Larson Electronics LLC
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Phone: 800.369.6671

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Email: sales@LarsonElectronics.com
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IND-24-2L-BL-FUVC

20W Weatherproof Far-UV-C Fluorescent Light - 2 foot 2 Lamp - Far-UV-C Bulbs - Kills 99% of Viruses

Product ID: 267698



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-24-2L-BL-FUVC Fluorescent Far-UV-C Fixture
Surface Mount Dimensions: 30.00"-L x 7.06"-W x 8.42"-H
Pendant Mount Dimensions: 30.00"-L x 7.06"-W x 6.65"-H
Weight: 19.8 lb
Voltage: Universal 120-277V AC 50/60 Hz - Remote Power Supply
Total Watts: 20W
Total Radiant Intensity: 8.04W (4.02W per lamp)
Lamp Life Expectancy: 10,000 Hours
Irradiance (per lamp): 40 uW/cm2 @ 1.57"
Light Color: Far-UV-C
Wavelengths: 222nm
Beam Angle: 180°
Housing Material: Extruded Aluminum - Copper Free
Lens Material: Borosilicate Glass
Gasket Material: Neoprene
Mounting: Surface Standard - Pendant Optional
Wiring Hub: 1/2" or 3/4" NPT

Ratings/Approvals
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
NRTL Certified to UL 1598 Marine Type

Special Orders - Requirements
Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-214-616-6180
Fax: 1-903-498-3364
E-mail: sales@larsonelectronics.com

Please note: This product produces UV light. 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 IND-24-2L-BL-FUVC from Larson Electronics is a Weatherproof Far-

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UV-C Fluorescent Light Fixture that is designed as Far-UV sanitation lights to kill 99% of viruses, bacteria, mold, and spores. This fixture uses a special ballast and bulb combination to produce light in the ultraviolet spectrum.

Please note: This product produces UV light. 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

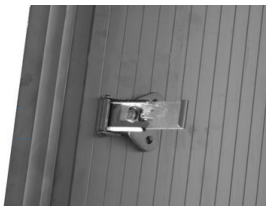
The IND-24-2L-BL-FUVC fixture is a 2 foot long, 2 lamp, weatherproof Far-UV-C fluorescent light that emits Far-UV-C light with a wavelength of 222nm for germicidal and sanitation purposes. This far-UV fixture features two 10-watt excimer lamps that each offer 40 uW/cm2 UV intensity at 222nm UV wavelength. The ozone-free lights have an expected lifespan of 10,000+ hours and emit a flood beam pattern with 180 degrees of coverage. The lamps are protected by an aluminum framed hinged glass door secured with four turn latches and the fixture is constructed of copper free aluminum alloy. The lamp reflector is corrosion resistant heavy gauge aluminum and coated with a high gloss reflective finish. This fixture, like our other Far-UV lights, operates on 120 V AC only. A remotely mounted power supply provides power to the fixture. The power supply is mounted separately from the lamp enclosure. The IND-24-2L-BL-UVC provides operators with a reliable and durable Far-UV-C sanitation lighting solution for open areas.

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.

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.



Click Photo to Enlarge



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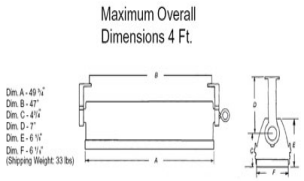
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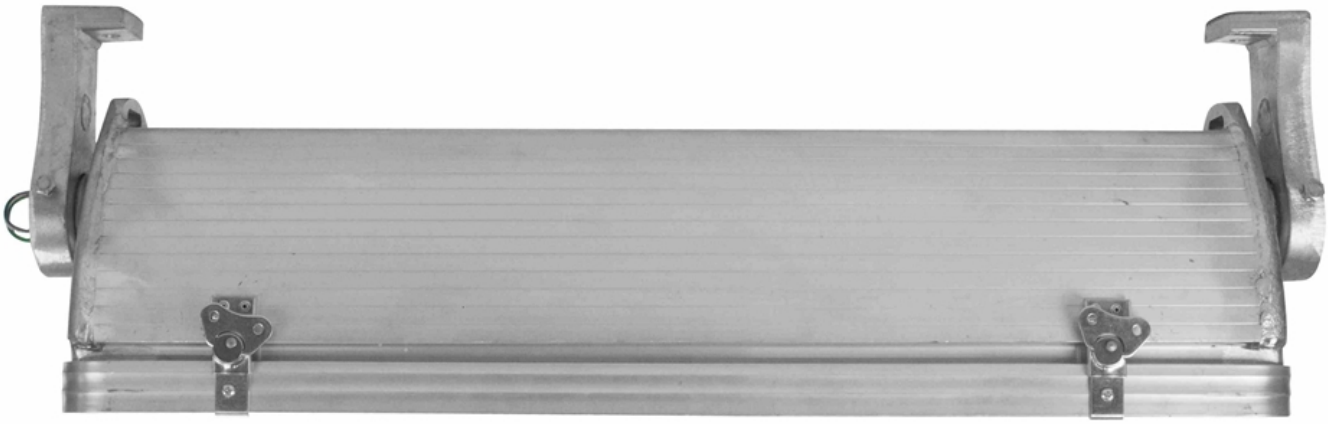
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Standard Surface Mount Brackets: Each L bracket is cinched to the bracket mounting peg on each side of the light. The angle of the bracket is set by tightening two cap screws on either side of the bracket. The cap screws act as a set screw. The bracket itself is mounted via a single bolt hole at the top the bracket. There are two brackets, one on each end of the light. Once the brackets are mounted to a surface (ceiling, floor or wall), the light fixture can be removed from the brackets by loosening the cap screws that hold the bracket to the mounting peg. Mounting brackets are removable. A single through hole enables the operator to install the light to any surface. A sliding bracket mount is available so operators can retrofit this LED light fixture to use the per-existing mounting holes from other fluorescent fixtures. The sliding mount brackets are available in the related items order section below..
Note on Environment: Sunlight and visible light fixtures do not impact the effectiveness of the disinfecting on this Far-UVC sanitation product. Metal halide, high pressure sodium, fluorescent, and LED light fixtures can be left on. The Far-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. The Far-UV radiation is harmful to the eyes and skin, and that is why you should not be in the area while it is in operation. Please see user manual for additional safety information.
Suggested Applications: Far-UV-C sanitation and germicidal applications in hospitals, warehouses, clinics, nursing homes, food manufacturing, and more.
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.









Certification

Manufacturer: Larson Electronics LLC
Address: 9419 US-HWY 175
Kemp, Texas 75143

Declare the following equipment conforms to the standard(s) as listed:

Model: IND Series
Description: UV Light Machines and Light Fixtures

Evaluated Listings:

The IND Series UV Light Machines and UV Light Fixtures are certified to UL 508A and CSA C22.2 No 14 for industrial controls. Larson Electronics LLC is a certified “panel shop” and is certified for our engineering and manufacturing processes. Each unit is built to NEC and CEC electrical code. All electrical components used in the IND product line are certified to National Electric Code (NEC) for United States and Canadian Electric Code (CEC) for Canada. This includes all ballasts, sockets, tombstones, internal wiring, external wiring, buttons, relays, cord caps, and wire terminations. This is a requirement for our panel shop certification. Instead of certifying each part number, our shop is certified for our processes. This allows us to manufacture custom systems without the time delays associated with certifying each part number. Our shop undergoes regular audits for panel shop processes.

Each unit is inspected by our quality control department before shipment. Larson Electronics is an ISO 9001:2015 certified shop for quality control. Our shop undergoes regular audits for quality control processes.

Signed for and on behalf of: Larson Electronics, LLC
Place of issue: Kemp, TX

Signature: James Thomas

Name: James Thomas
Position: Operations Manager

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Product Description

Title:	INDUSTRIAL CONTROL PANELS
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Industrial Control Panels For General Use.
Evaluated to the following:	A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Industrial Control Panels (UL-508A) and are identified with the ETL Listed Mark.

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Product Description

Title:	INDUSTRIAL CONTROL EQUIPMENT
Company:	LARSON ELECTRONICS LLC - Kemp, TX USA
Product Information:	Industrial Control Panels For General Use. Industrial Control Panels Relating to Hazardous (Classified) Locations, Custom Industrial Control Panels. Power Distribution System, Model Nos. MGL, MPD, MGS series; Followed by AAK-PBB.FFF-SCC.GGG-EEXCCC.DDD; Where AA = 2,3,5,7,9,15,20,25,30,45,50,75; BB = 1P, 3P; FFF = 480,240,208,120; CC = 1P,3P; GGG = 480,240,208,120; EE = # of outlets; CCC = voltage; DDD = outlet amperage.
Evaluated to the following:	A representative sample of the listed devices have been tested, investigated and found to comply with the requirements of the Standard(s) for Industrial Control Equipment (CAN/CSA-C22.2 No. 14) and are identified with the cETL Listed Mark.

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