

INDOOR AIR QUALITY

UVC

HEALTHY CLIMATE®

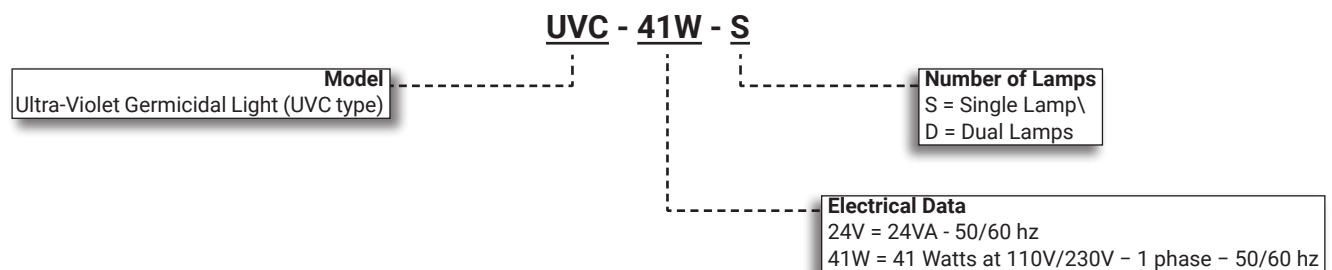
Ultra-Violet Germicidal Lights | 60Hz

RESIDENTIAL

PRODUCT SPECIFICATIONS (EHB)



MODEL NUMBER IDENTIFICATION



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APPROVALS AND WARRANTY

APPROVALS

- ETL, cETL, UL and ULC certified to Standard 1598
- Meets UL 60335-2-40 standard with optional UVC Compliance Kit for A2L applications
- FIFRA (Federal Insecticide Fungicide Rodenticide Act) registered, file number 73316

WARRANTY

- All covered components:
 - Limited five years warranty in residential applications
 - Limited one-year in non-residential applications

NOTE - Lamps are routine maintenance items and are not covered under the warranty.

NOTE - Refer to Lennox Equipment Limited Warranty certificate included with unit for specific details.

FEATURES

APPLICATIONS

- Lights are designed to fit into a wide variety of applications including indoor coils, air handlers and supply and return air duct work
- Installation requires drilling a one inch diameter hole per lamp (two holes required for dual lamp model)

NOTE - CBA27UHE air handlers have factory provided knockouts in the coil delta plate for mounting light within coil area.

- The lamp emits C-Band ultra-violet (UVC) energy at 253.7 nanometers, which is proven to be effective in reducing microbes such as viruses, bacteria, yeasts, and molds
- This process either destroys the organism or controls its ability to reproduce
- UVC germicidal light greatly reduces the growth and proliferation of mold and other bioaerosols (bacteria and viruses) on illuminated surfaces (particularly coil and drain pan)
- Surfaces must be cleaned prior to UVC light being installed

SAFETY FEATURES

- Any exposure to ultra-violet (UVC) light will cause significant eye damage and may cause skin damage
- Integrated safety interlock switch on lamp base prevents lamp operation when lamp is removed from lamp base for servicing
- Two safety interlock switches (wired in series) furnished on dual lamp model
- Waterproof power cord fitting on lamp base holder assembly

COMPONENTS

- Light assembly consists of lamp holder sub-assembly (two for dual lamp model), enhanced ballast, lamp(s), and all necessary mounting hardware

NOTE - Shielding baffle for lamp is available and must be ordered separately.

- Mounting template provided for ease of installation
- Separate ballast mounts near UVC light assembly
- Lamp base with tool-less (twist-lock) lamp removal for servicing and replacement

LAMP(S)

- Low power consumption, high UVC output

ENHANCED BALLAST

- Enhanced ballast provides UVC lamp operation at a full range of operating conditions
- Electronic rapid-start ballast
- Heavy-duty flexible 6 ft. power cord (18 AWG, SJT, UL rated) with in-line disconnect

LED Indicators

- LEDs on ballast show lamp operation status:
 - "Green" LED indicates power "on"
 - "Blue" LED indicates lamp operation
 - Two blue LEDs furnished on dual lamp model

Maintenance Item / Optional Accessories

Replacement Lamps

- Recommended annual replacement of the lamp(s)
- Tips are color-coded for correct voltage replacement
- See Specifications table for order number

Shielding Baffle

- Required when installing light above a non-UVC resistant component, such as a filter
- Available for 14 and 16 in. lamp lengths

Transformer

- Two, optional 24V secondary transformers are available for UVC-24V models

UVC Compliance Kit (For A2L Applications)

- Meets application compliance for UL 60335-2-40 standard with approved furnaces and air handlers
- Safety Circuit Relay Box
- Safety Switch and Magnet (Door Interlock Switch)
- Lamp Shielding Baffle
- Installation instructions
- Warning labels

SPECIFICATIONS

Model	UVC-24V	UVC-41W-S	UVC-41W-D
Number of Lamps	1	1	2
¹ Microwatt/cm ² Output	234	546	(2) 546
Shipping Data lbs. - 1 package	4	6	7
Electrical Data	Voltage - 50/60 hz - 1 phase	² 24V	110/230V-1 phase
	Input Line Current (Amps)	1.0	1.3
	Input Power (W)	24	41
			82

MAINTENANCE ITEMS / OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

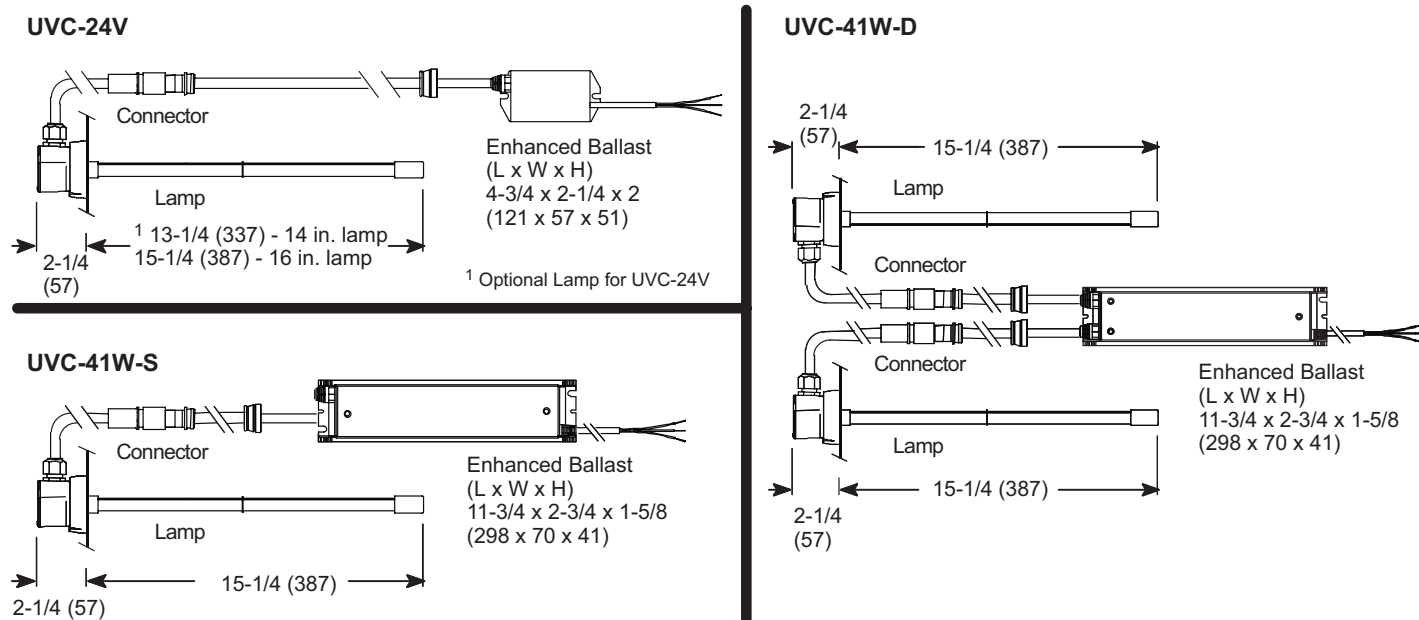
Replacement Lamp(s)	16 in. Lamp (Blue Tip) 24V - Y0390	•		
	16 in. Lamp (Green Tip) 110/230V - Y0391		•	³ •
Shielding Baffle	For 14 in. Lamp - Y5172	•		
	For 16 in. Lamp - Y5171	•	•	•
Transformer	120V/24V 40VA - 42J32	•		
	120-240V/24V 75VA - 12P61	•		
UVC Compliance Kit (For A2L Applications)	29V27	•		
	29V28		•	
	29V29			•

¹ Test conditions: new lamps at 100 hours, 500 fpm air velocity, 60°F air temperature, measured 12 in. from lamp.

² 24VA capacity step-down transformer required (not furnished).

³ Two lamps required.

DIMENSIONS



REVISIONS

Sections	Description of Change
Optional Accessories	Added UVC Compliance Kit for A2L applications.



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