

Maintenance:

Typical maintenance of the Solaris is recommended replacement of the UVC Lamp every 27,000 hours approximately 3 years, for optimum results change lamps every 2 years

UV lamps undergo a photochemical process during operation. This slowly reduces the amount of UV light generated to disinfect against airborne pathogens.

Important:

When installing new lamps, ensure that the lamp glass is free from any fingerprints or debris, as this may alter the path of the UV energy. Use rubbing alcohol and a dry cloth to remove any surface contaminants.

Replacement Lamp Log Sheet:

Included with the product is a replacement lamp log sheet. It is provided as a label so it can be attached near the installation to ensure lamp replacements are being tracked.

Replacement Lamp Part Number:

14" NON-Ozone Full Spectrum UVGI Lamp 2998 compliant..... AS-IH-1024



NEVER LOOK AT AN OPERATIONAL UVC LAMP WITHOUT EYE PROTECTION. Direct exposure of skin and eyes to UVC radiation from UVC lamps may cause painful eye injury and burn-like skin reactions.

Warranty:

Solaris features a 10 year warranty from date of installation (minimum expected lifetime of product within normal operating conditions) with the exception of the ultraviolet lamp(s), which are warranted for a period of one year after date of installation.

This warranty does not include damage to the unit from accident, misuse or improper installation.

If this product should become defective, Ultravation will elect to repair or replace the product free of charge. Ultravation will return repaired or replaced warranted products pre-paid to the customer, provided that the product was delivered pre-paid.

Ultravation shall have no responsibilities for charges incurred by the customer for installation or removal of warranted items. Liability is limited only to the replacement or repair of this product.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state. All returns must be accompanied by a return authorization number, which may be obtained by contacting Ultravation, Inc.

Ultravation, Inc.

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Installation and Owners Manual

Model : SLX-CAT-24-I

***Whole House PCO air purification system
Equipped with 3 panel activated carbon with 4 pin
needle point ionization including UVGI NON-ozone
germicidal long life 27,000 hour UVC lamp.***



24 VAC operation

Mounts within the duct work of any HVAC system

1 system per up to 6 ton capacity



Ozone free,

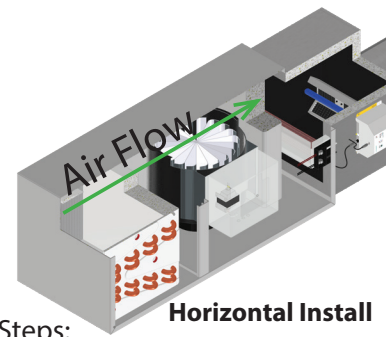
Ozone emissions measured from Solaris SLX-CAT-I carbon capture PCO purifiers do not exceed 0.005 PPM as tested in accordance to the UL 867 standard.

Package Contents:

- SLX-CAT-24-I Solaris photo catalyst module.
- Four self tapping mounting screws P/N HD-PP-0104
- Two lamp mounting screws P/N HD-PP-0005
- 1 14.5" non ozone UVGI lamp P/N AS-IH-1024
- One 6 ft 2 conductor power cord P/N AS-IH-0005
- One Y cable for splitting power P/N EL-OH-0080
- One 24 VAC multi tap step down transformer P/N 94-041
- Two Wire nuts (Orange)P/N EL-PP-0012
- One duct board mounting plate P/N SM-IH-0018

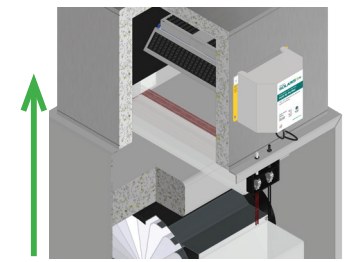
Also Included:

- UVC warning label
- Replacement lamp log sheet
- Warranty card
- Duct board sealing tape
- Cotton glove
- Warning labels



Horizontal Install

Steps:



Air Flow Vertical Install

Safety Precautions:

It is recommended that this unit be installed and maintained by a trained technician.

WARNING: UV Hazard. Always protect eyes from ultraviolet light. NEVER look at UV lamps in operation. Unplug or disconnect power before lamp replacement or servicing.

WARNING: Severe eye damage or temporary blindness may occur.

WARNING: DO NOT operate outside of air handler.

WARNING: No openings should be allowed which would give direct line-of-sight to the UV light.

Note: In the event of accidental breakage or replacement of the ultraviolet lamp, please ensure that the lamp is disposed of in accordance with local and state environmental laws regarding fluorescent lamps containing mercury.

Notice: All wiring inside of the air handler in direct line of site of the UV lamp must be shielded with aluminum foil tape or equivalent non-combustible material. When installing this unit, select a mounting location that prevents ultraviolet light exposure to synthetic or other plastic components with unknown resistance to ultraviolet light. Ultraviolet light may cause color shift or structural degradation of plastic internal components.

Disconnect power while performing installation

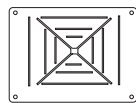
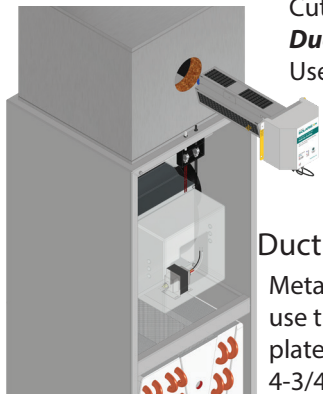
Installation:

Metal Plenum:

Cut a 4.5-5" diameter circle.

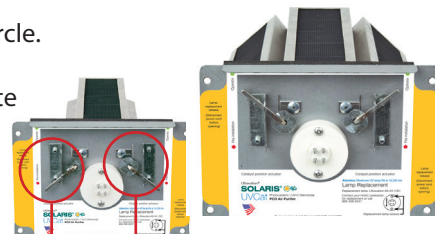
Duct board:

Use supplied metal plate



Duct board plate

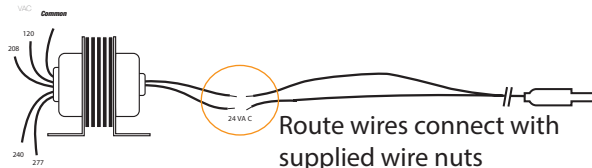
Metal tabs fold in, use the flat as a template. Cut a rectangle 4-3/4" W x 4-1/4" H.



Important!

Lever down for installation. Open after for proper air flow.

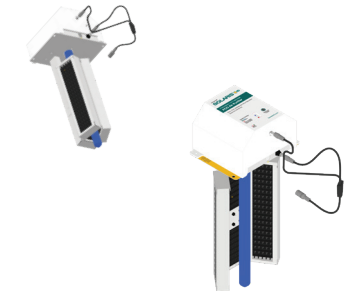
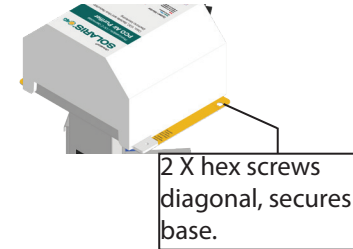
Install transformer per local code. Typically in the electronics area of the HVAC system. Choose the proper incoming voltage. cap any unused wires.



Route wires connect with supplied wire nuts

Locate a section of duct that will allow for the installation of the purifier. Typically this would be the supply "exit" side plenum.

1. Mechanically mount the product using 2 of the 4 hex screws. Note the white cover has two mount tabs; do not use those yet.
2. Install the lamp using supplied 2 screws. Hand tighten only. Use cotton glove to remove finger prints or debris.
3. Make sure actuator levers are in the upright position see lower left. **DO NOT** open the carbon panels any other way, damage may occur.
4. Install the white electronics enclose using the remaining 2 hex screws.
5. Connect the 6 foot cord to the Y connector.
6. Plug each Y into the ports on the purifier.
7. One is on the white power head one is on the metal base attached to the plenum.



This product is designed to be powered on constantly. The service life for the UVC lamp is 27,000 hours or approximately 3 years. The ionization component does require maintenance and has an effective life of up to 10 years. It is recommended that all installation and service be performed by a licensed HVAC professional.

