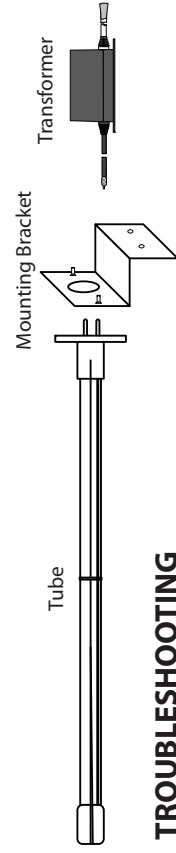


Adhere Safety Precautions/Template sticker outside of the duct near the access panel or near the location of eLIGHT UV Light and write the location of the ballast (switch) on the sticker.

<h1>eLIGHT</h1> <p>ATTENTION Turn off power to the ballast before servicing the UV light.</p> <p>WARNING UV Light hazard Harmful to bare skin and eyes. Can cause temporary or permanent loss of vision. Never look at the lamp while being illuminated. Disconnect power before performing any HVAC maintenance. Read and understand manual before operating unit.</p> <p>CAUTION UV lamp burn hazard. Harmful to bare skin. Can cause severe burns. Disconnect power and wait 15 minutes before servicing the lamp.</p> <p>CAUTION Breakable glass hazard. Can cause permanent damage. Be careful in removing/replacing lamp. Wear protective gloves when handling bulb.</p> <p>MERCURY NOTICE This device contains mercury in the sealed UV lamp. Do not place your used lamp in the trash. Dispose it appropriately. Broken lamp cleanup. Do not use a household vacuum. Sweep debris into a plastic bag and dispose properly. Contact your local waste management authority for instructions regarding recycling and the proper disposal of lamps.</p>	<p>ATTENTION Apagar para el lastre antes de servir la luz UV.</p> <p>advertencia Peligro de luz UV Perjudiciales al desnudo la piel y los ojos. Puede causar pérdida de visión temporal o permanente. Nunca mirar la luz al ser iluminada. Desconecte la alimentación antes de realizar cualquier mantenimiento HVAC. Leer y comprender el manual antes de operar la unidad</p> <p>precaución Peligro de quemadura de lámpara UV Perjudiciales al desnudo la piel. Puede romper causa quemaduras. Desconecte la alimentación y espere 15 minutos antes de servir la lámpara.</p> <p>precaución Peligro de vidrio rompible. Puede causar daños permanentes. Tenga cuidado al eliminar cambiar lámpara. Usar guantes de protección cuando maneje bombilla.</p> <p>Aviso de mercurio Este dispositivo contiene mercurio en la lámpara UV sellada. No coloque la lámpara usada en la basura. Disponer adecuadamente. Limpieza de lámpara rota. No utilice un hogar limpiab. Barrer escombros en una bolsa de plástico y disponer adecuadamente. Para obtener instrucciones sobre el reciclaje y la eliminación adecuada de luces, póngase en contacto con la autoridad local de gestión de residuos.</p>
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TROUBLESHOOTING

eLIGHT UV Light has no field -serviceable parts.

Check LED indicators on ballast to see if the problem is with ballast or with UV lamp.
 Blue LED off - UV lamp not lighting.
 Green LED off - No input power

Do not attempt to look directly into the duct to see the illuminated ultraviolet bulb.

1. Check that lamp socket is firmly engaged with the lamp.
2. Unplug and plug lamp socket back onto the lamp.
3. Check for 24V power at ballast - if applicable.
4. Check cord connectors are securely fastened.
5. Check to see if bulb has burned out (blackening) and needs to be replaced.

eLIGHT

UV Air Purification Light

INSTALLATION & INSTRUCTION MANUAL



APPLICATION

When installed at the air conditioner coil, eLIGHT UV Light helps prevent growth of surface micro -organism contaminants such as mold on the air conditioning coil and drain pan. A clean coil will restore efficiency to the cooling system. eLIGHT can also minimize unwanted odors in the air stream.

eLIGHT UV Air Purification Light Installation & Instructions

SAFETY PRECAUTIONS

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the rating given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product

Temperature Ratings :

Bulb Temperature Range (in moving air): 40 to 170F
 Ballast Ambient Temperature Range: 30 to 125F
 Shipping Temperature Range: -30 to 150F

Relative Humidity :

Up to 95% RH, non-condensing

Efficiency:

eLIGHT UV kills up to 99% of mold on cooling coils.

Electrical Ratings :

Voltage Rating: 120Vac/240Vac, 50/60 Hz.
 Input Current Rating: 750mA
 Input Power Rating: 24W max



SAFETY PRECAUTIONS



WARNING

UV Light Hazard.
 Harmful to bare skin and eyes.
 Can cause temporary or permanent loss of vision.
 To prevent exposure to ultraviolet light, disconnect power to ultraviolet system before servicing any part of heating and air conditioning system.
 Do not mount device in location that allows ultraviolet light to be seen after installation.



CAUTION

Personal Injury Hazard.
 Power supply can cause electrical shock. Disconnect power supply before beginning installation. Do not open ballast or lamp handle; there are no user-serviceable components inside.



CAUTION

Equipment Damage Hazard.
 Ultraviolet light can cause color shift or structural degradation of plastic HVAC materials.
 Select mounting location that prevents exposure to plastic components with unknown resistance to ultraviolet light. Three feet minimum is recommended where there is direct exposure between ultraviolet lamp and plastic-fabricated devices (such as humidifiers and non-fiberglass media filters).



MERCURY NOTICE

This device contains mercury in the sealed ultraviolet lamp (s). Do not place your used lamp (s) in the trash. Dispose of properly.
 Broken lamp Cleanup.
 Do not use a household vacuum. Sweep debris into a plastic bag and dispose of properly.
 Contact your local waste management authority for instructions regarding recycling and the proper disposal of old lamp (s).



CAUTION

Lamp Burn Hazard. Harmful to bare skin. Can cause severe burns.
 Disconnect power 15 minutes before removing ultraviolet lamp(s).



CAUTION

Sharp Edges Hazard.
 Can cause personal injury.
 Be careful when inserting ultraviolet device into sheet metal cutout.
 Wear protective gloves when working near sheet metal.



CAUTION

Breakable Glass Hazard.
 Can cause personal injury.
 Be careful when inserting bulb(s) into lamp base. Wear protective gloves when handling lamp (s).

INSTALLATION

Turn off power to air handler before installation.

Choose a location for mounting the handle that will allow maximum exposure to the coil, drain pans and internal surfaces of the air handler. The adjustable mounting bracket can be used to angle the lamp to fit in tight applications and to maximize exposure. Ballast can be mounted in the control panel of the air handler or outside of the duct when mounted in a weather-protected space. Make sure to mount ballast within reach of handle so 6-foot cord will reach.

Internal Mounting

For straight mounting, the lamp holder can be mounted right on the internal surface. Use self-tapping sheet metal screws to mount the handle in the desired location.

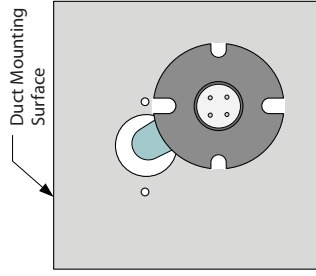


Figure 2. Direct mount to duct surface

For angled mounting, adjust the mounting bracket to the desired angle and fix in place with bolt. Use mounting screws to mount the handle to the bracket. Use self-tapping sheet metal screws to mount the bracket in the desired location.

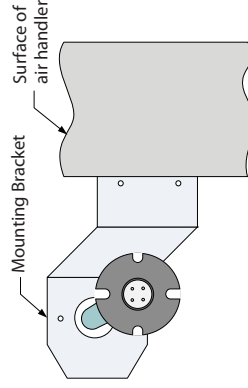


Figure 3. Angle bracket to internal mounting surface

Mount ballast in chosen location. Drill 3/4-inch hole to run cord from location of handle to ballast location. Use grommet to seal hole around cord.

WIRING

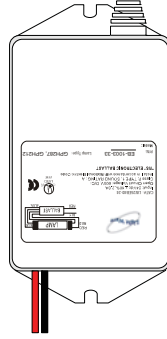
For 120V/230V system

Make sure the voltage selection switch is set to match the line voltage where the ballast is connected to. Plug in the power only after the lamp has been connected properly to the ballast. For hard wiring, it shall be installed by a qualified electrical technician

For 24V system

Turn off power to HVAC system before proceeding. Connect the 24V leads of the ballast to the 24Vac transformer. 18 gauge wire can be used to extend leads if necessary. There is no polarity so that either leads can be wired to 24V hot and common.

24Vac



System is operational when both the blue and green LED indicators are on.

MAINTENANCE

Bulb cleaning is recommended quarterly as routine maintenance. Keeping dust off the bulb will keep the UV-C intensity high and maintain the kill rate of the eLIGHT UV Light.
 Use a damp cloth to wipe bulb clean.

Bulb should be replaced every year.

1. Review Safety Precautions regarding UV-C light hazard, hot bulbs, breakable glass and mercury notice before performing any maintenance.
2. Turn power off to HVAC equipment.
3. Unplug power cord at ballast location.
4. Internal Mount: Reach through access panel and unplug lamp connector. Unscrew wing nuts and remove bulb. Protect your hands from hot light bulb.
 External Mount: Unplug lamp socket. Unscrew wingnuts and remove bulb.