

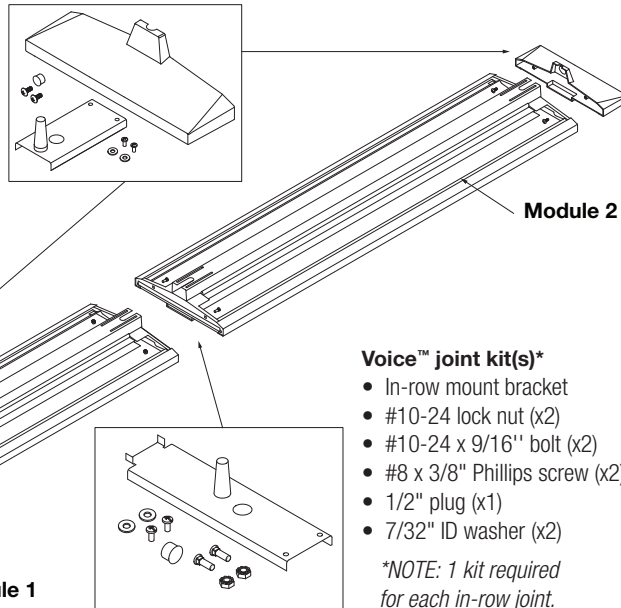
### System Overview

These instructions review how to install Voice suspended fixtures. Voice 4ft and 8ft modules can be installed as individual standalone units, or they can be joined together to create continuous rows. The graphic below shows the components required to install a typical row of Voice suspended fixtures.

#### Voice™ end kit(s)\*

- Endcap (x1)
- End-of-row mount bracket (x1)
- 1/2" plug (x1)
- #10-24 x 1/2" Phillips screw (x2)
- 7/32" ID washer (x2)
- #8 x 3/8" Phillips screw (x2)

\*NOTE: 2 kits required for each row (one for each end).



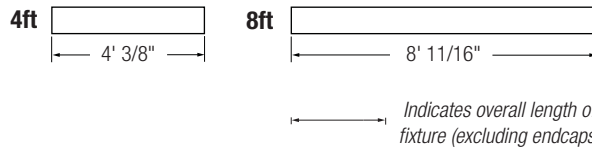
#### Voice™ joint kit(s)\*

- In-row mount bracket
- #10-24 lock nut (x2)
- #10-24 x 9/16" bolt (x2)
- #8 x 3/8" Phillips screw (x2)
- 1/2" plug (x1)
- 7/32" ID washer (x2)

\*NOTE: 1 kit required for each in-row joint.

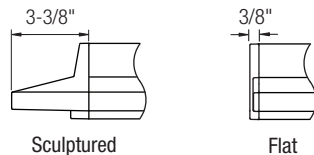
### Module Lengths

Voice suspended systems come in 4ft and 8ft modules. Overall module lengths are shown right. Module lengths do not include endcaps.



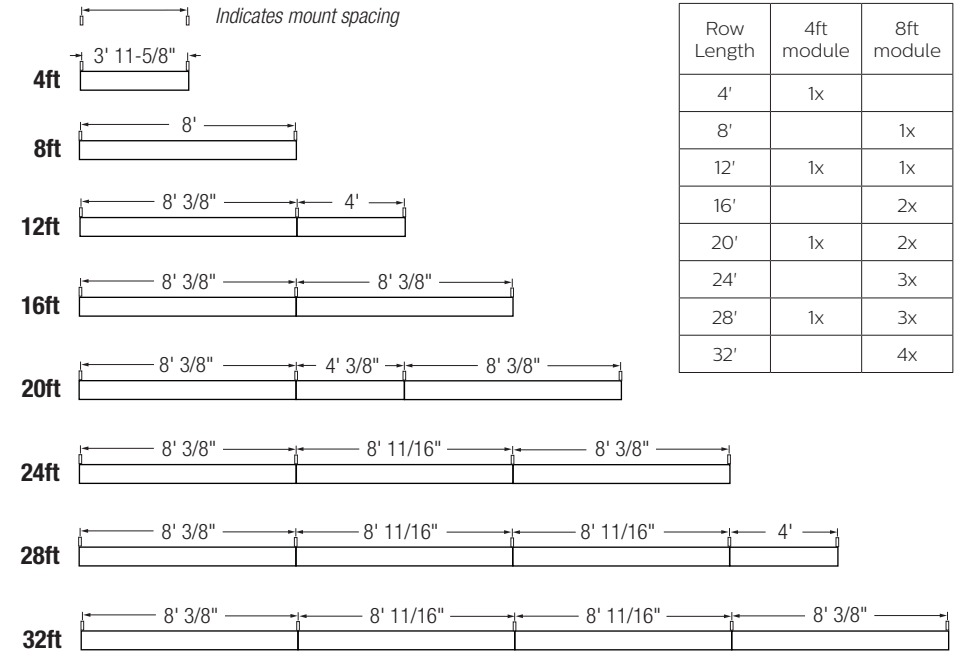
### Endcaps

Add two endcaps to the length of each row. The standard Voice endcap is sculptured. There is also a flat endcap option.



### Mount Spacing

For on-grid T-bar ceiling installations, mounts attach directly to Tee. For non-accessible ceilings and off-grid T-bar installations, the graphic below indicates mount spacing for typical row lengths.



### Row Configurations

The table below indicates how 4ft and 8ft modules can be combined to create continuous rows of various lengths.

Row Length	4ft module	8ft module
4'	1x	
8'		1x
12'	1x	1x
16'		2x
20'	1x	2x
24'		3x
28'	1x	3x
32'		4x

### IMPORTANT

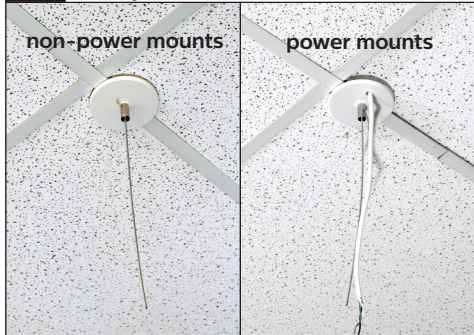
Voice door frames are attached to the fixture using plastic straps. The straps are an important safety feature. They also allow hands-free maintenance and re-lamping. **DO NOT CUT SAFETY STRAPS OR REMOVE THEM FROM DOOR FRAMES.**

To learn how to open door frames during installation, please review instruction A on page 3.



**ATTENTION: Install in accordance with national and local building and electrical codes.**

### 1 Install ceiling mounting components



Install ceiling components using separate installation instructions for Aircraft Cable Mounting (supplied).

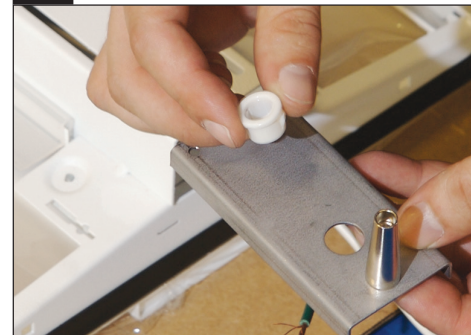
**NOTE: Image shows mount type A6 for on-grid T-bar mounting. Other mounting systems are available for different ceiling requirements (refer to Ledalite's Suspended Mounting Options).**

### 2 Unpack / prepare fixtures



Arrange boxed fixtures on floor in specified mounting locations; remove fixtures from boxes; remove plastic from fixtures.

### 3 Install end-of-row mount brackets



Snap bushing (power locations) or plug (non-power locations) into end-of-row mount bracket (image shows end-of-row bracket with bushing for power location).

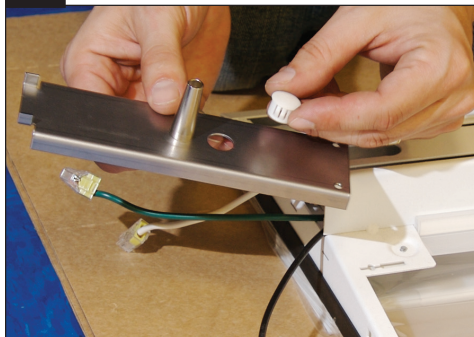


Slide bracket into end of fixture. Attach bracket to fixture using supplied washers and screws.

**NOTE: Bracket screws should be firmly attached but still allow sliding room for adjustment in ceiling.**

INSTALLING INDIVIDUAL MODULES: Repeat STEP 3 at other end of fixture and then skip to STEP 5.

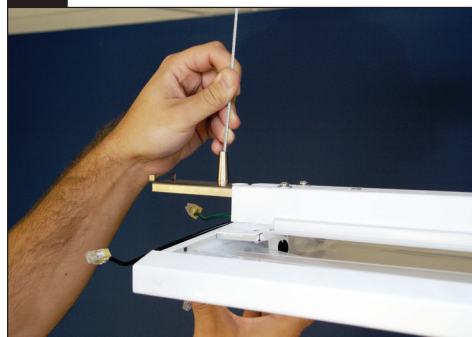
### 4 Install in-run mount brackets



Snap bushing (power locations) or plug (non-power locations) into in-run mount bracket (image shows in-run bracket with plug for non-power location). With tabs on bracket facing outward, slide bracket into joint end of fixture. Attach bracket using supplied hardware.

**NOTE: Bracket screws should be firmly attached but still allow sliding room for adjustment in ceiling.**

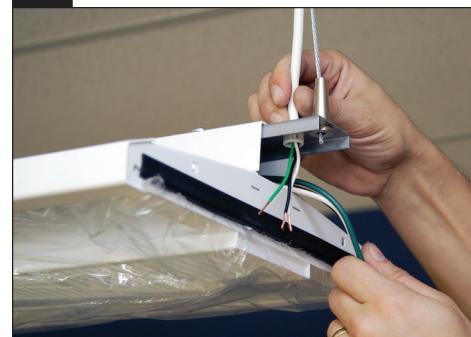
### 5 Suspend and level first fixture



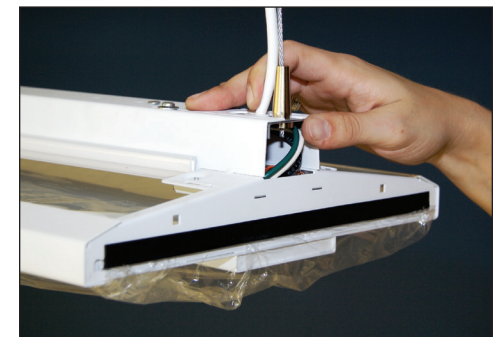
With two people, raise first fixture to ceiling. At each end of fixture, insert aircraft cable through aircraft cable adjuster (located on mount bracket). The adjuster will automatically grip and hold the cable.

**IMPORTANT: Do not force cable into adjuster. See instruction B (next page) for details. To level fixture, support fixture from below and use supplied aircraft cable release tool to make fine height adjustments. Trim aircraft cable below adjuster as required.**

### 6 Complete electrical connections at end



**POWER LOCATIONS:** Feed power cord through bushing (shown above). Complete electrical connections using wire nuts (supplied by others).



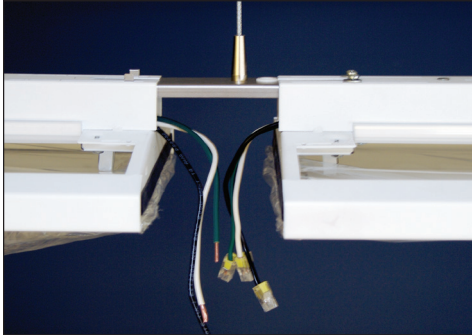
Tuck wires into wire cavity. Slide bracket so it is flush with end of fixture.

**NON-POWER LOCATIONS:** Cap all wires and tuck into wire cavity.



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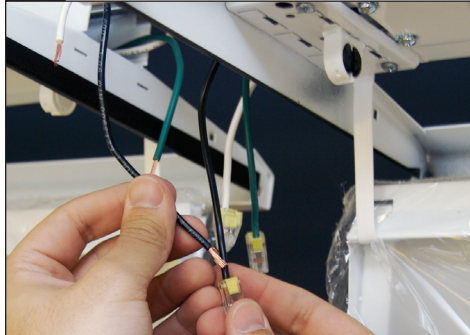
### 7 Suspend and join additional fixtures to create row



With two people, raise second fixture to ceiling. At end of fixture (opposite joint), insert aircraft cable through adjuster. At joint, rest fixture on in-run joiner bracket.

**IMPORTANT: Do not attempt to join fixtures on floor. Instead, hang one fixture at a time and join modules at ceiling level.**

### 8 Complete electrical connections at joints



Complete in-run electrical connections. **NON-POWER LOCATIONS** (shown above): Use supplied quick-wire connectors. Tuck wires into wire cavity. **POWER LOCATIONS** (shown in STEP 6): Feed power cord through bushing in bracket. Use wire nuts (supplied by others to complete connections. Tuck wires into wire cavity.

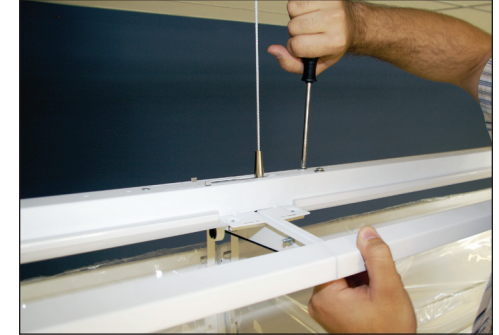
### 9 Secure joints (from below and above) and level all fixtures



Slide modules together; secure joint from below using supplied nut and bolt hardware (requires 3/8" nut driver).

**IMPORTANT: Ledalite recommends tightening fasteners by hand. When joining modules, ensure nut is tightened snug plus an additional 1/4 turn.**

**NOTE: Door frames must be open to complete this step. Do not cut safety straps on door frame. See instruction A for details.**



Secure in-run bracket from above using supplied screws (requires Phillips screwdriver). **LEVEL FIXTURE:** Ensure fixture is level end-to-end. Support fixture from below and use supplied aircraft cable release tool to make fine height adjustments. Trim aircraft cable below adjuster as required.

Repeat STEPS 7 to 9 for each additional fixture in row.

### 10 Install endcaps



Attach endcap to first and last module in each row using supplied hardware.

**TOOLS:** Sculptured endcap requires Phillips screwdriver; flat endcap requires 3/8" nut driver.

### 11 Finishing

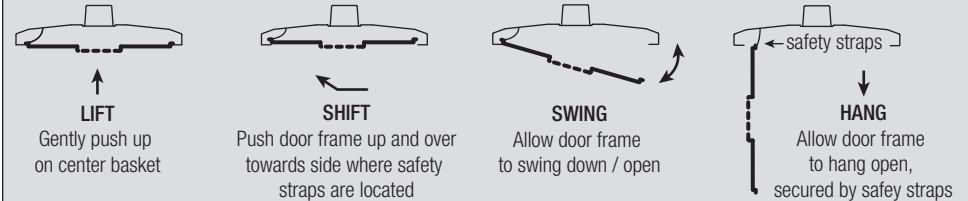
#### Lamp fixtures

Close door frames: Swing door frame up and insert side where safety straps are located, then close door completely and insert on other side, ensuring a secure fit.

Secure all components: Tighten screws at all end-of-run and in-run mount brackets and endcaps.

### A How to open door frames

**IMPORTANT: Do not cut or remove plastic safety straps from door frames. To open door frames, follow steps below.**



### B How to insert aircraft cable into adjuster

**IMPORTANT: Do not force cable into adjuster. To insert cable into adjuster, follow the steps below.**

1. **CUT:** If required, cut cable ends cleanly prior to inserting into adjuster. Recommended cutters: K.K. Porter cable cutter cat. No. 0690TN or Klein all purpose shears cat. No. 1104

2. **INSERT:** Carefully insert cable into tapered end. If cable does not insert easily or becomes jammed during insertion, use the release tool provided to remove cable. Trim end again and repeat process. Do not bend cable below bottom of adjuster.

3. **TEST:** Once cable is inserted, apply a 25lb point load to each mount bracket to ensure all connections are secure.



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