 25-foot cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.
Mount: The far-UV portal is designed for standalone applications. This unit can be deployed at entry/exit points of buildings, transit or high traffic areas and busy locations requiring sanitation.
Note on Environment: Sunlight and visible light fixtures do not impact the effectiveness of the disinfecting on this UVC sanitation product. Metal halide, high pressure sodium, fluorescent, and LED light fixtures can be left on. The UV radiation emitted from this product is not disrupted by any type of lighting in the environment. Put simply, NO it DOES NOT need to be dark in the area you plan to disinfect. Please see user manual for additional safety information.
Suggested Applications: Sanitation, disinfection, commercial locations, industrial parks, medical centers, labs, manufacturing and semiconductors; kills 99% of viruses, bacteria, mold and spores.
At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

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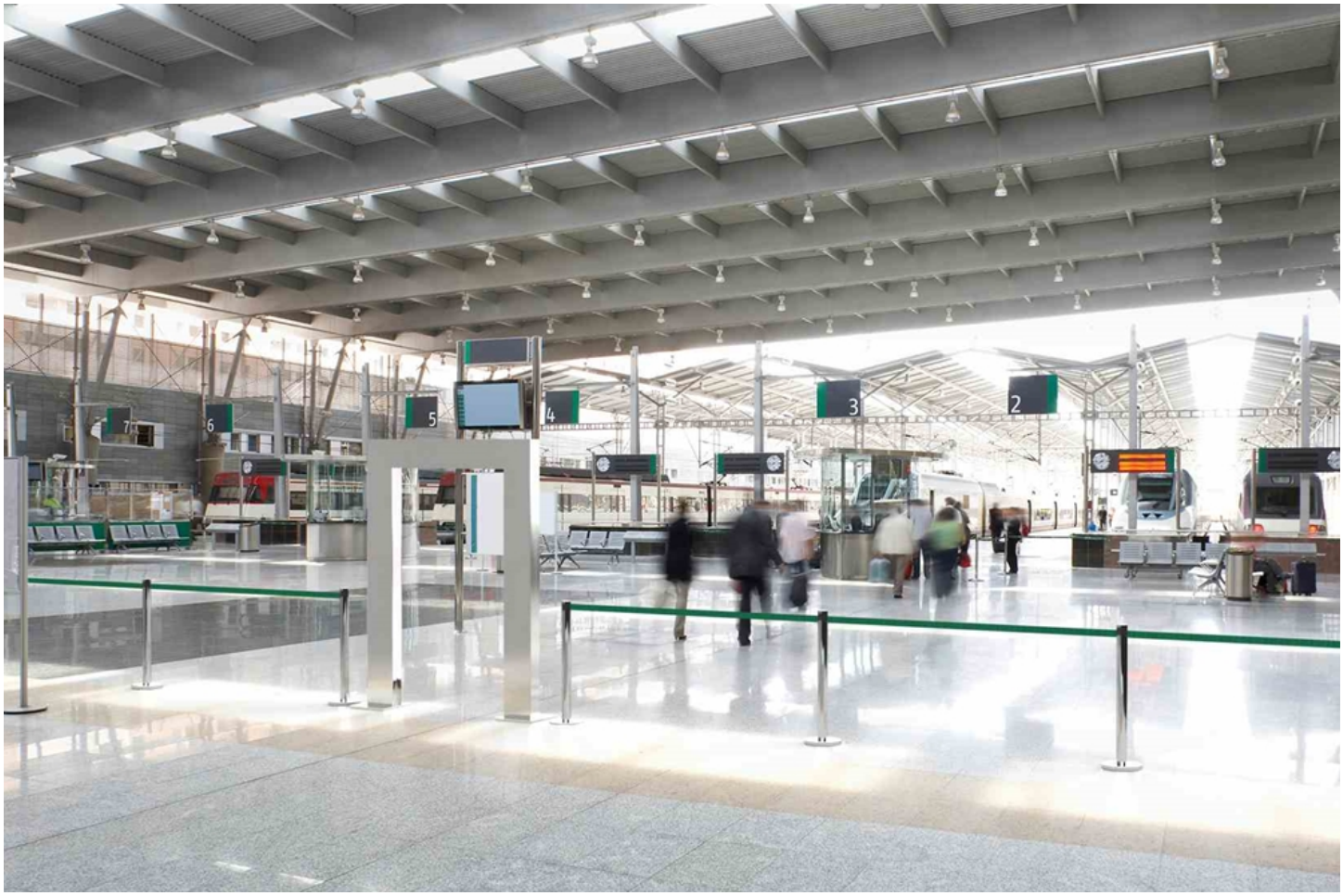
Frequently Asked Questions (FAQ)





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Product ID: 268236

Export Control Classification Number (ECCN): EAR99

Options:

IND-DWG-FUVC-5X-R1-120V-25C-Cord Cap

Example: IND-DWG-FUVC-5X-R1-120V-25C-5.15

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
UK BS1363	-BS1363
INTL SCHUKO	-Schuko
PIGTAIL	-Pigtail

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**
- **Catalog Page - Product Series**
- **Certificate 1, Misc**
- **Certificate 4, Misc**
- **Dimensional Drawing 2D**
- **Eye Safety Information/Certificate**
- **Lighting Facts & Information**
- **Operations Manual**
- **Spectrum Curve (Wavelength Graph)**
- **USA NEC Certificate (Commonly referred to as UL Certificate)**
- **Wiring Diagram (Oneline)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **Video1**
- **Video2**
- **Video3**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**