

The SpeedLight™

Installation Instructions & Consumer Information

Section I. Important Installer Information

The SpeedLight UVC Air Purifier is designed for HVAC air stream disinfection and surface irradiation. The 36 watt single-dual UVC lamp is a powerful tool for improved indoor air quality. The Speedlight UVC Air Purifier can be installed in the HVAC ductwork on either the return or supply side of the furnace or air handler for air stream disinfection or on the coils for surface irradiation.

WARNING

- Do not install in such a way that UV light is visible.
- Do not install in outdoor applications.
- Do not expose wiring or plastic to UV light.
- Do not install beneath a humidifier.
- If installed near an air filter, check with the manufacturer for UV resistance.
- When viewing UV light always wear glasses as it can damage eyes.
- When installing near plastic drain pan always check with manufacturer to ascertain if pan is UV resistant.

Section II. Installation Instructions

The SpeedLight UVC Air Purifier is designed for ease of installation.

- 1) Select a location that offers sufficient space for the 3"X3" mounting plate and a minimum of 16" internal depth for the lamp. Allow sufficient clearance to remove and service the UV assembly. Installation will require 120 VAC electrical power supply.
- 2) Cut or drill a 2" round opening in the duct or plenum Insert the lamp into the hole – no screws needed. If mounting to duct board, using molly bolts is recommended.
- 3) When mounting inside the duct/evaporator coil area simply add the magnetic mounting bracket to the base of the lamp and attach to the metal – no holes or screws needed.
- 4) Select a suitable location to mount the 120 volt or 24 volt electronic ballast so that the power cord will reach the installed UV lamp. Mounting the power supply on a metal surface is recommended.
- 5) **This unit must be installed in compliance and in accordance with all national, state and local electrical codes. Failure to do so will void all expressed or implied warranty representations.**



CAUTION

Ultraviolet Light Will Cause Eye and Skin Damage – Never look at an illuminated ultraviolet lamp without UV protective glasses, such as Uvex Ultrspec 2000 S0360X. Sunglasses are not sufficient. Always unplug the lamp before servicing.

Ultraviolet Lamp May Cause Injury – Ultraviolet lamps are made of glass and therefore fragile. Safety glasses and gloves should always be worn when handling UV lamps. In addition, UV lamps can become hot and cause burns. Allow lamps to cool before handling.

Section III. Maintenance and UVC Lamp Replacement

UV lamps decline in output over time and are typically replaced before they burn out. For optimum performance, the lamp **should be replaced after 9,000 hours of operation**. This is about one year of use. Replacement UV lamps are available where you purchased your unit.

When replacing UVC lamp follow instructions below:

- 1) Make sure power is off to the furnace/air handler and the UVC lamp is off.
- 2) Remove the white lamp socket from the UVC lamp.
- 3) Insert the new UVC lamp assembly and reattach to duct or bracket.
- 4) Reattach the lamp socket making sure the lamp socket is pushed onto the metal pins tightly.
- 5) Turn on the the power to the furnace/air handler.

Section IV. Dimensions & Specifications

Dimensions

- UVC Mounting Plate: 3" x 3"
- UVC Lamp: 1.75" x 16"
- UVC Duct Opening Required: 1.75"
- Ballast (UL/ULC Listed): 4.5" x 2.5" x 1.0"

Weight

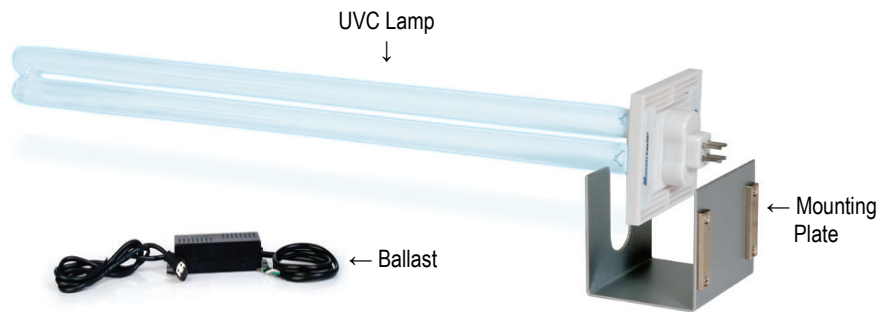
- UV Lamp Assembly: 5 oz.
- Ballast & Wire Assembly: 5 oz.

Electrical

- 120 VAC - .4/.2 Amps
- 24 VAC - 50VA transformer required (not included)

UV Lamp

- 36 watt single dual lamp



WARRANTY

The SpeedLight Electronic Ballast is warranted against defects and workmanship under normal use and service for a period of three (3) YEARS from date of installation. Lamp is covered under warranty for its useful life of **one (1) YEAR**. This warranty is provided to the original purchaser of the air purifier and is not transferable.

This warranty does not cover damage caused by handling, shipment, negligence, misuse, cosmetic damage, acts of God, connection to improper voltage, improper maintenance, or abuse. The manufacturer is not responsible for the installation of this product. This warranty does not cover faulty installation or damage to personal property resulting from incorrect or faulty installation. The warranty does not cover any labor, the cost of removal or reinstallation of the unit, or the cost of return shipping to the manufacturer.

The manufacturer's exclusive obligation under this warranty shall be to supply, without charge, a replacement for any covered component that is found to be defective within the parameters defined herein. The manufacturer reserves the right to replace or repair the defective part or component.

The manufacturer shall not be liable for any loss or damage of any kind, including any incidental or consequential damages resulting, directly or indirectly from any breach of warranty, express or implied, mis-application of the product, or any other failure of this product. The manufacturer's maximum liability shall not exceed the actual purchase price paid for the product. The warranties set forth herein are exclusive and the manufacturer expressly disclaims all other warranties, whether written or oral, implied or statutory, including but not limited to any warranties of merchantability, workmanship, or fitness for a particular use. This warranty does not obligate the manufacturer for any labor costs and shall not apply to defects in workmanship or materials furnished by the installer.

If you have a warranty claim, contact the dealer from whom you purchased the product. Proof of original purchase is required. Do not return products or parts without a Return Authorization from the manufacturer.