



**RESIDENTIAL
PRODUCT SPECIFICATIONS**



MODEL NUMBER IDENTIFICATION

UVC - 41W - S

Model
Ultra-Violet Germicidal Light (UVC type)

Number of Lamps
S = Single Lamp\
D = Dual Lamps

Electrical Data
24V = 24VA - 50/60 hz
41W = 41 Watts at 110V/230V - 1 phase - 50/60 hz

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APPROVALS AND WARRANTY

APPROVALS

- ETL, cETL, UL and ULC certified to Standard 1598
- 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

SPECIFICATIONS

	Model No.	UVC-24V	UVC-41W-S	UVC-41W-D
	Number of Lamps	1	1	2
¹ Microwatt/cm² 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	110/230V-1 phase
	Input Line Current (Amps)	1.0	1.3	1.3
	Input Power (W)	24	41	82

MAINTENANCE ITEMS / OPTIONAL ACCESSORIES - MUST BE ORDERED EXTRA

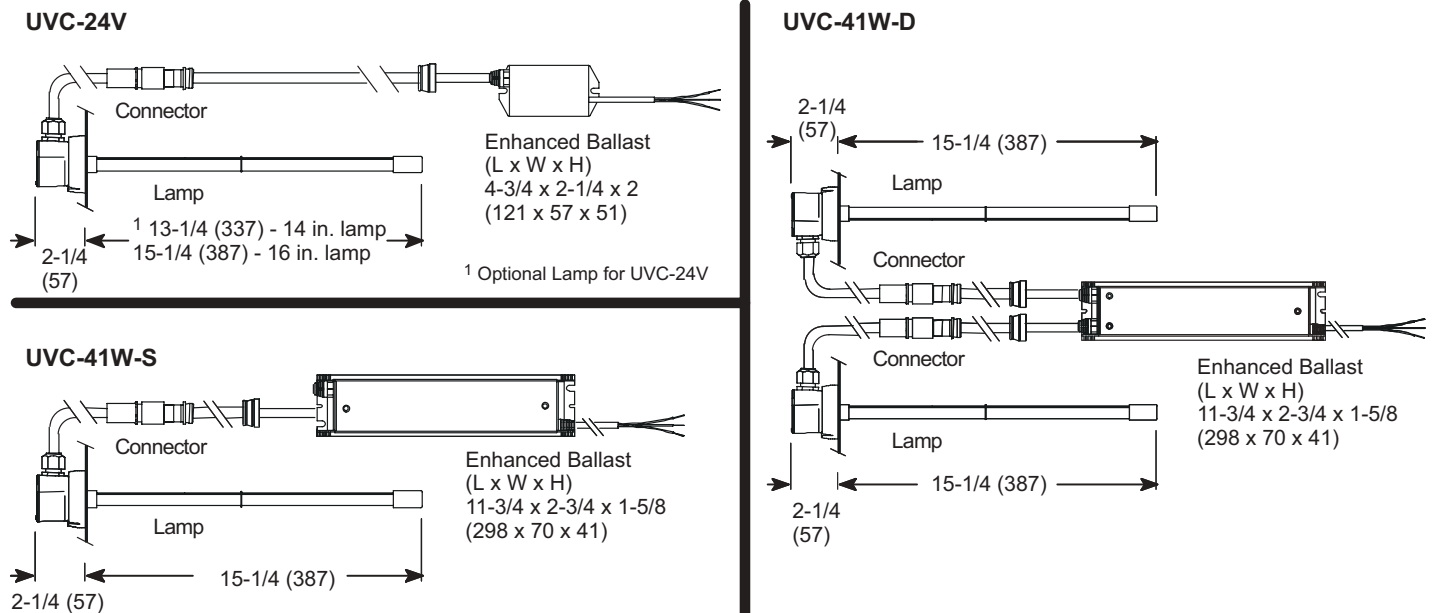
Replacement Lamp(s)	16 in. Lamp (Blue Tip) 24V - Y0390	•		
	16 in. Lamp (Green Tip) 110/230V - Y0391		•	³ •
Shielding Baffle	For 14 in. Lamp - Y5172	•		
	For 16 in. Lamp - Y5171	•	•	•
Transformer	120V/24V 40VA - 42J32	•		
	120-240V/24V 75VA - 12P61	•		

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
Features	Updated to reflect usage with latest model air handler.



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Contact us at 1-800-4-LENNOX

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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