



# KITCHEN EXHAUST (KE) HOOD FIXTURES

UVC HVAC Solutions



**2 Lamp  
KE Series**



**4 Lamp  
KE Series**



## 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

**KE Series UV lights installed in kitchen exhaust plenum**



- No residues or liquids
- High-output (800mA) lamps
- Environment-friendly lamps contain  $\leq$  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



**American Ultraviolet®**

Since 1960. It's all we do.



AUV KE SERIES

# KITCHEN EXHAUST (KE) SERIES FIXTURES

## 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:

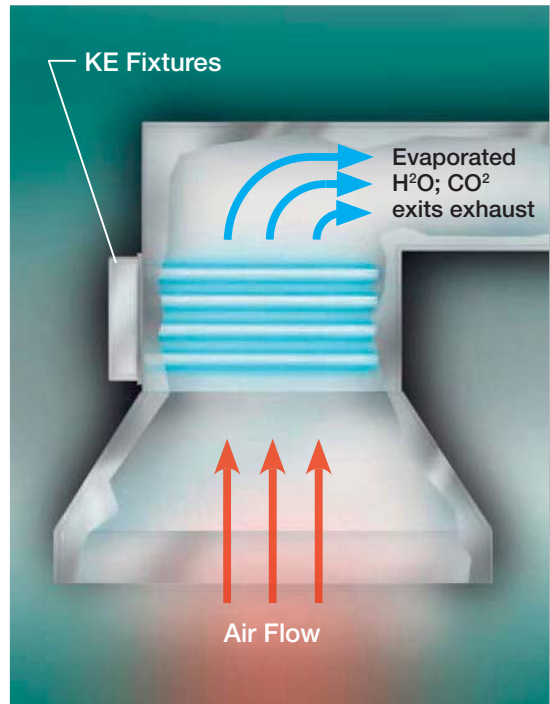
Housings are constructed of heavy gauge stainless steel. Lamp changes can be done without removing the fixture from the mounting. All components are in one integrated assembly to maximize serviceability.

### 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  $\leq 8$ mg 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.



**KE Fixture with Ozone Lamps**

## ORDERING SPECIFICATIONS:

Fixture	Insertion Depth	#of Lamps per Fixture	Lamp Used	Voltage
KE14-2-120	14"	2	SBL411	120
KE14-2-230	14"	2	SBL411	208/230
KE16-2-120	16"	2	SBL435	120
KE16-2-230	16"	2	SBL435	208/230
KE24-2-120	24"	2	SBL416	120
KE24-2-230	24"	2	SBL416	208/230
KE33-2-120	33"	2	SBL421	120
KE33-2-230	33"	2	SBL421	208/230
KE45-2-120	45"	2	SBL446	120
KE45-2-230	45"	2	SBL446	208/230

Fixture	Insertion Depth	#of Lamps per Fixture	Lamp Used	Voltage
KE14-4-120	14"	4	SBL411	120
KE14-4-230	14"	4	SBL411	208/230
KE16-4-120	16"	4	SBL435	120
KE16-4-230	16"	4	SBL435	208/230
KE24-4-120	24"	4	SBL416	120
KE24-4-230	24"	4	SBL416	208/230
KE33-4-120	33"	4	SBL421	120
KE33-4-230	33"	4	SBL421	208/230
KE45-4-120	45"	4	SBL446	120
KE45-4-230	45"	4	SBL446	208/230

## 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.



**American Ultraviolet®**

Since 1960. It's all we do.

[www.americanultraviolet.com](http://www.americanultraviolet.com)

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Prolonged, direct exposure to UVC light can cause temporary skin redness and eye irritation, but does not cause skin cancer or cataracts. American Ultraviolet systems are designed with safety in mind and, when properly installed by a professional contractor, do not allow exposure to UV irradiation and allow for safe operation and maintenance.

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AUV KE SERIES

