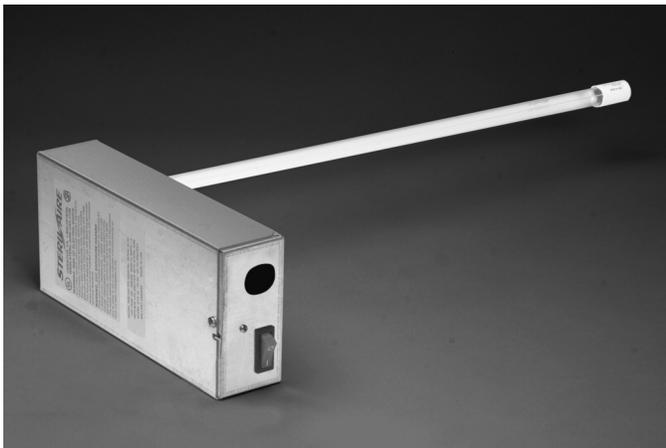


STERIL-AIRE®

UVC for HVAC™

SteriLight I™ Model RSE I Series UVC Emitters™

Very High Output
Germicidal Light Source
for Residential Systems



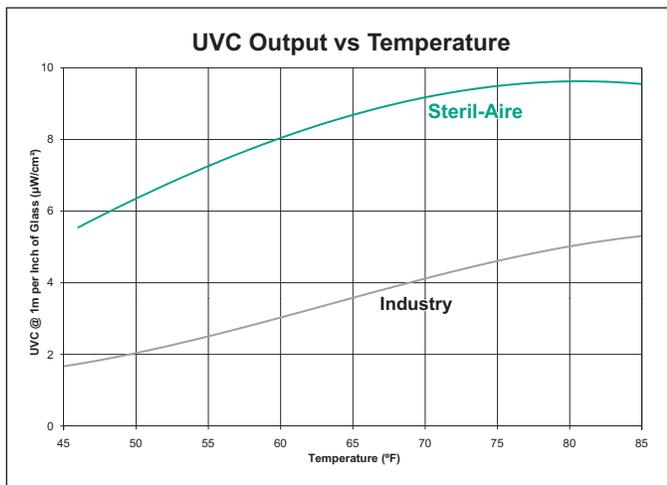
by contrast, has a 12-month service life – and even after a full year, it has 3 times greater output than competitive devices deliver on Day 1! As a result, only Steril-Aire can ensure the germicidal performance you need.

Applications

SteriLight Model RSE I fixtures are designed for new and retrofit residential and light commercial applications, including “N” style, “W” style, slab and counter-flow “A” coils. The single-tube devices are easily installed by making a one-inch hole in the coil box, attaching the fixture with self-tapping screws, and wiring as required (soft or hard wired). Only the Emitter penetrates into the system, while the power supply remains external. Choose from four Emitter lengths (12", 16", 20" and 24") and a universal 120-277 V power supply.

Benefits

- Reduces energy costs by restoring heat transfer and net cooling capacity.
- Uses germicidal UVC irradiation proven as an effective inactivation method for mold, bacteria and viruses.
- Eliminates costly cleaning programs and the use of harmful chemicals and disinfectants by continuously cleaning coils, drain pans, plenums and ducts.
- Delivers an average of 3 times the output of competitive UVC products at HVAC operating temperatures, for 3-4 times longer life and more reliable germicidal control.
- Offers lowest life-cycle cost of any UVC product. Return on investment is often less than one year.
- Uses patented state-of-the-art solid-state electronic power supply for enhanced reliability and performance.
- Produces no ozone or other secondary contaminants.
- Installs quickly and easily.
- Improves Indoor Air Quality (IAQ).



Steril-Aire’s multi-patented UVC Emitter™ provides the best and longest-lasting UVC performance available. As shown in the comparison graph (*above*), it has been independently tested to deliver an average of 3 times the output of other ultraviolet devices under HVAC operating conditions (50° F @ 400 fpm air velocity).

Competitive UVC lights must be changed every 3-4 months because they quickly lose the output or “killing power” needed to maintain microbial control. The Steril-Aire UVC Emitter,

Model RSE I Specifications

All SteriLight I™ units shall be factory assembled and tested. They shall consist of a fixture, power supply, Emitter sockets and Emitter.

The fixture shall be constructed of galvanized steel to withstand HVAC environments and shall be equipped with a 1/2" electrical conduit opening to facilitate wiring. All components shall be incorporated into one integral assembly that maximizes serviceability. It shall be designed for mounting from outside the airstream with only the Emitter in the conditioned air. The Emitter shall be held in place and

supported in the airstream by a patented integral collar, o-ring and heavy-duty fastener. The housing shall include an on-off switch and an indicator light to verify that the Emitter is functioning.

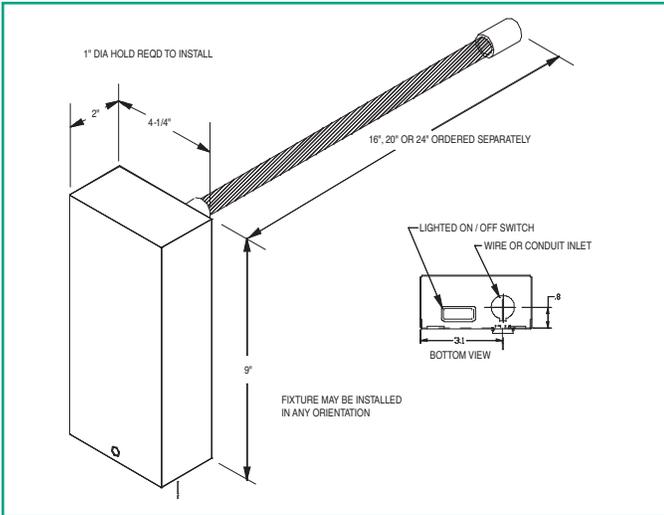
The power supply shall be a Class P2, electronic rapid start type with a power factor of >0.98 and a power conversion of >90%. It shall be available in 120-277 V, 50/60 Hertz, single phase. It shall be designed to maximize photon production, irradiance and reliability in cold or moving airstreams of 0-140° F, 100% RH. The design shall include RF and EMI suppression.

The socket shall be a Circline® 4-pin type with sufficient wire length for ease of service.

The Emitter shall be a high output, hot cathode, T5 diameter, Circline® cell-base type that produces a germicidal UVC band of 253.7 nm. Each Emitter shall operate in air velocities of up to 2000 fpm and air temperatures of 35-140° F. It shall produce no ozone or other secondary contaminants.

Independent testing: The unit shall be tested by an independent test laboratory, and shall be verified to provide output per 1" arc length of not less than 6.3 μW/cm² at 1 meter in a 400 fpm airstream of 50° F.

Unit shall comply with ANSI/UL Standards 153, 1598, 1995 and CSA standards. The manufacturer shall be an ISO 9001:2008 certified facility.



This product may be covered by one or more of the following patents, others pending: 5,334,347 / 5,817,276 / 5,866,076 / 6,245,293 / 6,267,924 / 6,280,686 / 6,313,470 / 6,372,186 / 6,423,882 / 6,500,267 / 6,589,476 / 6,627,000 / 6,997,578 / 7,140,749 / 7,282,728 / 7,459,694.

Ordering Information

Model No.	Part No.	Description	Length	Electrical
RSE 1 VO	42001107	Single-Ended Fixture	N/A	120-277 V: 70 W
GTS 12 VO	21000700	UVC Emitter	12"	45 W
GTS 16 VO	21000100	UVC Emitter	16"	55 W
GTS 20 VO	21000200	UVC Emitter	20"	64 W
GTS 24 VO	21000300	UVC Emitter	24"	72 W

STERIL-AIRE®

Steril-Aire, Inc.

Corporate Office:

2840 N. Lima Street
 Burbank, CA 91504
 Telephone: 818-565-1128
 Fax: 818-565-1129

Website: www.steril-aire.com
 Email: sales@steril-aire.com






Complies with current U.S. and Canadian safety standards for use in HVAC equipment

Registered to ISO 9001:2000
 File No. A13253

Represented By: