The Hart & Cooley UV germicidal light system helps control airborne germs, viruses, bacteria, mold, odors, gases and allergens commonly distributed by residential and light-commercial venting systems. Ultraviolet germicidal disinfection is a proven and cost-effective method to destroy disease-carrying microorganisms that are airborne and that colonize on surfaces within all HVAC systems.

Acknowledged by regulatory and standards organizations, such as EPA and CDC, UV lights eliminate or reduce airborne microbial contamination by exposing biological contaminants to cleansing UV-C germicidal energy. Volatile organic compounds (VOCs) that pollute the air we breathe are reduced with the use of the optional GPCO (Germicidal PhotoCatalytic Oxidation) grid. The Hart & Cooley UV light system destroys or reduces the germs and other biologicals that cause sickness and infectious diseases.

Accredited in the ASHRAE Handbook, ultraviolet germicidal irradiation (UVGI) reduces microbial levels on HVAC surfaces and in the air. Install confidence with the Hart & Cooley UV light system, and you’ll greatly improve your indoor air quality.

Hart & Cooley UV Lights are proven to:
- Destroy up to 99.9% of airborne bacteria and viruses
- Eradicate mold and fungal growth
- Destroy and remove biological odors, while chemical odors can be removed with the optional GPCO grid
- Eliminate allergy/asthma causing pathogens
- Reduce nasal congestion
- Protect the whole house all day, everyday

Note: Electrostatic filters are not recommended for use with UVGI lights.
**System Features**

- Stainless steel construction.
- UL-classified as an in-duct accessory with a UL-ABQK listing.
- Redundant internal and external power switches.
- Dual-voltage, self-regulating ballast handles local voltage requirements between 120V to 250V.
- Advance PureVOLT™ electronic UV ballasts feature a 5-year, full-replacement warranty.
- Long-lasting, high-efficiency Philips twin-tube UV lamps depreciate only 15% UV (maximum).
- Philips UV lamps contain <4.5mg of mercury. Compact fluorescent lamps (CFLs) contain ~4mg.
- Hart & Cooley/Philips lamp is nonproprietary.
- 16” Philips twin-tube lamp = 32” of UV energy.
- Internal wiring features 3M solid-state connectors.
- Airtight system mounting plate.
- All hardware, signage, gloves and instructions are included.
- Made with pride in the USA.

**System Benefits**

- Noncorrosive, long life and high quality.
- UL classification provides security for both contractors and homeowners.
- Safety switches protect against accidental UV exposure.
- Single Hart & Cooley SKU model for multiple local voltage requirements.
- Ballast is perfectly factory-matched to the Philips UV lamp for high performance and germ-killing efficiency.
- Germicidal UV energy output remains highly effective over the entire 9000-hour usable lamp life.
- Low mercury content allows for safe, inexpensive disposal. Competitors’ high-mercury lamps (~20 to 30mg) are considered hazardous waste.
- Replacement lamps are readily available from all major lamp manufacturers.
- Twin-tube design provides more UV energy in a smaller space with up to twice the germicidal output of single lamps.
- All connections are designed to be resistant to vibration and high humidity.
- Mounting plate provides a professional look to the installation; wing nuts permit fast lamp replacement without tools.
- Fast, easy, professional installation every time.
- High quality assembly and components.

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**UV Light System**

*Model GL136 and Model GL236*

Duct-mounted for split HVAC systems

The Model GL comes with a 16” Philips UV lamp(s), safety signage, cotton gloves, installation instructions, hardware, and a 9’ grounded cord and plug.

**Model GPCO**

Germicidal PhotoCatalytic Oxidation Grid (also eliminates VOCs and biological odors)

The Model GPCO (Germicidal PhotoCatalytic Oxidation) grid is a noncorrosive, stainless-steel cylinder that is powder-coated with titanium dioxide and has 19 square inches of surface area facing lamps. The GPCO grid is optional as a permanent fixture for the installation of the GL series. No additional cutting or tools are required.

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**Model GRIK136**

Packaged & Rooftop Installation Kit

The Model GRIK136 kit comes with a 16” Philips UV lamp, junction box with safety switch, inspection view port, safety signage, cotton gloves, installation instructions, hardware, and a 6’ prewired aluminum flex conduit.

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**Model No.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amps</th>
<th>Nominal Watts</th>
<th>UV Watts</th>
<th>No. of Lamps</th>
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</thead>
<tbody>
<tr>
<td>GL136 120v - 250v, 50 - 60hz 9.5” x 7.25”W x 2”D Lamp extends 16.5”</td>
<td>0.56A</td>
<td>36w</td>
<td>12w</td>
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</tr>
<tr>
<td>GL236 120v - 250v, 50 - 60hz 14.5” x 7.25”W x 2”D Lamps extend 16.5”</td>
<td>0.56A</td>
<td>72w</td>
<td>24w</td>
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**Model No.**

<table>
<thead>
<tr>
<th>Description</th>
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<tbody>
<tr>
<td>GPCO 15.75”L x 3.5” diameter cylinder</td>
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**Model No.**

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<td>optional use with GL136 and GL236</td>
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*UV Light System*

*Model No.*

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<th>Description</th>
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<td>GRIK136 21”L x 3.5”W x 2.625”D</td>
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*UV Light System*

*Model No.*

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<tr>
<td>GPCO</td>
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