

# FRESHER, CLEANER INDOOR AIR

## UV-C Light Kit for Renaissance™ Packaged Equipment

Sure Comfort UV-C Light Kits for Renaissance Packaged equipment enhance the comfort of any space as the kit treats the surfaces inside the unit that come in contact with indoor air. Using the proven effectiveness of UV-C energy, these UV-C light kits are an excellent solution for the growing number of organizations interested in creating healthier and safer environments through improved air quality.

UV-C energy has benefited humanity by disinfecting water, air, food and more for over a century. This technology is used worldwide in a variety of critical applications for surface decontamination and airborne disinfection of the deadliest microorganisms known.

Published research shows that UV-C not only disinfects surfaces but also destroys organic compounds. Its photo-destruction of this matter in HVAC equipment has been verified by independent research and ASHRAE.

UV systems are widely installed in hospitals to disinfect HVAC cooling coils and drain pans to treat for microorganisms and other organic debris that reduce airflow and coil heat transfer efficiency. It also lowers the cost of maintaining and operating HVAC equipment.

The UV-C light kit is constructed of premium materials such as stainless steel, polycarbonate and Teflon® for sustainability in all environments. Power supplies are waterproof and spectral lamps are high-efficiency, low-waste content products.

These benefits, along with ease of installation and low cost, make UV-C light kits an excellent choice for use in Renaissance Packaged Systems.

UV-C LIGHTS  
CAN ACHIEVE  
**INACTIVATION**  
and/or **KILL RATE OF**  
**MICROORGANISMS**  
AT RATES OF

**90%**  
OR HIGHER<sup>1</sup>

## APPLICATION

Product Models and Part Numbers

Product Platform	Unit Models	Kit Model Number	Voltage	Kit Description	Dimensions H x W x D
Renaissance 3-6 ton models	RGEC RACC RHPC	RXR-UV22C	208/230V	UV-C Light Kit	(2.3" x 21.5" x 2")
		RXR-UVCTC	460V or 575V	UV-C Transformer Kit	
Renaissance 7.5-12.5 ton models	RGED RACD RHPD	RXR-UV34D	208/230V	UV-C Light Kit	(2.3" x 33.5" x 2")
		RXR-UVCTD	460V or 575V	UV-C Transformer Kit	

## CONSTRUCTION

Fixtures are factory-assembled and tested. Units consist of a housing, "waterproof" power source, lamp sockets, quick connects and lamp. Construction is designed to withstand HVAC environments and is UL/C-UL (ABQK) listed.

Housing is constructed of heavy-gauge 304 stainless steel for rigidity and reliability. The kit ships complete with all the necessary components for install in a compatible Renaissance™ unit with a magnetic back for easy mounting.

Power supply is a waterproof, Type 1, outdoor, high-power factor, electronic rapid-start type with overload and end-of-life circuit protection that maximizes

lamp radiance, life and system reliability at temperatures of 1–70°C. Sockets are bi-pin, single-click safety, twist-lock type constructed of polycarbonate.

Lamp is a very high output, T5 diameter, medium bi-pin type that produces broadband UV-C at 253.7 nm. Each lamp produces the specified output at any airflow velocity in the temperature range of 1–70°C.

## BENEFITS AT A GLANCE

- ✓ Improves indoor environmental quality<sup>2</sup>
- ✓ Meets all "fixture" specifications
- ✓ Fixture-to-fixture Plug-n-Play
- ✓ Installs quickly and easily
- ✓ Water-proof ballast and components
- ✓ Treats coil/drain pan microbial infestations
- ✓ Increases time between coil/drain pan cleanings
- ✓ UL, CUL and other agency sanctions

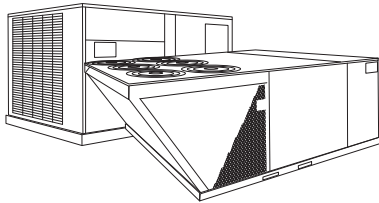
## GUARANTEED PERFORMANCE

Minimum useful lamp life is 9,000 hours and up to 18,000 when used continuously, with no more than a 20% output loss, depending on conditions.

### Warranty

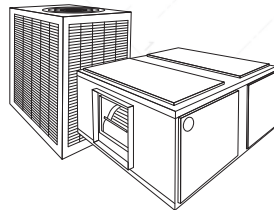
3 Years Fixture  
1 Year Lamp

## SURE COMFORT AIR PORTFOLIO



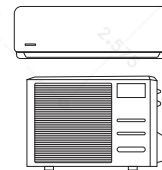
### Packaged Units

- Gas/Electric
- Air Conditioners
- Heat Pumps



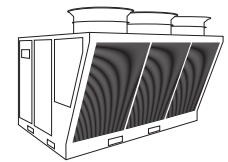
### Split Systems

- Air Conditioners
- Heat Pumps



### Mini-Split Systems

- Single Zone Systems
- Multi Zone Systems
- Low Ambient Heating



### Indoor Air Quality

- DOAS
- MERV 8 and MERV 13
- UV-C Light Kits



Real People. Real Savings. Real Fast.™

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## Dependable and Durable Performance

Sure Comfort® has a proven record for bringing innovative air solutions to homes and businesses around the world. Manufactured in Fort Smith, Arkansas, Sure Comfort Commercial Air has research, design, manufacturing, and Innovation Learning Centers throughout North America with products available nationwide through our extensive distributor network.

Sure Comfort Commercial Air products are designed using our unique 360+1 Design Philosophy that embodies our commitment to examine every aspect of all products developed from every angle to ensure the highest standards in performance, installability, serviceability, and durability are delivered.

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<sup>1</sup>Per ASHRAE Position Document on Filtration and Air Cleaning (2015-2021), effectiveness depends on type of microbial contaminant, lamp and environmental conditions. <sup>2</sup>The health benefits associated with the use of this product and its ability to aid in the disinfection of environmental air have not been investigated by the UL.