

The SpeedLight Jr.

Installation Instructions

WARNING:

- **Ultraviolet Light Can Be Harmful – Never look at an ultraviolet lamp, when it is on, without safety glasses. Unplug the lamp before servicing.**
- **Electrical Shock – Possible if the unit is to be wired into 24 VAC electrical power supply.**
- **Ultraviolet Lamp May Cause Injury – Ultraviolet lamps are made of glass and therefore somewhat fragile. In addition, UV lamps can be very hot and cause skin burns. Allow lamp to cool before handling.**
- **Lamp failure – Never touch lamp with bare hand as it will cause lamp failure. If touched, clean with soft cloth and alcohol, etc.**
- **Disposal – Do not place used lamp in household trash.**
- **Installation:**
 - **Do not install where the UV lamp will be visible.**
 - **Do not install in outdoor applications.**
 - **Do not expose wiring or plastic to UV light.**
 - **Do not install beneath a humidifier.**
 - **Do not install within 3 ft of an air filter.**
- **The unit must be installed in compliance and in accordance with all national, state, and local electrical and mechanical codes. Failure to do so will void all expressed or implied warranty representations.**

SPECIFICATIONS:

Dimensions:

- **Mounting Plate: 3" x 3"**
- **Duct Mounting Hole: 1"**

Electrical:

- **120 or *24 VAC ballast available**
- **UL/ULC Listed Electronic Ballast**



INSTALLATION INSTRUCTIONS:

The *SpeedLight Jr* is designed for surface irradiation. Select a mounting location that offers sufficient space for the mounting plate 3" x 3" and enough internal space for the UV lamp. In addition, allow for sufficient space for removal of the lamp assembly.

For airstream disinfection:

1. Cut a 1" round hole in duct or plenum with a hole saw or duct knife for insertion of the UV lamp.
2. Insert the lamp into the hole. Magnets on the mounting plate will hold the UV lamp assembly secure – no screws necessary. If mounting on duct board, secure unit with tape, or cut a piece of sheet metal 4" x 4" and cut 1" hole in middle. Tape sheet metal plate to duct board and insert lamp through holes.
3. If 24 VAC - Attach power supply, in a suitable location, and connect the power supply to 24 VAC power. *(The 24 VAC requires a 50 VA transformer to correctly power UV lamp.)
4. If 120/230 VAC - Connect lamp cable from power supply to lamp.

For surface irradiation:

1. Select a location that will allow maximum exposure to the coil, drain pans and internal surfaces of the air handler.
2. Attach UV lamp assembly to mounting bracket and attach bracket (with magnet on backside) to any metal surface – no holes or screws required.
3. Repeat 3 or 4 above.

REPLACING ULTRAVIOLET LAMPS:

1. READ THE **WARNINGS** ABOVE.
2. Make sure power is off to the HVAC system and the UV lamp is off before opening any service panels.
3. Remove the rubberized cap covering the center part of the lamp assembly inserted into the air duct.
4. Pull out the UV lamp assembly (the lamp assembly is held in place with strong magnets), and insert new UV lamp assembly.
5. Reattach the rubberized cap making sure the lamp socket is pushed onto the metal pins tightly.
6. Restore power to the HVAC system.



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