

Single-Ended, Very High Output Germicidal UVC for HVAC Systems. Single lamp solution

Applications

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

The SL [X] fixture's VO lamp protrudes from the exterior of supply, return or plenums or ducts, where it can best treat the airstream with 360-degrees of high UV-C germicidal output.

With 16" to 61" VO lamp length options, superior performance at low HVAC temperatures, and a smart multi-voltage (120-277V) power supply, the SL [X] meets a full-range of new/retrofit applications including airstreams of 33°F to 170°F, 100% RH indoor, and any velocity.

The SL [X] is constructed of premium materials with heavy gauge 304 stainless-steel for sustainability in all environments. Its 120-277V power supply is waterproof and UV-C germicidal lamps are very high output FEP encapsulated, high-efficiency, low-waste content products.

Installed near HVAC cooling coils, the SL [X] works to improve heat transfer efficiency, reduce energy use and lower maintenance costs.

The SL [X] is used in virtually any HVAC indoor application, including in light-commercial, commercial, industrial, healthcare and manufacturing applications.



Benefits

- Exterior Mounted -Installs quickly and easily anywhere
- Lamp lengths from 16" to 61"
- Duct mounted lamp support for longer lamps
- Very High output lamps used for on-the-fly applications
- Standard with EncapsuLamp™ (FEP sleeving)
- 120-277V Waterproof Power Supply
- CU2™ Lamp/Ballast monitoring with BMS Capability
- Typical installs provide 360° UV-C Distribution
- UV-C Improves indoor environmental quality (IEQ)
- Destroys coil/drain pan microbial growth
- Restores AHU capacity and efficiency
- Industries lowest cost of ownership
- Non-ozone Lamps

FIXTURE is factory-assembled and tested. It has a 304 stainless steel housing, duct-mounted stainless steel lamp support, “waterproof” power source, 4-pin lamp socket, LED lamp/power supply monitor, an on/off toggle switch and FEP coated very high output lamp. Construction is designed to withstand typical HVAC/R environments.

HOUSING is constructed of heavy-gauge 304 stainless steel with conduit access on the housing’s bottom for hard or soft wiring. The fixture is designed to be mounted and serviced from the exterior of its installation site; such that, the lamp protrudes into “conditioned” air. It can be externally mounted anywhere in an HVAC/R system 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°F to 170°F. Input: 120-277V, 50/60 Hz, with a sound rating of A.

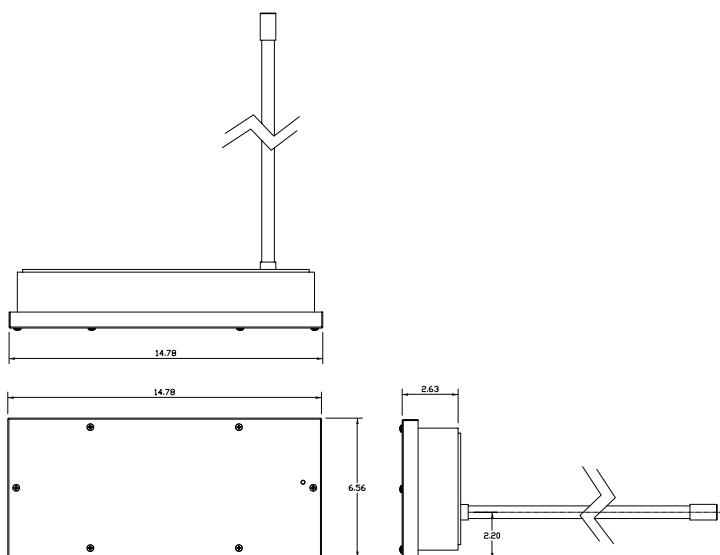
SOCKETS are standard 4-pin type constructed of a UV-C resistant polycarbonate for long life and serviceability.

LAMPS are non-proprietary, single ended, very high output, hot cathode, T5, 4 pin, base types that produce broadband UV-C at 254 nm and produce the specified output at any airflow velocity and temperatures of 33°F to 170°F. They are sleeved with EncapsuLamp™ (FEP) for protection in case of accidental breakage and are nonozone producing types. Minimum useful lamp 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).

ENHANCED SINGLE ENDED FIXTURES (SL [X]™) - LAMP SOLD SEPARATELY, ONE PER FIXTURE - FOR INDOOR USE

P/N	Product Description
11003000	SL [X] SINGLE ENDED FIXTURE - 120-277V- includes duct mounted lamp support bracket



ENHANCED SINGLE ENDED FIXTURES (SL [X]) NEW OR REPLACEMENT HIGH OUTPUT (HO) UV-C LAMPS - MULTIPACKS AVAILABLE

P/N	Product Description
21000701	GTS 12 VO - Single Ended Encapsulamp™ Single pack Includes ONE each
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
21000501	GTS 36 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

SL [X] - ACCESSORIES AND REPLACEMENT PARTS

P/N	Product Description
10000199	SL [X] Replacement Power Supply Kit 120-277V (CU2 preinstalled)
12000520	SLN [X] / SLX Duct Mounted Lamp Support Bracket



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.