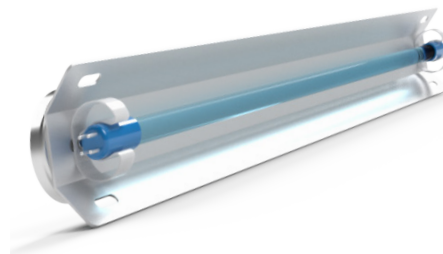


# Fighter Flex – UV Air HVAC

Specifically designed to disinfect the air and coils within an HVAC system. Our modular germicidal UV-C system works with fan coils, air handling units, unit ventilators, and compact AC units.

## KEY FEATURES

- Patented Aircraft Cable UV Lamp racking for quick and easy install.
- Cables cut to fit for seamless fitment into Air Handling Unit. Up to 240" [6m]
- Toolless lamp position adjustments.
- Optional magnet racking.
- 5m [197in] lamp power cord.
- PURO Lighting UV-C lamps. [254nm]
- Optimal for retrofit or new builds.



\*DEF - Clip and Deflector shown

## UV-C BENEFITS

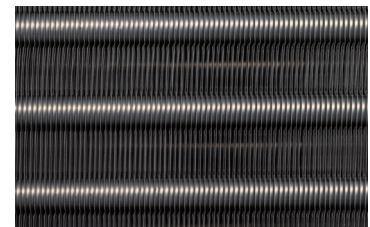
UV-C disinfection of HVAC coils inhibits the growth of molds and bacteria contributing to fouling and biofilm growth.

Clean coils allow for a more efficient system, improving thermal transfer within the HVAC unit. ASHRAE case studies have shown a savings between 15-20% energy use.

Dirty Coil



Clean Coil

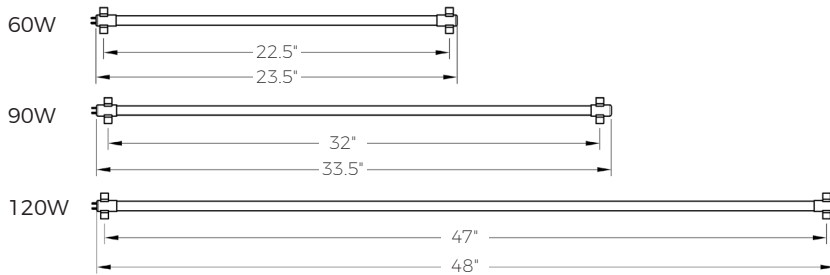


Fighter Flex UV-C Lamps	PAL-SL-60	PAL-SL-90	PAL-SL-120
Average Lamp Lifetime (hrs)	≤18,000	≤18,000	≤ 18,000
Power (W)	60	90	120
Lamp Length (in)	23.5	33.5	47
Weight (lbs)	0.165	0.22	0.33

## TECHNICAL DRAWINGS

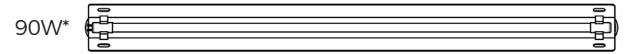
### Track/Universal Mount [TM,UM]

For use in larger HVAC/RTUs that require multiple lamps and have space for air-craft cable racking.



### Deflector Mount [DEF]

Deflectors can be used to protect sensitive material in any sized unit.



### Magnet Mount [MG]

For use in smaller HVAC/RTUs and Unit Ventilators.



\*Available for use in all lamp lengths

## SYSTEM ELECTRONICS

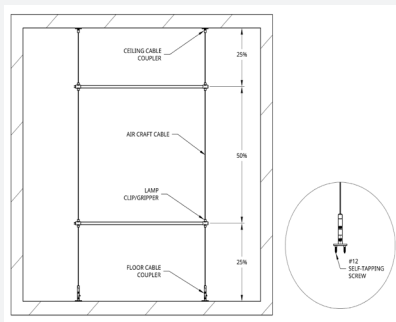
Lamps are powered via electronic ballasts. For further specifications reference Access Control System spec sheet.

- Input Voltage/Frequency: 120-277VAC @ 50/60Hz
- Lamp Quantity: 1-2 Lamps per ballast
- Ballasts are specified along with entire racking system and are housed within ballast boxes [1-7 Ballasts].
- AHU Access Control System allowing for safe entry into AHU/RTU
  - Large Systems - Relay boxes paired with magnetic switches [one per doorway] will be specified with systems that utilize multiple ballast boxes.
  - Small Systems - Mechanical switches [one per doorway] wired in-line with power entry to ballast box.

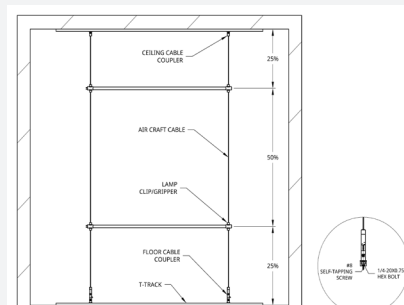
## INSTALLATION OPTION DIAGRAMS

Assemble the Kit inside the AHU, in front of the heat exchanger (coil).

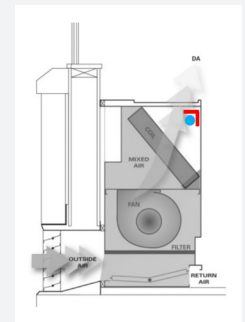
For more detailed instructions please reference the user guide.



Universal Mount [UM]



Track Mount [TM]



In Unit Ventilator [DEF]

## CUSTOM APPLICATIONS

Application Engineers available to tailor custom racking solution per your needs.

- Target specific air/surface inactivation rates for a pathogen of concern for your application.
- Full analysis returned to customer in bid package outlining; Install instructions, bill of materials, efficacy of system, and quote.

**Please contact your local regional sales director or distributor for custom solutions**