

Better Buildings Start With Single-Ended UVC Fixtures

Applications

The SLN [X] single lamp very high output (VO) NEMA-4 fixture efficiently and affordably delivers UV-C to disinfect HVACR airstreams, cooling coils and drain pans to keep them free of infection-causing and efficiency-robbing microorganisms and organic matter (biofilm).

The SLN [X] fixture's VO lamp protrudes from the exterior of supply, return or exhaust plenums or ducts, RTUs, AHUs or where it can best treat surfaces and the airstream with 360-degrees of high germicidal output. Its NEMA-4 outdoor rating provides a versatile means of delivering UV-C in order to inactivate pathogens on virtually any indoor or outdoor HVAC system or duct.

With lamp sizes ranging from 16- to 61-inches, the SLN [X] meets a full-range of new/retrofit applications including in airstreams of 33°F to 170°F, 100% RH, and any velocity.

The SLN [X] is constructed of premium materials with powder coated heavy-gauge steel designed to withstand virtually any environment. The power supply is waterproof and the UV-C germicidal lamp is very high output (VO), high-efficiency, low-waste content products that surpass today's environmental standards and come standard with protective FEP lamp coating.

A variety of sizes and smart multi-voltage (120-277V) options allow for easy installation in nearly any application.

The SLN [X] fixture meets all ASHRAE guidelines and is suitable for most UV-C applications.



Benefits

- Very high output (VO) lamps
- Perfect for surface or airborne pathogen inactivation
- NEMA-4 design installs outdoors or indoors
- Easily installs to RTUs exterior of return, supply or exhaust ducts
- 360° UV-C energy distribution
- 120-277V power supply
- Integrated lamp/ballast monitoring with BMS output
- Chemical and ozone-free operation
- UV-C Improves indoor air quality (IAQ)
- Destroys coil/drain pan microbial growth
- Restores AHU capacity and efficiency
- Industry's lowest cost of ownership



FIXTURE is factory-assembled and tested and features an outdoor-rated powder coated, galvanized steel NEMA-4 housing, a “waterproof” power source, LED lamp/power supply monitor/signal and a very high output (VO) UV-C lamp. Construction is designed to withstand outdoor or indoor applications.

HOUSING is constructed of powder coated heavy-gauge steel with 1 - ½” 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, duct 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 33-170°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.

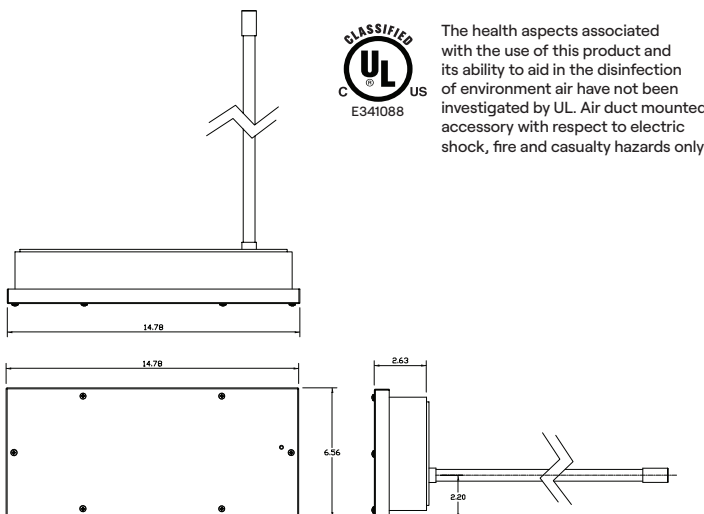
LAMPS are non-proprietary, single ended, very high output, hot cathode, T5, 4 pin, base types that produce broadband UV-C between at 254 nm. They are coated with EncapsuLamp™ (FEP) for protection in case of accidental breakage. UV-C lamps produce the specified output at any airflow velocity and temperatures of 33-158°F. Lamps are standard non-ozone producing types. Minimum useful life is 9,000 hours, with no less than 85% of original output, depending on conditions.

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

SLN [X]™ NEMA-4 -SINGLE LAMP HIGH OUTPUT FIXTURE (FOR OUTDOOR OR INDOOR LOCATIONS)

P/N	Product Description
57706550	SLN [X] Single Lamp Single Ended High Output NEMA 4 Fixture - 120-277V Lamp Lengths from 16” to 61” - includes duct mounted lamp support bracket
57700071	SLN [X] Replacement Ballast Kit (Includes CU2™, 4 pin connectors)

Order Lamp(s) Separately



SLN [X] NEW OR REPLACEMENT HIGH OUTPUT (HO) (ENCAPSULATED) LAMPS - MULTIPACKS AVAILABLE

P/N	Product Description
21000101	GTS 16 VO - Single Ended EncapsuLamp™ Single pack Includes ONE each
21000201	GTS 20 VO - Single Ended EncapsuLamp™ Single pack Includes ONE each
21000301	GTS 24 VO - Single Ended EncapsuLamp™ Single pack Includes ONE each
21000401	GTS 30 VO - Single Ended EncapsuLamp™ Single pack Includes ONE each
21000601	GTS 42 VO - Single Ended EncapsuLamp™ Single pack Includes ONE each
21000801	GTS 61 VO - Single Ended EncapsuLamp™ Single pack Includes ONE each

SLN [X] - ACCESSORIES AND REPLACEMENT PARTS

P/N	Product Description
57700071	SLN [X] Replacement Ballast Kit (Includes CU2™, 4 pin connector)
12000520	SLN [X] / SLX Duct Mounted Lamp Support Bracket
90007204	O8 to GTS Lamp Conversion Kit (10 pack) - for DLN [X] and SLN [X]

Specifications subject to change without notice. UV Resources, LLC Rev. A