CLUVAIRE
BY LOUVERS INTERNATIONAL

CLEANER AIR FOR ALL

FEATURES

- Reliable solution for cleaner air while there are occupants in the room
- Financial benefits that help reduce the main building HVAC Air Changes Per Hour (ACH)
- Flexible design that allows for existing 2×2 or 2×4 panel lights to be installed in the fixture, or included with the fixture
- With a linear style light fixture installed, you can place a ceiling tile in lieu of the panel light or a plastic sign with a logo instead
- Low maintenance cost requiring only 1 UVC lamp change every 9,000 hours per fixture – the on-unit lamp life monitor will let you know when it's time to replace
- Low power usage of only 36 watts on the actual UVC lamp itself, plus the additional wattage coming from the light fixture
- 2-year replacement warranty on the UVC portion of the unit and a 1-year lamp warranty
- Installs into the existing infrastructure or new construction

SPECIFICATIONS	2x2	2x4
INPUT VOLTAGE	UNIVERSAL 120-227V	UNIVERSAL 120-227V
UVC WATTS	36W	36W
FIXTURE WATTS	85W	100W
RECOMMENDED COVERAGE AREA	600 sq ft* *refer to coverage area chart	600 sq ft* *refer to coverage area chart
CFM	UP TO 120	UP TO 120
FAN	ONE-SPEED / 70,000 hrs	ONE-SPEED / 70,000 hrs
BALLAST	ELECTRONIC BALLAST	ELECTRONIC BALLAST
POWER CONNECTION	WIRED	WIRED
LAMP OPERATION MONITOR	YES	YES
LAMP LIFE MONITOR	YES	YES
WEIGHT	33 lbs	39 lbs
SIZE	24.7" x 23.9" X 8.1"	24.7" x 48" x 8.1"

PANEL LIGHT SPECIFICATIONS

CCT SELECTABLE	35K / 40K /50K	35K / 40K /50K
WATTS ADJUSTABLE	18 / 24 / 30W	30 / 40 / 50W
EFFICACY	125 lm/W	125 lm/W

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DIMENSIONS

2x2

2x4
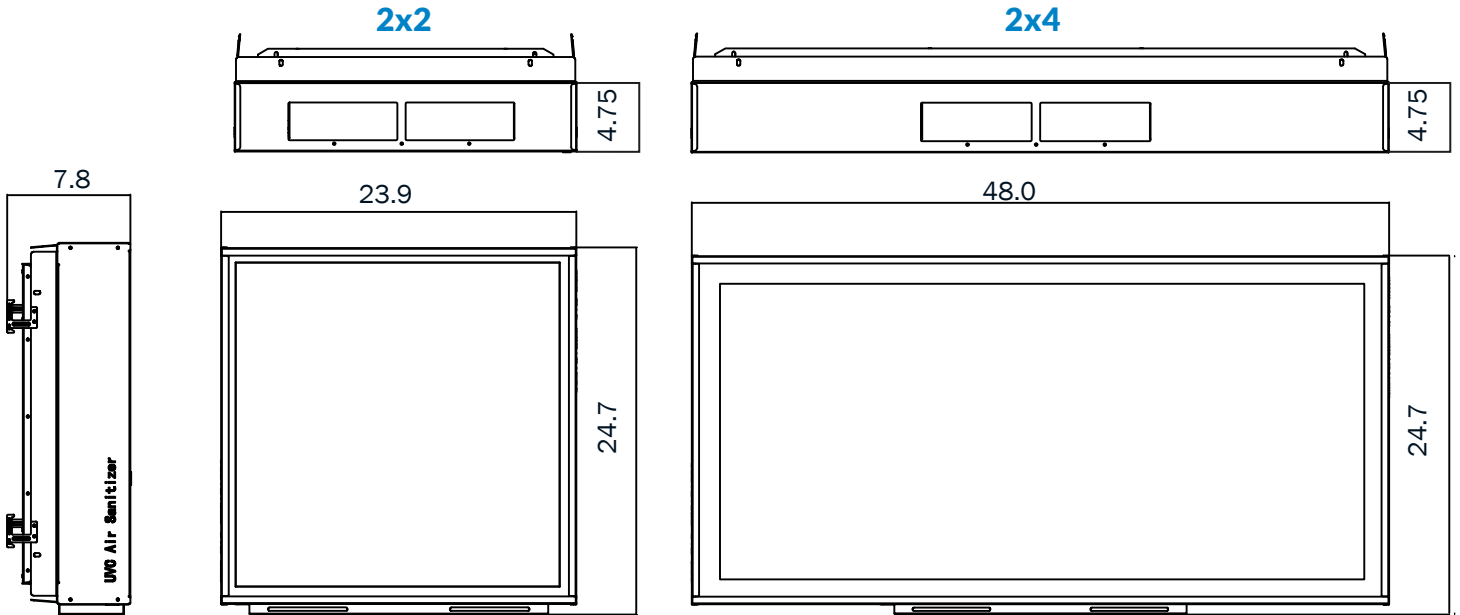
ORDERING INFORMATION

Example: CLUV-22-36W-WL-U

SERIES	PRODUCT		WATTAGE	LIGHT OPTION		VOLTAGE	
CLUV	**22**	2X2 CEILING MOUNT	**36W**	**NL**	NO LIGHT	**U**	120-277V
	24	2X4 CEILING MOUNT		**WL**	WITH LIGHT		

Mounting Frame Cables

Pre-installed panel light

Without panel light: Use existing panel light or ceiling panel tile

ON/OFF

LED Indicator

Panel light or ceiling panel tile
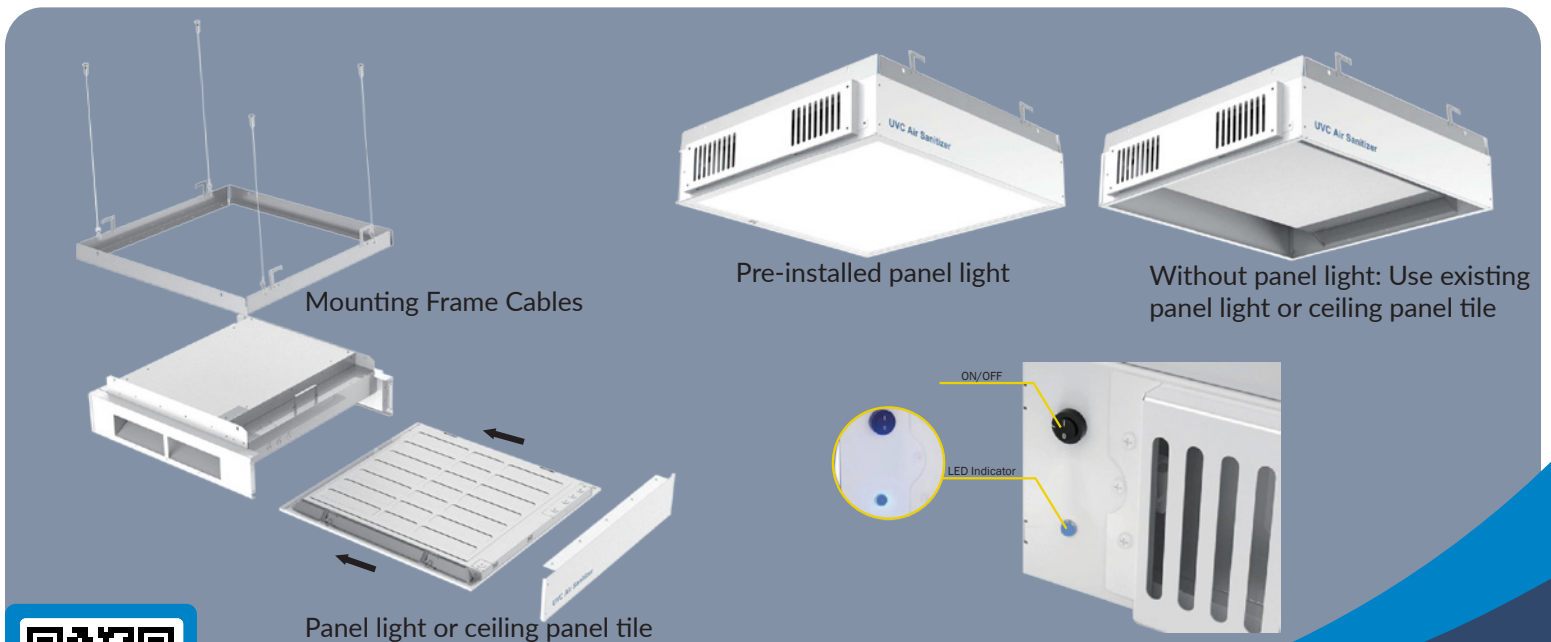
INSTALLATION GUIDE

Unbox and perform Steps 1 through 3 on the ground.

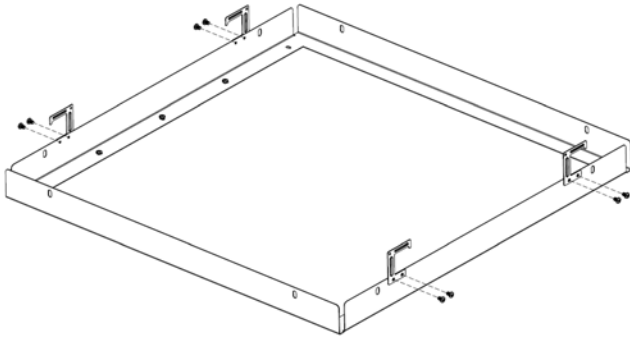1. Disassemble the support frame from the housing frame.
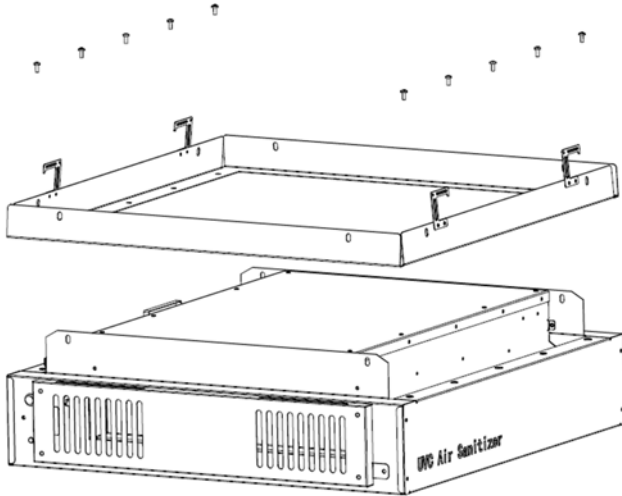
2. The CCT is pre-set to 4000K and the wattage is pre-set to the highest wattage setting. If the CCT or Watts needs to be adjusted: Disassemble the end of the housing frame by removing (4) screws (the end next to the wiring box).
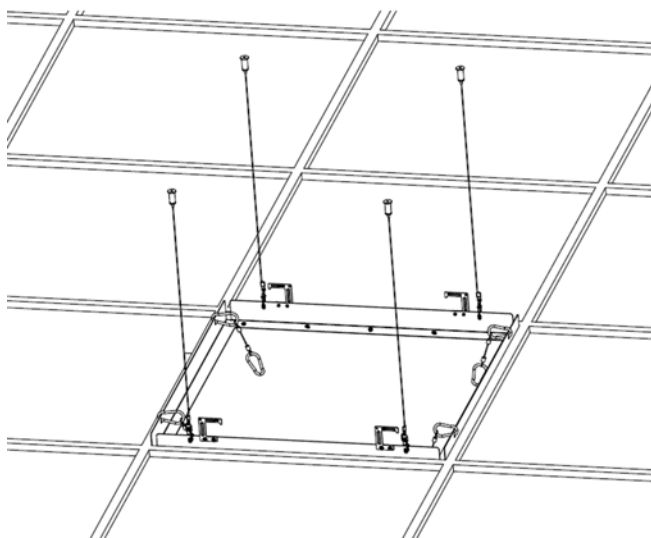Adjust the CCT/ Wattage then re-assemble the end housing.

CCT Adjust

WATTS Adjust
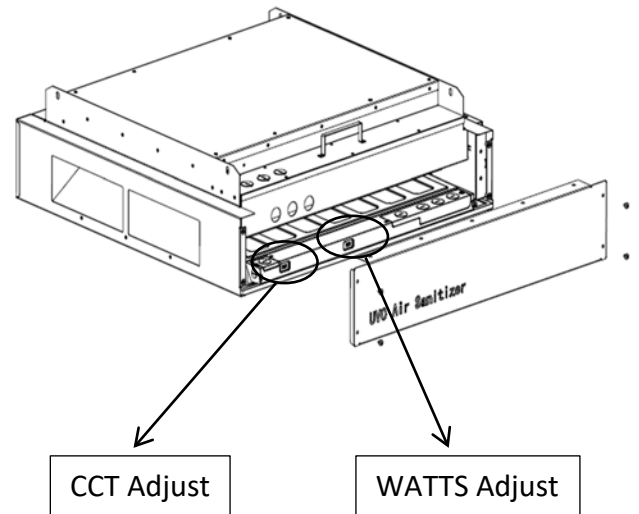
INSTALLATION GUIDE continued

3. Assemble the (4) earthquake proof hooks by using the screws (hardware kits bag).

4. Rotate support frame 45° and slide it through the ceiling grid.

5. Secure the (4) short safety wires to support frame, allow these to hang down in the frame opening when the frame is installed in ceiling (see step 6).
   Attach the (4) adjustable hanger wires to the support frame with the clip ends.
   Attach the (4) hanger wires to the building structure that supports the T-Grid ceiling.
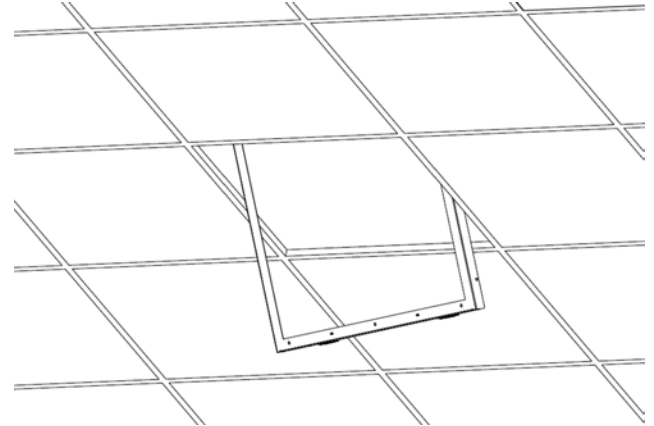
Frame adjustment: The Support frame is angled in to allow for the T-Grid hanging wires. If more space is needed between the support frame and the T-Grid to allow room for the wrapped hanging wire, the support frame can be bent in the area needed with pliers.

6. Raise up the main housing and use the clips to secure the other ends of the short safety wires to it. Then align the housing to the support frame, raise up and attach per step 7.

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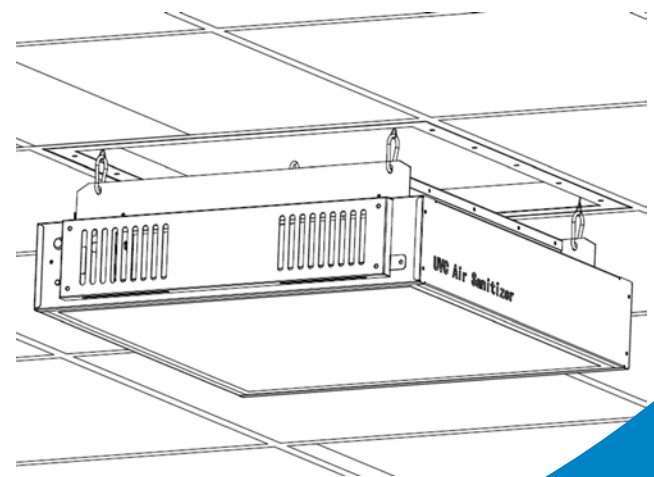
INSTALLATION GUIDE continued

7. Secure the UV Air Panel fixture to the support frame from the top by screws each side.
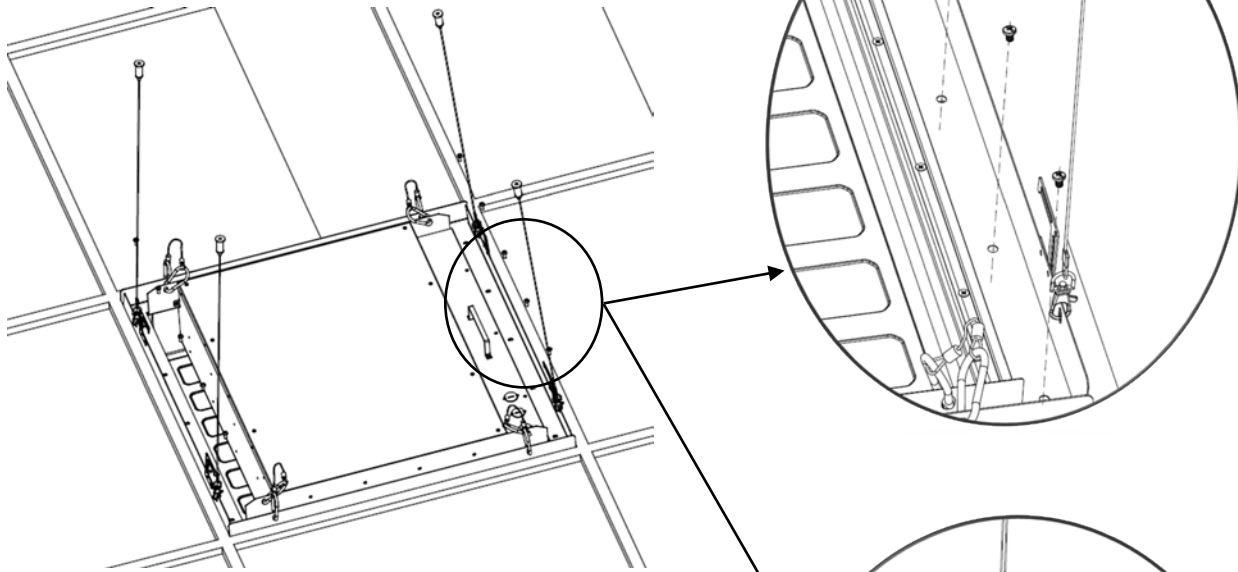
8. Make wiring connections per the WIRING INSTRUCTIONS on page 6.

9. Rotate the (4) earthquake proof hooks outward to engage with T-bar support grid.

10. Adjust the length/tightness by pulling the wire end per the HANGER WIRE INSTRUCTIONS on Page 7.
    Adjust the hanger wire tightness to support the frame and main housing fully.
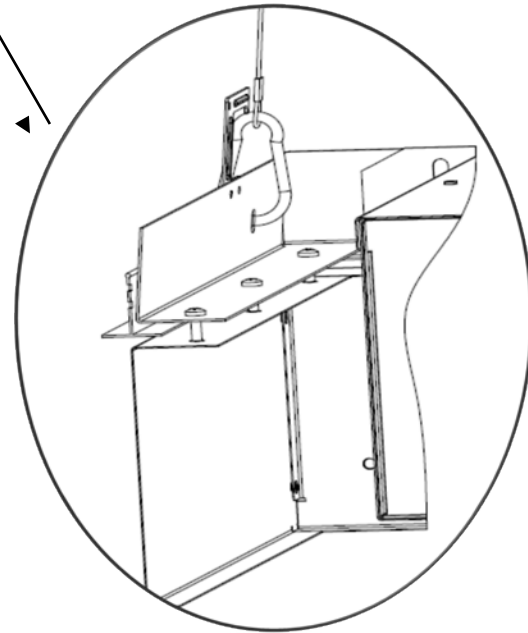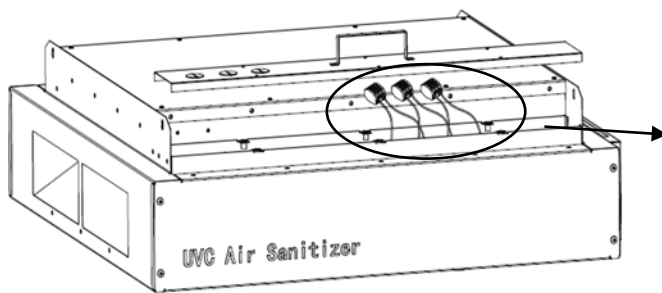
WIRING INSTRUCTIONS
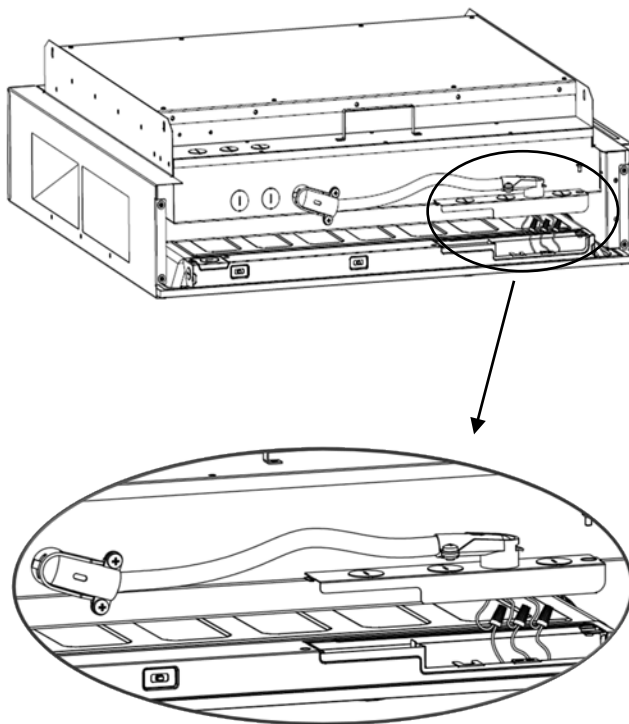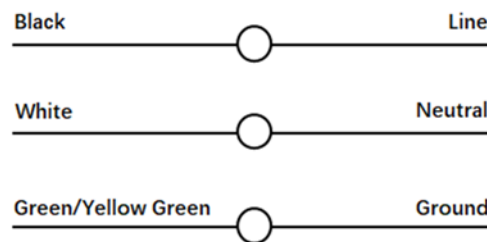
Make electrical connections as follows:
Black - Line
White - Neutral
Green/Yellow Green – Ground

Note: Universal voltage 120~277VAC

Wire Connections

Black		Line
White		Neutral
Green/Yellow Green		Ground

Two Ways for Power Connection

1. Wire together with the Light Fixture (recommended) so that the UVC Air Sanitizer operates when the Light fixture is ON and is controlled by the wall switch.

2. Wire UVC Air Sanitizer separately from the Light fixture with a dedicated line and switch so it can be run 24/7 if desired.

Note:
The UVC Air Sanitizer has an ON/OFF power switch on the front of the unit.
(The ON/OFF switch does not operate the Panel light. The panel light can be ON and the UVC Air Sanitizer can be ON or OFF)

HANGER WIRE INSTRUCTIONS

1. Push the wire through one end, the wire comes out from one hole in the middle.

2. Push the wire through another end, the wire comes out from the other hole in the middle.

3. Pull the wire to shorten the length.

4. Push the ends to loosen the wire.