



DLX-N™ – DUAL LAMP HIGH OUTPUT NEMA FIXTURE

BENEFITS

- Dual, high output lamps
- Perfect for airborne pathogen inactivation
- NEMA-4 design installs outdoors or indoors
- Easily installs to return, supply or exhaust ducts
- 360° UV-C distribution
- 120-277V power supply
- Integrated lamp/ballast monitoring with BMS output
- Chemical and ozone-free operation
- Improves indoor air quality (IAQ)
- Destroys coil/drain pan microbial growth
- Restores AHU capacity and efficiency
- Industries lowest cost of ownership
- 3-year fixture and ballast warranty; 1-year lamp warranty

UV-C's germicidal ability to disinfect and degrade organic material is well-established in both research and application (ASHRAE, Science, GSA and the CDC). UV-C is the go-to technology for inactivating pathogens and protecting occupants in indoor environments from the spread of infectious disease.

Besides disinfecting airstreams, UV-C has decades of proven history of keeping coils, drain pans and other internal air handler components free of microbes, organic dirt and grime — materials that produce odor, reduce airflow, limit cooling capacity and diminish worker productivity.

UV-C systems are widely used in commercial buildings, restaurants and hospitals to disinfect HVAC airstreams, cooling coils and drain pans to keep them free of microorganisms and other organic debris that reduce airflow and limit evaporator coil heat-transfer efficiency. UV-C stops the proliferation of infectious or allergenic agents and lowers the cost of maintaining and operating HVAC equipment.

UV Resources' Dual Lamp high output NEMA-4 fixture (DLX-N) delivers the necessary UV-C dose to inactivate pathogens in virtually any airstream, while offering industry-leading performance, reliability and cost of ownership. The DLX-N is constructed of premium materials with powder coated heavy-gauge steel designed to withstand virtually any environment. Power supplies are waterproof and UV-C germicidal lamps are high output, high-efficiency, low-waste content products that surpass today's environmental standards and available with protective FEP coating.

Application:

The DLX-N fixture meets all ASHRAE guidelines and is suitable for most UV-C applications. Fixtures install from the exterior of HVAC equipment or ducts to achieve the specified irradiance and dose. They can be installed in supply, return or exhaust plenums and ducts, to disinfect moving airstreams and/or surfaces to prevent microbial proliferation and transfer to conditioned spaces, and to preclude the buildup of organic materials. A variety of sizes and smart multi-voltage (120-277V) options allow for an easy installation in nearly any application.

REPRESENTED BY:

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CONSTRUCTION

FIXTURE are factory-assembled and tested and feature a powder coated, galvanized steel NEMA-4 housing, a “waterproof” power source, LED lamp/power supply monitor and two high output UV-C lamps. Construction is designed to withstand outdoor or indoor applications.

HOUSING is constructed of powder coated heavy-gauge galvanized steel with 1 - 1/2” conduit knockout on the fixture’s base for hard-wiring, or an appropriately size hole can be made with a step-down drill bit to allow for a waterproof conduit connection. The fixture is designed to be mounted and serviced from the exterior of its installation site; such that, the lamps protrude into the plenum or duct. It can be externally mounted anywhere in an HVACR system, ducts or as shown on system plans.

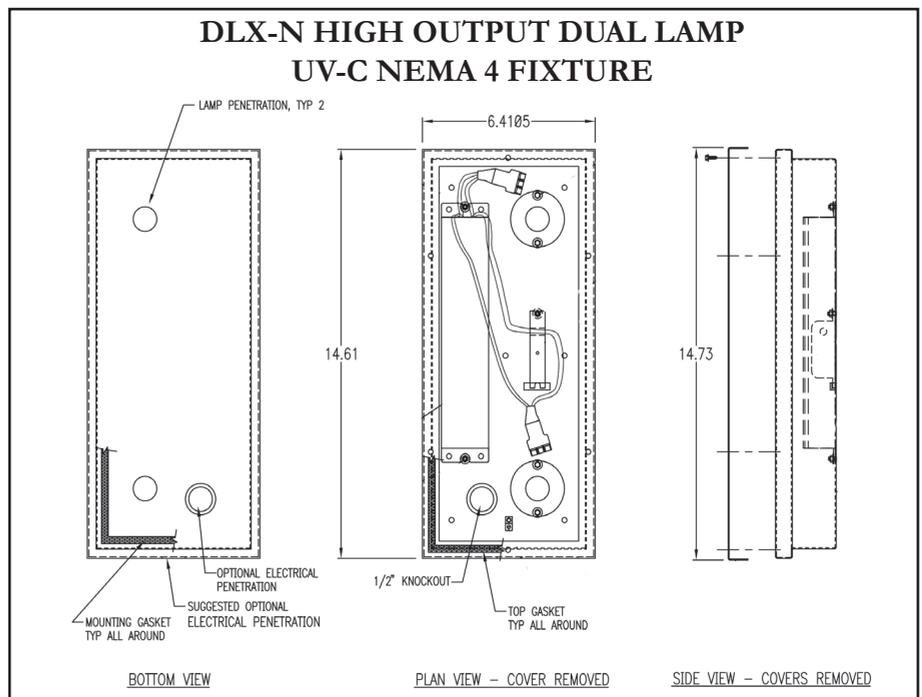
POWER SUPPLY is a waterproof, Type 1, outdoor, high-power factor, electronic rapid-start type with overload and end-of-lamp-life circuit protection that maximizes lamp radiance, life, and system reliability at temperatures of 1–70° C (33-158°F). Input: 120-277Vac, 50/60 Hz, with a sound rating of A.

SOCKETS are standard 4-pin types constructed of a UV-C-resistant polycarbonate for long life.

LAMPS are non-proprietary, single ended, very high output, hot cathode, T5, O8 4 pin, base types that produce broadband UV-C between 250–260 nm. Lamps are coated with EncapsuLamp™ (FEP) for protection in case of accidental breakage. UV-C lamp produces the specified output at any airflow velocity and temperatures of 1-77° C (33-158°F). Lamps are

standard non-ozone producing types. Minimum useful lamp life is 9,000 hours, with no more than a 15% output loss, depending on conditions.

INDEPENDENT TESTING is in conformance with all safety requirements of Underwriters Laboratories (ABQK). UL listing pending.



ORDERING INFORMATION

Model #	P/N	Description	Electrical	Wt.
DLX-N-HO-120-277	55806550	DLX-NT™ Single Ended HO Fixture	120-277V 50 Hz/60 Hz	6 lbs
SEL-12RL-T5O8-HO-1-EL	82685121	12" EncapsuLamp - O8 Base		2 lbs
SEL-16RL-T5O8-HO-1-EL	82685161	16" EncapsuLamp - O8 Base	-	2 lbs
SEL-20RL-T5O8-HO-1-EL	82685201	20" EncapsuLamp - O8 Base	-	2 lbs
SEL-24RL-T5O8-HO-1-EL	82685241	24" EncapsuLamp - O8 Base	-	2 lbs
SEL-31RL-T5O8-HO-1-EL	82685311	31" EncapsuLamp - O8 Base	-	2 lbs

The health aspects associated with the use of this product and its ability to aid in the disinfection of environment air have not been investigated by UL. Air duct mounted accessory with respect to electric shock, fire and casualty hazards only.

The UVR website contains tools that let you select, specify, and/or purchase complete UV-C systems. You'll also find valuable content that will help simplify installation, operation, and maintenance of UV-C systems. For more information, go to uvresources.com

Specifications subject to change without notice.

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