



# American Ultraviolet®

Insightful Solutions. Remarkable Results. Since 1960.

## UVC systems and equipment for Heating, Ventilation, and Air Conditioning systems

UVC is recognized by ASHRAE, CDC, and WHO as an effective solution for lowering airborne microorganisms in the indoor environment and in HVAC systems.

### HVAC systems are key to indoor air quality (IAQ) and adding UVC fixtures to your HVAC systems provides multiple benefits when sized properly:

- 24/7 continuous air disinfection – inactivates unwanted microorganisms and viruses
- 24/7 continuous surface disinfection – destroys the biofilm on cooling coils and drain pans
- Eliminates the need for manual coil cleaning - saves on labor hours and expense
- Eliminates the use of dangerous biocides – saving money on cleaning chemicals
- Increases and maintains the cooling coil efficiency – saving on energy costs

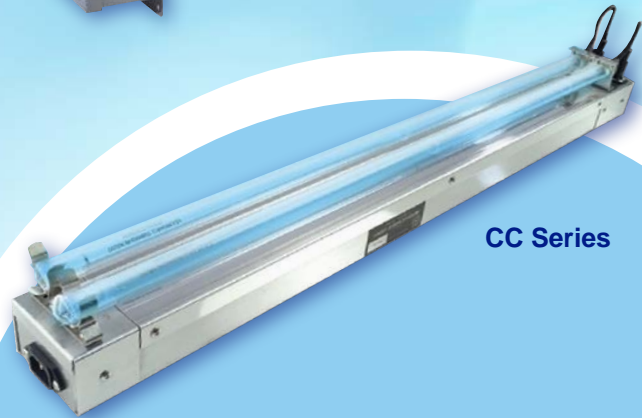
### Adding UVC HVAC fixtures from American Ultraviolet comes with the added benefits of

- 17,000 hour 2-year lamp life
- 10-year non-prorated ballast warranty
- Lamps do not generate ozone or other harmful by-products
- Systems require little to no maintenance
- BMS system integration
- All of our products are made with pride in the U.S.A.
- Backed by a company with over 63+ years of experience!

American Ultraviolet has been the leading manufacturer of UVC equipment for HVAC applications since 1960. We have the experience and engineering background to provide your facility the best IAQ solutions, no matter what the application.



DC Series



CC Series

CK Series



## HVAC UVC Fixtures



UVC Germicidal Solutions



# HVAC UVC

## Clean Air and Surface Kit (CK series)

The CK series consists of modular components that fit together to properly size your existing or new HVAC application. Used for both pass-by air and cooling coil disinfection applications, the CK series is a safe economical solution for building owners, OEM's, Facilities Directors, and HVAC Leads.

CK series systems are available with:

- GSL, GTL, and GCL series lamps
- 8, 12, or 30 ft cables with 4 pin SureSeal moisture proof connectors
- 120 - 277 v 50/60 Hz
- Elapsed time indicators
- Lamp out indicator lights
- Safety interlock switches
- UV Caution and warning labels
- Standard Lamp lengths: 18, 24, 36, 48, 60 inch
- 4 or 8 ballast enclosure
- UVC blocking window kits
- Remote BMS monitoring option
- Outdoor rating available for electrical enclosures
- Optional UVT Rad100 Radiometer/ Photometer



## CK Components Technical Data

Electrical Enclosures						
Part Number	Lamp capacity	Electrical	Dimensions (WxHxD)	Weight	Works With Lamp Series	Replacement Ballast
<b>CK1-CK4 Small Enclosure</b>	1-8 @ 18 & 24" 1-4 @ 36, 48, 60"	120-277v 50/60 Hz 0.75-6.15 amps	12.5" x 19.5" x 4.5"	7 lbs	GSL, GTL, GCL	TXG400
<b>CK5-CK8 Large Enclosure</b>	1-16 @ 18 & 24" 1-8 @ 36, 48, 60"	120-277v, 50/60 Hz 3.3-12.04 amps	18.5" x 20.5" x 4.5"	14 lbs	GSL, GTL, GCL	TXG400
BMS and Monitoring Options						
<b>ACB-030</b>	1-2 lamps	.5 amps, 125 VAC max	4" x 2" x 1"	.25 lb	GSL, GTL, GCL, SBL	NA
<b>ACB-031</b>	1-4 lamps	.5 amps, 125 VAC max	4" x 2" x 1"	.25 lb	GSL, GTL, GCL, SBL	NA
<b>UVTRAD100</b>	1+	120-230V, 50/60 Hz	3¾" x 2½" x 1¼"	.5 lb	All lamp series	N/A
Lamp Cable Options						
Part Number	Cable Length	Description	Weight	Works With Lamp Series		
<b>2567-02</b>	8 ft	Single CK lamp cable with 4-pin connector	.5 lb	GSL, GTL, GCL		
<b>2567-04</b>	12 ft	Single CK lamp cable with 4-pin connector	.5 lb	GSL, GTL, GCL		
<b>2567-05</b>	30 ft	Single CK lamp cable with 4-pin connector	1 lb	GSL, GTL, GCL		
CK Series Lampholder Options:						
Part Number	Number Per Lamp	Description	Weight	Works with Lamp Series	Dimensions	
<b>LHD165</b>	2	Lamp clamp/clip holder for ¾" pipe	.5 lb	All lamp series	1" x 1½" x 4"	
<b>LHD150</b>	2	Large diameter lamp clip	.5 lb	GCL series	1¼" x ½" x 1 5/8"	
<b>LHD155</b>	2	Small diameter lamp clip	.5 lb	GSL, GTL, SBL, GML	1" x ½" x 1½"	
CK Series Lamp Options:						
Part Number	Overall Length	Fixture Size	Lamp Description	Lamp Watts	UVC Watts	
<b>GSL,GTL,GCL-18</b>	15.19"	18	GPH386HO	40	13	
<b>GSL,GTL,GCL-24</b>	21.19"	24	GPH538HO	55	16	
<b>GSL,GTL,GCL-36</b>	33.19"	36	GPH843HO	87	27	
<b>GSL,GTL,GCL-48</b>	45.19"	48	GPH1148HO	119	39	
<b>GSL,GTL,GCL-60</b>	57.19"	60	GPH1453HO	151	50	



# HVAC UVC

## Coil Clean (CC series)

CC Series fixtures are offered as single and double lamp fixtures with “moisture proof” construction. They may be mounted individually; in built-up banks; or as a rack-system in a variety of locations, including coils, drain pans, ductwork, mixed air plenums and exhaust systems. The CC Series is available in five lengths (18”, 24”, 36”, 48”, 60”)

### APPLICATIONS:

CC Series fixtures from American Ultraviolet are ideal for internal installation in medium to large air handling systems in commercial, industrial, Healthcare and institutional buildings.

### FIXTURE:

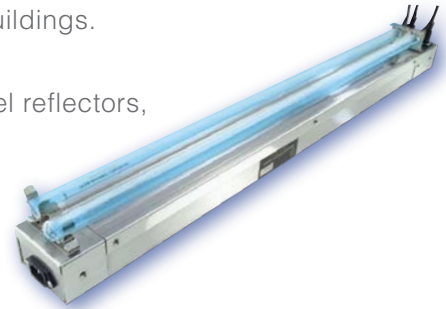
Heavy gauge, hospital grade stainless steel, highly polished stainless steel reflectors, end to end or hardwire connection

### BALLAST:

UL listed solid state electronic ballasts, available for 120, 208, 230 or 277 VAC 50/60 Hz with a 10-year non-prorated warranty

### LAMPS:

17,000-hour, 2 year “GREEN” high output lamps. CC series come GCL series lamps (GSL and GTL versions available on request)



## CC Series Technical Data

High Output - Single and Double Lamp						
Part Number	Dimensions	Amp Draw	Nominal Lamp Length	Weight	Works w/ Lamp Series	Replacement TX
CC18-1	18 x 3.25 x 4	0.4-0.2 amps	18	5 lbs.	GCL Standard	Voltage Specific
CC18-2	18 x 3.25 x 4	0.8-0.4 amps	18	5 lbs.		
CC24-1	24 x 3.25 x 4	0.6-0.3 amps	24	6.5 lbs.	GSL, GTL Optional	Please call for part numbers
CC24-2	24 x 3.25 x 4	1.2-0.6 amps	24	6.5 lbs.		
CC36-1	36 x 3.25 x 4	0.8-1.35 amps	36	8 lbs.	GSL, GTL Optional	Please call for part numbers
CC36-2	36 x 3.25 x 4	1.6-0.7 amps	36	8 lbs.		
CC48-1	48 x 3.25 x 4	1.2-0.5 amps	48	10 lbs.	GSL, GTL Optional	Please call for part numbers
CC48-2	48 x 3.25 x 4	2.4-1.0 amps	48	10 lbs.		
CC60-1	60 x 3.25 x 4	1.8-0.7 amps	60	13 lbs.	GSL, GTL Optional	Please call for part numbers
CC60-2	60 x 3.25 x 4	3.75-1.4 amps	60	13 lbs.		

Monitoring Options					
Part Number	Lamp Capacity	Electrical	Dimensions	Weight	Works w/ Lamp Series
UVTRAD100	1+	120-230v 50/60 Hz	3¼" x 2½" x 1¼"	.5 lbs.	All Lamp Series

CC Series Ballast /Lamp Connector					
Part Number	Lamp Capacity	Description	Weight	Works w/ Lamp Series	Dimensions
2540-17A	1	4 pin lamp socket assembly w/ plates and screws	.25 lb	GCL, GSL, GTL	1" x 1-1/2" x 4"

CC Series Lamp Options:					
Part Number	Overall Length	Fixture Length	Lamp Description	Lamp Watts	UVC Watts
GCL-18	15¼"	18	GPH386HO	40	13
GCL-24	21¼"	24	GPH538HO	55	16
GCL-36	33¼"	36	GPH843HO	87	27
GCL-48	45¼"	48	GPH1148HO	119	39
GCL-60	57¼"	60	GPH1453HO	151	50

All CC series fixtures are available with GSL and GTL series lamps, additional charges may apply



# HVAC UVC

## Duct Clean (DC/NC series)

American Ultraviolet High output DC/NC series germicidal fixtures are designed specifically for HVAC applications. They can be mounted in various configurations for optimum pass-by air disinfection and/or to irradiate cooling coils and drain pans. The lamps and electronics can be accessed from outside the duct or plenum. "Green" lamps (<8mgs of Mercury) extend inside to span duct and/or cooling coils. NC series features a NEMA 4X electrical enclosure for outdoor mounting.

### APPLICATIONS:

DC/ NC series fixtures from American Ultraviolet are ideal for internal or external installation in medium to large air handling systems in commercial, industrial, Healthcare, and institutional buildings

### BALLAST:

UL listed solid state electronic ballasts, multi-voltage 120-277 v 50/60 Hz – 10-year non-prorated warranty

### LAMPS:

17,000-hour, 2 year "GREEN" high output lamps. DC/ NC series come standard with our SBL series lamps



## DC/NC Series Technical Data

High Output - 1, 2, & 4 lamp units 120-277v 50/60 Hz						
Part Number	Dimensions	Amp Draw	Insertion Depth	Weight	Replacement Lamp	Replacement TX
NC14-1	18 x 3.25 x 4	0.39-0.17 amps	13.38	5 lbs.	SBL410	TXG530
NC/DC14-2	18 x 3.25 x 4	0.8-0.3 amps	13.38	5 lbs.	SBL410	TXG530
DC14-4	18 x 3.25 x 4	1.5-0.7 amps	13.38	5 lbs.	SBL410	TXG530
NC16-1	20 x 3.25 x 4	0.41-0.18 amps	15.38	6 lbs.	SBL430	TXG530
NC/DC16-2	20 x 3.25 x 4	0.8-0.4 amps	15.38	6 lbs.	SBL430	TXG530
DC16-4	20 x 3.25 x 4	1.6-0.7 amps	15.38	6 lbs.	SBL430	TXG530
NC24-1	24 x 3.25 x 4	0.54-0.23 amps	23.56	6.5 lbs.	SBL415	TXG530
NC/DC24-2	24 x 3.25 x 4	1.1-0.5 amps	23.56	6.5 lbs.	SBL415	TXG530
DC24-4	24 x 3.25 x 4	2.3-1.0 amps	23.56	6.5 lbs.	SBL415	TXG530
NC33-1	36 x 3.25 x 4	0.85-0.37 amps	32.5	8 lbs.	SBL420	TXG530
NC/DC33-2	36 x 3.25 x 4	1.7-0.7 amps	32.5	8 lbs.	SBL420	TXG530
DC33-4	36 x 3.25 x 4	3.4-1.5 amps	32.5	8 lbs.	SBL420	TXG530
NC45-1	48 x 3.25 x 4	1.17-0.51 amps	44.5	10 lbs.	SBL445	TXG530
NC/DC45-2	48 x 3.25 x 4	2.3-1.0 amps	44.5	10 lbs.	SBL445	TXG530
DC45-4	48 x 3.25 x 4	4.6-2.0 amps	44.5	10 lbs.	SBL445	TXG530

BMS and Monitoring Options						
Part Number	Lamp Capacity	Electrical	Dimensions	Weight	Works w/ Lamp Series	Works w/ TX
ACB-030	1-2 lamps	.5 amp, 125VAC max 30VDC max	4" x 2" x 1"	.25 lbs.	GSL, GTL, GCL, SBL	All TXG Series
ACB-031	1-4 lamps	.5 amp, 125VAC max 30VDC max	4" x 2" x 1"	.25 lbs.	GSL, GTL, GCL, SBL	All TXG Series
UVTRAD100	1+	120-230v 50/60 Hz	3¾" x 2½" x 1¼"	.5 lbs.	All Lamp Series	N/A

Replacement Lamp Connector					
Part Number	Required Per Lamp	Description	Weight	Works w/ Lamp Series	Dimensions
SBSLKTASSY	1	Lamp socket assembly	.25 lb	SBL	1" x 1-1/2" x 4"



# HVAC UVC

## PEK/GTLK, ECO, Sapphire, and Eliminator Series UVC AHU Kit Specifications

American Ultraviolet UVC kits are designed specifically for HVAC applications and can be mounted in arrangements for pass-by air decontamination as well as for cooling coil and drain pan irradiation. They can be mounted to plenum walls or to frame assemblies spanning supply ducts or cooling coils.

These kits are offered in five lamp lengths (18", 24", 36", 48", & 60") fully wired electronic ballast with moisture proof lamp connector(s) spring clip lamp-holders, "GREEN UVC lamp(s) 120-277 v 50/60 Hz - 10-year non-prorated ballast warranty, ballasts are UL listed.



PEK/GTLK (commercial/industrial) series kits come standard with High-Output lamps GSL, GTL, or GCL series lamps



ECO (budget friendly) series kits come standard with fully enclosed electronics and standard output 1 year lamp



Sapphire and Eliminator (light commercial residential line) come standard with a 2 year "GREEN" High-Output lamp(s)

### Kit Series Technical Data

High Output PEK/GTLK, Sapphire and Eliminator Kits						
Part Number	Dimensions	Amp Draw	Nom. Lamp Length	Weight	Replacement Lamp	Replacement TX
PEK/GTLK-18	18 x 3.25 x 16	0.4-0.2 amps	18	2 lbs	GSL, GTL, GCL-18	TXG530
PEK/GTLK-24	18 x 3.25 x 22	0.6-0.3 amps	24	2 lbs	GSL, GTL, GCL-24	TXG530
PEK/GTLK-36	20 x 3.25 x 33	0.8-0.35 amps	36	2 lbs	GSL, GTL, GCL-36	TXG530
PEK/GTLK-48	20 x 3.25 x 45	1.2-0.5 amps	48	2 lbs	GSL, GTL, GCL-48	TXG530
PEK/GTLK-60	24 x 3.25 x 57	1.8-0.7 amps	60	2.5 lbs	GSL, GTL, GCL-60	TXG530
SA14-1	4 x 3 x 15.5	0.32-0.14 amps	14	2 lbs	SBL405	TXG530
SA14-2	4 x 3 x 15.5	0.64-0.28 amps	14	2 lbs	SBL405	TXG530
SA16-1	4 x 3 x 15.5	0.36-0.16 amps	16	2 lbs	SBL430	TXG530
SA16-2	4 x 3 x 15.5	0.72-0.32 amps	16	2 lbs	SBL430	TXG530
SA20-1	4 x 3 x 15.5	0.44-0.19 amps	20	2.5 lbs	SBL450	TXG530
SA20-2	4 x 3 x 15.5	0.88-0.38 amps	20	2.5 lbs	SBL450	TXG530
SA24-1	4 x 3 x 15.5	0.55-0.24 amps	24	2.5 lbs	SBL435	TXG530
SA24-2	4 x 3 x 15.5	1.1-0.48 amps	24	2.5 lbs	SBL435	TXG530
EL14-1	13 x 3.25 x 3	0.06-0.3 amps	14	5 lbs	RPT405	TXG370
EL16-1	15 x 3.25 x 3	0.07-0.35 amps	16	6 lbs	RPT430	TXG370
EL20-1	19 x 3.25 x 3	0.75-0.38 amps	20	6.5 lbs	RPT413	TXG370
EL24-1	23 x 3.25 x 3	0.8-0.4 amps	24	6.5 lbs	RPT415	TXG370

### Monitor Options:

Part Number	Lamp Capacity	Electrical	Dimensions	Weight	Works with Lamp Series	Works with TX
UVTRAD100	1+	120-230v 50/60 Hz	3.75" x 2.5" x 1.125"	.5 lbs	All lamp series	NA

### Kit Lampholder and Lamp Connector Options:

Part Number	Lamp Capacity	Description	Weight	Works with Lamp Series	Dimensions
SBLSCASSY	1	SBL lamp socket assembly	.25 lbs	All lamp series	1" x 1-1/2" x 4"
LHD150	1	Large diameter lamp clip	.25 lbs	GCL	1" x 1-1/2" x 4"
LHD155	1	Small diameter lamp clip	.25 lbs	GSL, GTL, SBL, GML	1" x 1-1/2" x 4"



# HVAC UVC

## HVAC Options and Extras:

Maintaining a UVC system for an HVAC unit is critical to getting the most benefit out of the system. Our pass-by air disinfection and coil disinfection solutions come with 2 year "GREEN" lamps, a 10-year non-prorated warranty on the ballast, and 63+ years of UVC engineering and manufacturing experience backing that up. Periodic maintenance is key to keeping the UVC solutions performing at peak efficiency. Some tools to help with installation and maintenance are below:

### Junction Boxes J-Boxes

Used with our end-to-end plug in CC series UVC fixtures. These electrical wiring junction boxes make the row termination fast and efficient. Made of stainless steel, available as plug or receptacle, not available @ 277 volts



### Radiometer - UVTRAD100

The UVTRAD100 radiometer from American Ultraviolet covers all the needs for an HVAC mounted solution. Offering both absolute and relative measurements it lets the operators know how the system is functioning and when to change out the lamps. Red, Yellow, and Green indicators alert the staff of the operating state of the system and this solution will work with the building BMS systems.



### LBL-150

The LBL-150 Label is designed to warn staff and visitors alike of the possible exposure to UVC energy. The bright colors and simple graphics are a great way to communicate that care must be taken. We recommend using one of these self-stick 9" x 6" warning labels at all access panels and doors. Where a lighted warning sign is preferred, we offer the MSC-1014.



### Viewports and Windows

Safely viewing your UVC array can save time and money. Keeping the system functioning properly is key to keeping the air and surfaces clean. American Ultraviolet offers multiple windows and view ports, standard sizes listed below:



## Options and Extras Technical Data

Junction Boxes (J-boxes)				
Part Number	Dimensions	Knockouts	Rating	Weight
2540-15B	3" x 3" x 2"	2	250 VAC	0.25 lbs.
2540-18	3" x 3" x 2"	2	250 VAC	0.25 lbs.

Radiometers and Monitors				
Part Number	Dimensions	Material	Description	Weight
UVTRAD100	3" x 5" x 1"	Steel/Aluminum	UVC Monitor	0.5 lbs.

Warning Signs and Labels				
Part Number	Dimensions	Material	Description	Weight
LBL-150	9" x 6" x 0.125"	Vinyl	Warning Label	0.125 lbs.
MSC-1014	12" x 10" x 2"	Steel and Plexiglass	Lighted Warning Sign	2.5 lbs.

Viewports and Windows				
Part Number	Dimensions	Material	Tint	Weight
Z2982	10" x 10" x 0.125"	Polycarbonate	Clear	0.25 lbs.
DM7X11GW	7" x 11" x 1/2"	Steel & Glass	Clear	0.5 lbs.
DM12X16GW	12" x 16" x 1/2"	Steel & Glass	Clear	0.5 lbs.



**American Ultraviolet®**

Insightful Solutions. Remarkable Results. Since 1960.

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