American Ultraviolet Kitchen Exhaust Hood Fixtures are designed to reduce odor emissions and grease deposits commonly associated with kitchen exhaust hoods. KE Fixtures also contribute to a safer kitchen environment by lessening the dangers of grease fires. Exposing airborne contaminants to UV-C light, and ozone, removes virtually all grease particles greater than 8 microns. These small, harmless compounds are then carried out with the exhaust air flow, leaving kitchen exhaust hoods free from dangerous grease, and reducing unpleasant odors from the fan discharge.

Applications
KE Series Fixtures from American Ultraviolet are ideal solutions in diners, restaurants, fast food restaurants, and commercial kitchens (including those in hotels, casinos, convention centers, resorts, etc.); industrial kitchens that produce fish and meat meals; and other environments where grease and oil are used to bake or fry.

KE Series Fixtures feature UV-C lamps, and ozone, and are easy-to-mount in two or four-lamp configurations. They may be mounted singly, or in parallel configurations in exhaust systems. The KE Series is available in five insertion depths (14”, 16”, 24”, 33” and 45”) and three voltage options (120, 208 or 230 VAC; 50/60Hz), providing installation flexibility to accommodate virtually any kitchen exhaust system.

KE Series Fixtures are designed for easy access lamp changes that do not require you to un-mount housing – simply remove the rear access panel, slide over the lamp retaining clips, and remove the lamps.

Benefits
- Reduce risk of fires by minimizing grease deposits
- Reduce unpleasant odors
- Prolong equipment life by reducing grease build-up
- Eliminate need for extra cleaning of exhaust hood and ductwork
- Improve exhaust flow by keeping hood continuously clean
- No residues or liquids
- High-output (800mA) lamps
- Environment-friendly lamps contain ≤ 8mg of mercury
- Two-year guarantee on lamps
- Five-year, non-prorated warranty on the ballast
- Low operating and maintenance costs
- Easy-to-change lamps
**KE SERIES SPECIFICATIONS:**

Every KE Series Fixture is manufactured and factory assembled in the U.S.A., and tested prior to shipment. Each assembly consists of housing, electronic ballast(s), power cord and high output lamps.

**FIXTURE:**

Housings are constructed of heavy gauge stainless steel. Lamp changes can be done without removing the fixture from the mounting. All components are in one integrated assembly to maximize serviceability.

**BALLAST:**

The solid-state electronic ballast (furnished with this series) is a Class P rapid start with a power factor minimum of .95. It is available as a 120, 208, or 230 VAC 50/60 Hz and is designed to maximize photon production in air temperatures of 35 to 175 degrees F. Ballasts have a RFI - EMI rating as defined by FCC part 18A for industrial / commercial applications in regards to suppression. Ballasts are UL listed and suitable for use in kitchen exhaust applications.

**LAMPS:**

KE Series UVC lamps are high-output (800mA), T5 tube diameter, and constructed from hard glass tubing for superior UV transmittance. Lamps are “green,” containing ≤8mg of mercury (Hg) and they produce ozone. Lamps shall retain, at minimum, 80% of initial output after 17,000 hours of use. Electrodes are designed to maximize plasma convection and stability for superior lamp performance.

**ORDERING SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Fixture</th>
<th>Insertion Depth</th>
<th>#of Lamps per Fixture</th>
<th>Lamp Used</th>
<th>Voltage</th>
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<tbody>
<tr>
<td>KE14-2-120</td>
<td>14&quot;</td>
<td>2</td>
<td>SBL411</td>
<td>120</td>
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<tr>
<td>KE14-2-230</td>
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<td>2</td>
<td>SBL411</td>
<td>208/230</td>
</tr>
<tr>
<td>KE16-2-120</td>
<td>16&quot;</td>
<td>2</td>
<td>SBL435</td>
<td>120</td>
</tr>
<tr>
<td>KE16-2-230</td>
<td>16&quot;</td>
<td>2</td>
<td>SBL435</td>
<td>208/230</td>
</tr>
<tr>
<td>KE24-2-120</td>
<td>24&quot;</td>
<td>2</td>
<td>SBL416</td>
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<tr>
<td>KE24-2-230</td>
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<td>2</td>
<td>SBL416</td>
<td>208/230</td>
</tr>
<tr>
<td>KE33-2-120</td>
<td>33&quot;</td>
<td>2</td>
<td>SBL421</td>
<td>120</td>
</tr>
<tr>
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<td>33&quot;</td>
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<td>SBL421</td>
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<tr>
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<td>SBL446</td>
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<td>2</td>
<td>SBL446</td>
<td>208/230</td>
</tr>
</tbody>
</table>

**GERMICIDAL SOLUTIONS:**

Since 1960 American Ultraviolet has manufactured close to 100,000 effective UVC germicidal fixtures for commercial, healthcare, food & beverage, and residential applications. In addition to the KE Series, American Ultraviolet offers the HVAC industry several in-duct, on-coil, OEM, rooftop and custom solutions, including the DC, CC, CK and NC Series.