

Maintenance:

Typical maintenance of the germicidal component is replacement of the UVC Lamp. Maximum lamp life is 2 years. UV lamps undergo a photochemical process during operation. This slowly reduces the amount of UV light generated to disinfect against airborne pathogens. The typical loss is 10-15% per 9,000 hours (Approx. 1 year). Replacing lamps annually ensures maximum disinfection rates.

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.

Lamp replacement 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: LP-PP-0120

Warranty:

The UMX-EZ Series germicidal light manufactured by Ultravation is warranted for a period of 10 years after date of consumer purchase and installation (minimum expected lifetime of product within normal operating conditions). 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.

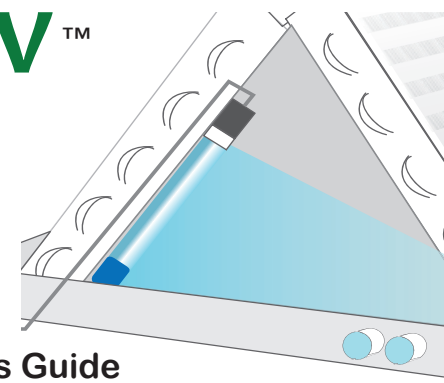
Ultravation, Inc.

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DRAINLight UV™

Keeps HVAC drain lines clear of biogrowth
UV Light for HVAC condensate disinfection



Installation and Owners Guide

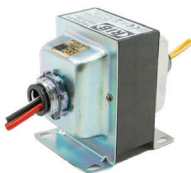


UMX244EZ-DUV: Stand-alone system includes 24 volt power supply plus 6ft cable, drain panels, UV shield, magnetic clips and power adapter.

Package contents:

- Two 4" UVC non-ozone lamps
- Two Stainless steel drain panels
- One Stainless steel mounting bracket with clips
- Two magnetic lamp mounting clips
- One strip double sided adhesive tape
- One slim line lamp lead
- One UV Warning label
- One cotton glove /alcohol pad
- One 24V power supply
- One power cord
- Two wire nuts
- Lamp replacement log sheet

This product operates on 24 VAC.
Electrical requirements:
.85 Amp@24V 20 Watt 60Hz.

PRIMARY WIRES	SECONDARY WIRES	Class 2
Brn - 277 Vac	Yel/Whit - 24 Vac	
Org - 240 Vac		
Red - 208 Vac		
Whr - 120 Vac		
Blk - Comm	Yel - Comm	

Secondary Yel/Whit wire in phase with Primary Blk wire.

Not included: 40 VA transformer
Higher value may be required when adding a second lamp

Recommended:
Separate dedicated Transformer

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 replacing lamps or servicing.

WARNING: Severe eye damage or temporary blindness may occur.

WARNING: DO NOT operate outside of air handler. Mount product in preferred location first. No openings should be allowed which would give direct line-of-sight to the UV light.

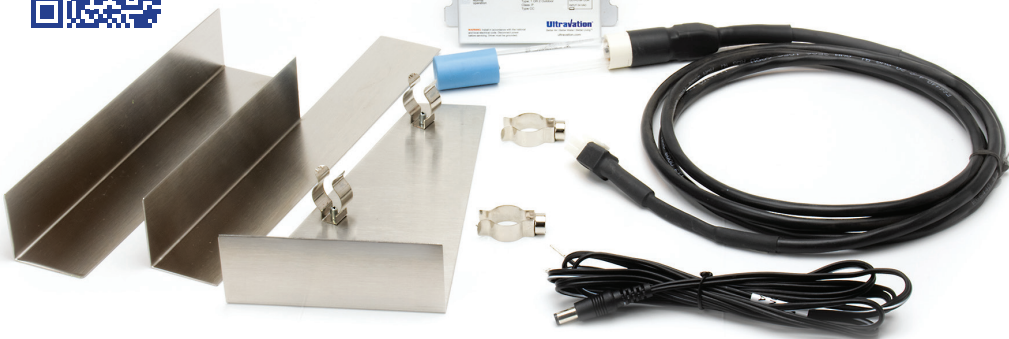
In the event of accidental breakage or replacement of the ultraviolet lamp, please ensure that the lamp is disposed of in accordance with local and state environmental laws regarding fluorescent lamps containing mercury.

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.



Scan to see more information, product testing.



Installation:

Disconnect power while performing installation.

1. Remove service panels as needed.
2. Determine the best installation location providing a direct path of the UV Lamp to the drain location being used.
3. Apply any of the Stainless drain panels if desired (panels do enhance UVC disinfection).
4. Mount the lamp using either the magnetic clips or the clip panel with lamp lead connected.
5. Route the lamp lead to the electronics compartment.
6. Install a 24 VAC output transformer (not included).
7. Use supplied wire nuts to connect the supplied power cord to the 24VAC output (polarity is not important).
8. Plug the power supply barrel connector cable into the power supply.
9. Plug the 6 pin lamp lead connector into the power supply.
10. Re apply service panels and turn on power.
11. The LED indicators on the power supply confirm operation.



Flexible mounting supplied to fit any coil application



Lamp connection



Power connection