

# **Ultraviolet Light Specification**

## **Coil Capacity Maintenance and Mold Control**

### **SLX™ Single Lamp High Output Fixture**

**Fixture** is factory-assembled and tested. It has a powder coated galvanized steel housing, a “waterproof” power source, lamp socket, FEP coated lamp and LED lamp/power supply monitor. Construction is designed to withstand typical HVAC/R environments.

**Housing** is constructed of heavy-gauge powder coated galvanized steel with 4 – ½” or ¾” conduit knockouts on the housing’s bottom, sides and end 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 1–70° C. Input: 120-240VAC, 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 and serviceability.

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

**Independent Testing** is in conformance with all safety requirements of Underwriters Laboratories (ABQK).