

HP-2 Direct Acoustic Baffle Lit Installation Instructions

Step 1 - Mounting & Suspension

Mounting Options

Option 1 T-Bar Mounting - GridBox™ and Caddy Clips

- **Illuminated Unit Only:** Install GridBox™ and electrical conduit at feed locations.
- Install caddy clips at mounting point locations.
- All caddy clips are to be secured to structure, per local building codes.

Option 2 Drywall (C4) or other hard surfaces* - J-Box and Anchor Bolts

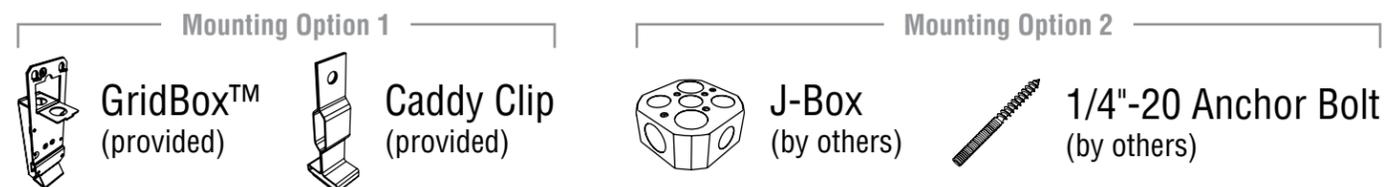
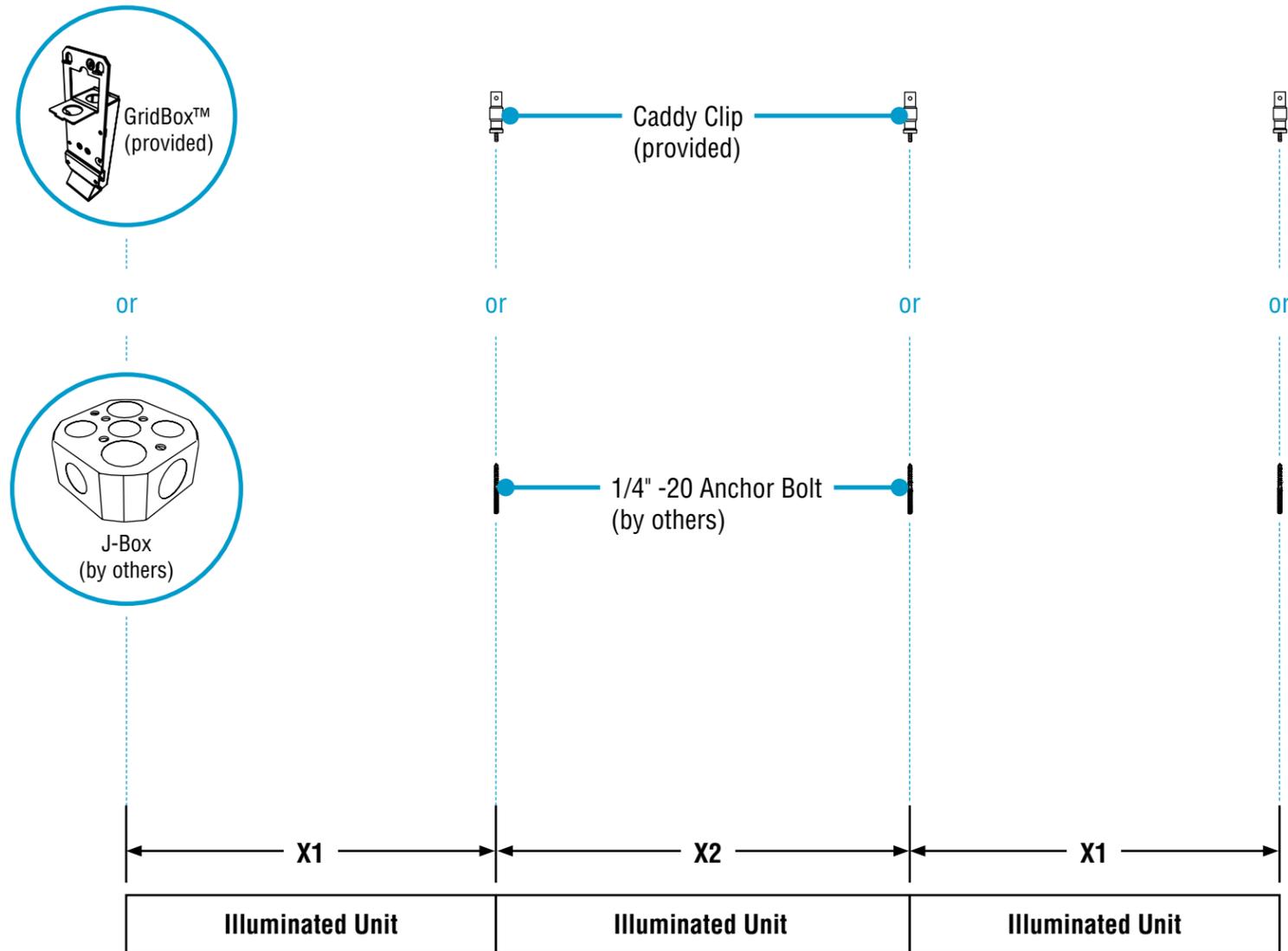
- **Illuminated Unit Only:** Install J-Box and electrical conduit at feed locations.
- Install anchor bolts at mounting point locations.
- All anchor bolts are to be secured to structure, per local building codes.

* Other hard surfaces include: wood, sheet metal panels, steel beams, concrete, or masonry. Use hardware appropriate for each surface material type.

Suspension Locations

X = Suspension Dimensions

Refer to Record Drawings and building plans to determine exact mounting, suspension points, and power feed locations.



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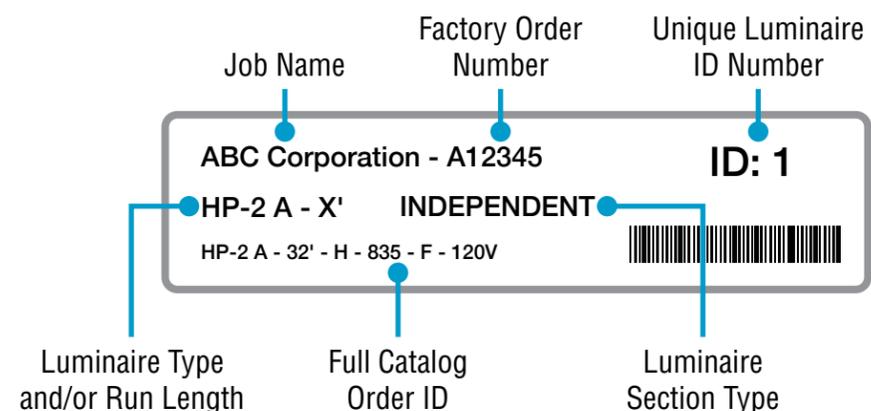
Step 2 - Identification & Preparation

A. Identify Luminaires



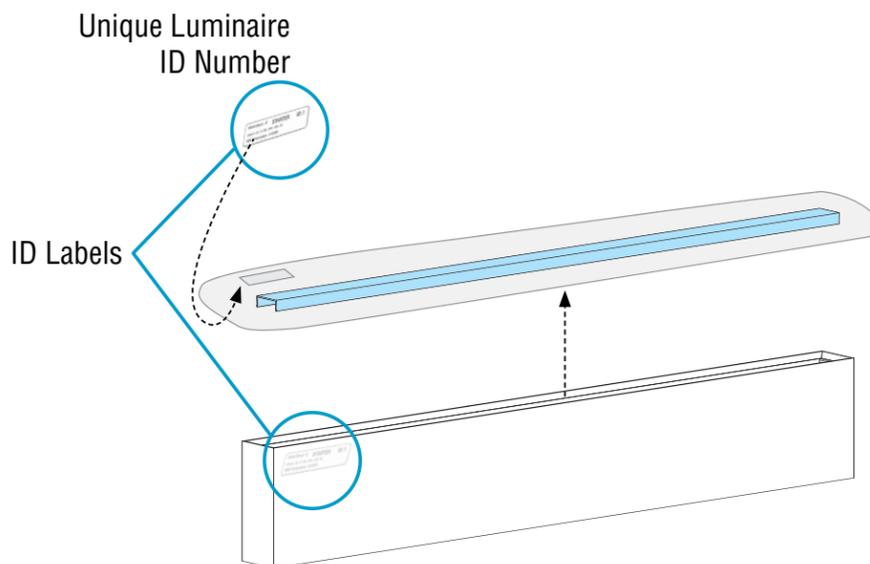
Arrange luminaires in order according to ID# at their install locations.

CAUTION



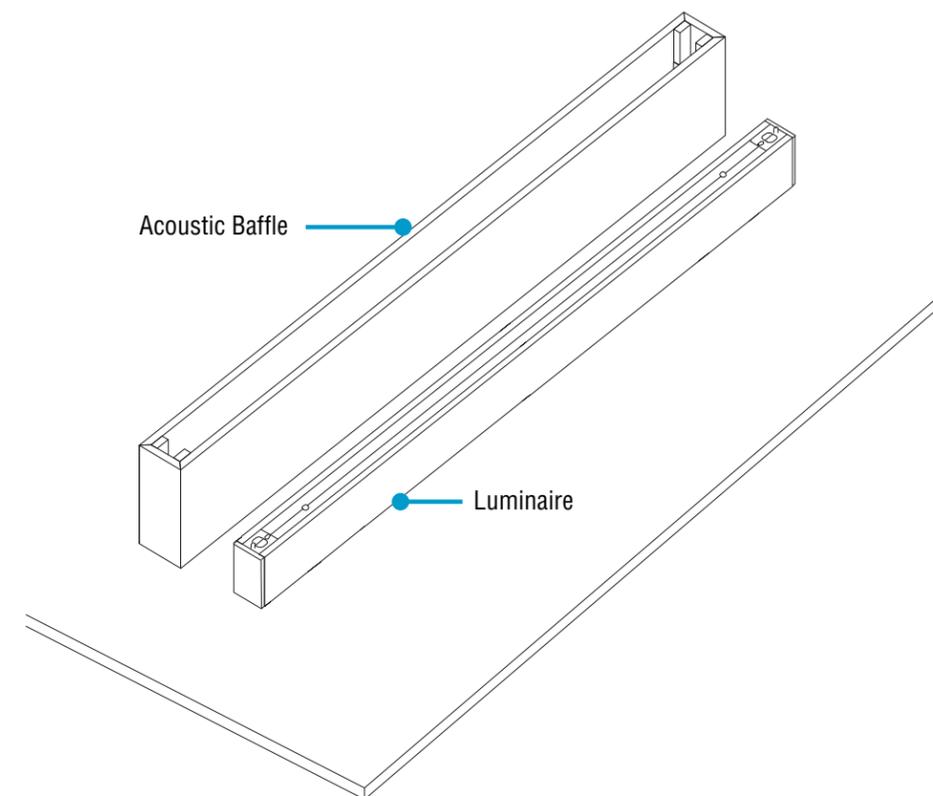
- Identify all luminaires by their ID label that can be found on the box, the protective bag, and inside the luminaire.
- **NOTE:** Exact location of labels in these areas may vary.
- Remove all luminaires from their box.
- Refer to Record Drawings that can be found in the hardware kit.

B. Remove Diffusers Top-Down View



- Carefully remove all diffusers, keeping them inside their protective bag.
- Set aside all diffusers to prevent them from getting dirty or damaged.
- Ensure diffusers can be clearly identified back to their corresponding luminaire.

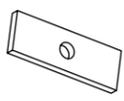
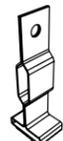
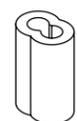
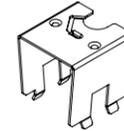
C. Setup Top-Down View



- Remove Acoustic wrap from fixture to install suspension hardware.

Kitted Hardware

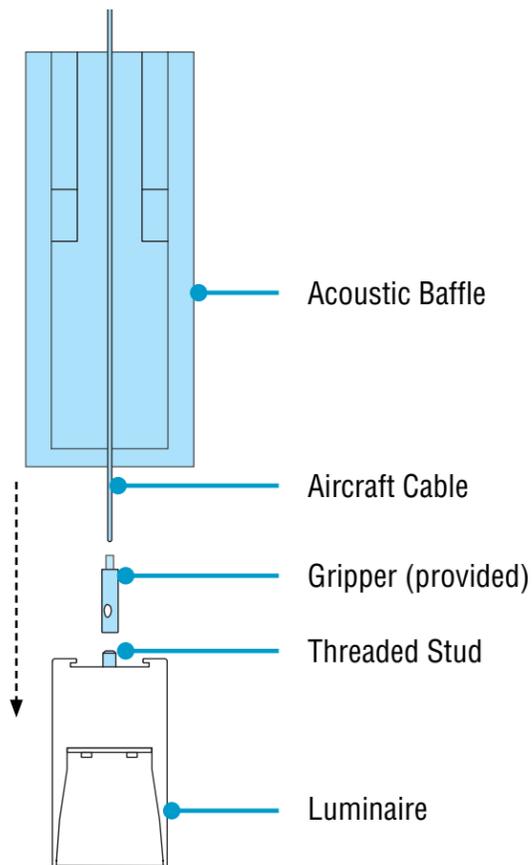
- Finelite has provided items listed here, with their Finelite part numbers. These items can be found in separate boxes shipped with the luminaire.
- Account for all parts and set aside until they are needed.
- All other hardware needed for this installation will be by others.

Mounting Option 1		Mounting Option 2					
	GridBox™ Part# 89159		3-1/2" Canopy Part# 89191		5" Canopy Part# 94085		Gripper Part# 68129 Mounting Illuminated Unit p. 4-5, Step 3 Mounting Non-Illuminated Unit p. 7
	Dual GridBox™ Part# 89199 Mounting & Suspension p. 2, Step 1		3-1/2" Dual Feed Canopy Part# 89192 Mounting Illuminated Unit p. 4-5, Step 3		5" Dual Feed Canopy Part# 94145 Mounting Illuminated Unit p. 4-5, Step 3		Safety Bar Part# 93500 Mounting Illuminated Unit p. 4-5, Step 3 Mounting Non-Illuminated Unit p. 7
	Caddy Clip C1 Ceiling - Part# 94001 C2 Ceiling - Part# 94020 C3 Ceiling - Part# 94029 Mounting & Suspension p. 2, Step 1		3-1/2" T-Bar Support Canopy Part# 89193 Mounting Illuminated Unit p. 4-5, Step 3 Mounting Non-Illuminated Unit p. 7		2" Drywall Support Canopy Part# 94017 Mounting Illuminated Unit p. 4-5, Step 3 Mounting Non-Illuminated Unit p. 7		Safety Crimp Part# 94514 Mounting Illuminated Unit p. 4-5, Step 3 Mounting Non-Illuminated Unit p. 7
							Cable Bushing Part# 94014 Aircraft Cable 50" - Part# 94515-12 (Std.) 100" - Part# 94515-14 150" - Part# 94515-18 Mounting Illuminated Unit p. 4-5, Step 3 Mounting Non-Illuminated Unit p. 7
							Slip Ring w/ Set Screw Part# 94015 Mounting Illuminated Unit p. 4-5, Step 3
							Joiner Clamp Part# 29635 Mounting luminaire to Structure p. 6, Step 4
							#6x1" Flat Head Screw Part# 94345 Mounting Illuminated Unit p. 4, Step 3 & p. 6, Step 4

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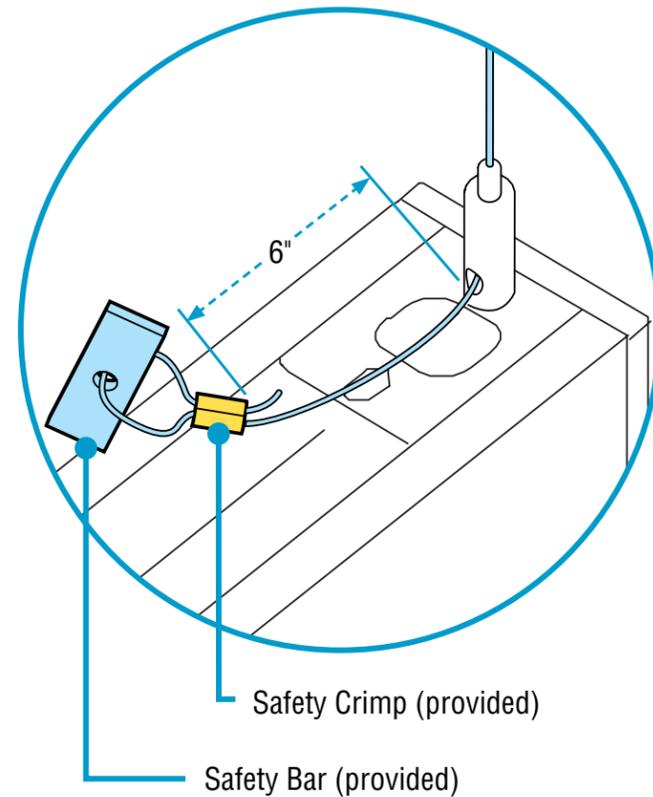
Step 3 - Mounting Illuminated Unit to Structure

A. Install Aircraft Cables



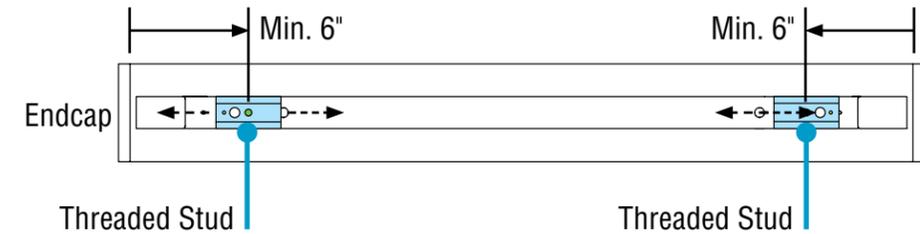
- Attach grippers onto threaded stud.
- Feed the aircraft cable through gripper.

B. Crimp Cables Top-Down View



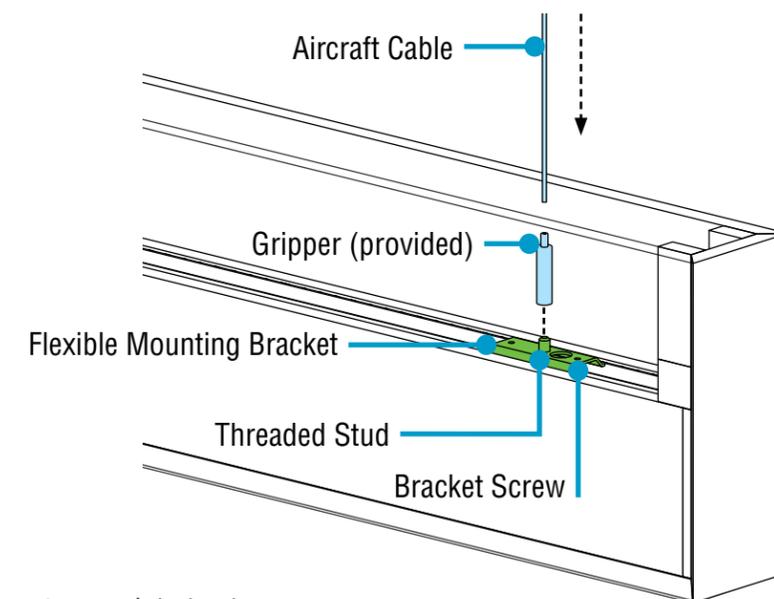
- Estimate required length of cable and add 8"
- Loop cable through safety crimp and safety bar, then back through safety crimp.
- Crimp, then cut excess cable.
- Slide acoustic baffle onto luminaire. Aircraft cable exits through the top of acoustic baffle

OPTIONAL Flexible Mount pendant brackets are adjustable for custom mounting locations.



- **NOTE:** Minimum 6" from end of housing to threaded stud on pendant bracket.
- Maximum distance depends on length of luminaire (see table).

Luminaire Length	Max.
4' - 8'	24"



- Loosen (**but do not remove**) the bracket screw.
- Slide flexible mount pendant bracket to desired location and tighten screw to secure.
- Attach gripper onto threaded stud.
- Feed bushing/cable assembly through gripper by depressing top of gripper.
- Allow excess cable to rest atop luminaire. Crimp then trim, if necessary.

Mounting Option 1 (shown)

- 3-1/2" Canopy (provided)
- 2" T-Bar Support Canopy (provided)

Mounting Option 2

- 5" Canopy (provided)
- 2" Drywall Support Canopy (provided)

- Slip Ring w/ Set Screw (provided)

- Bushing/Cable Assembly (provided)

- Gripper (provided)

- Safety Crimp (provided)

- Safety Bar (provided)

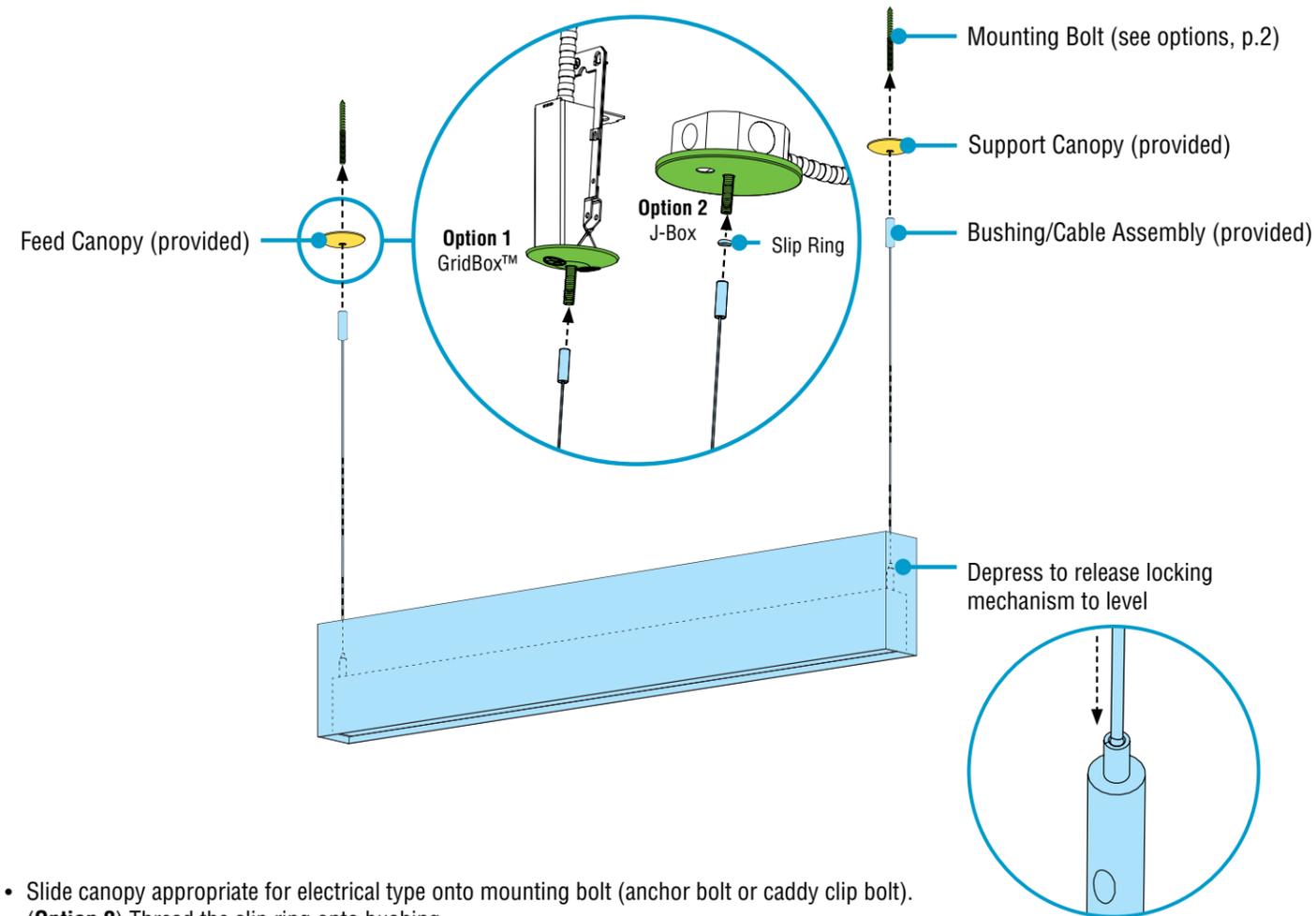


Aircraft Cable Installation

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Step 3 - Mounting Illuminated Unit to Structure

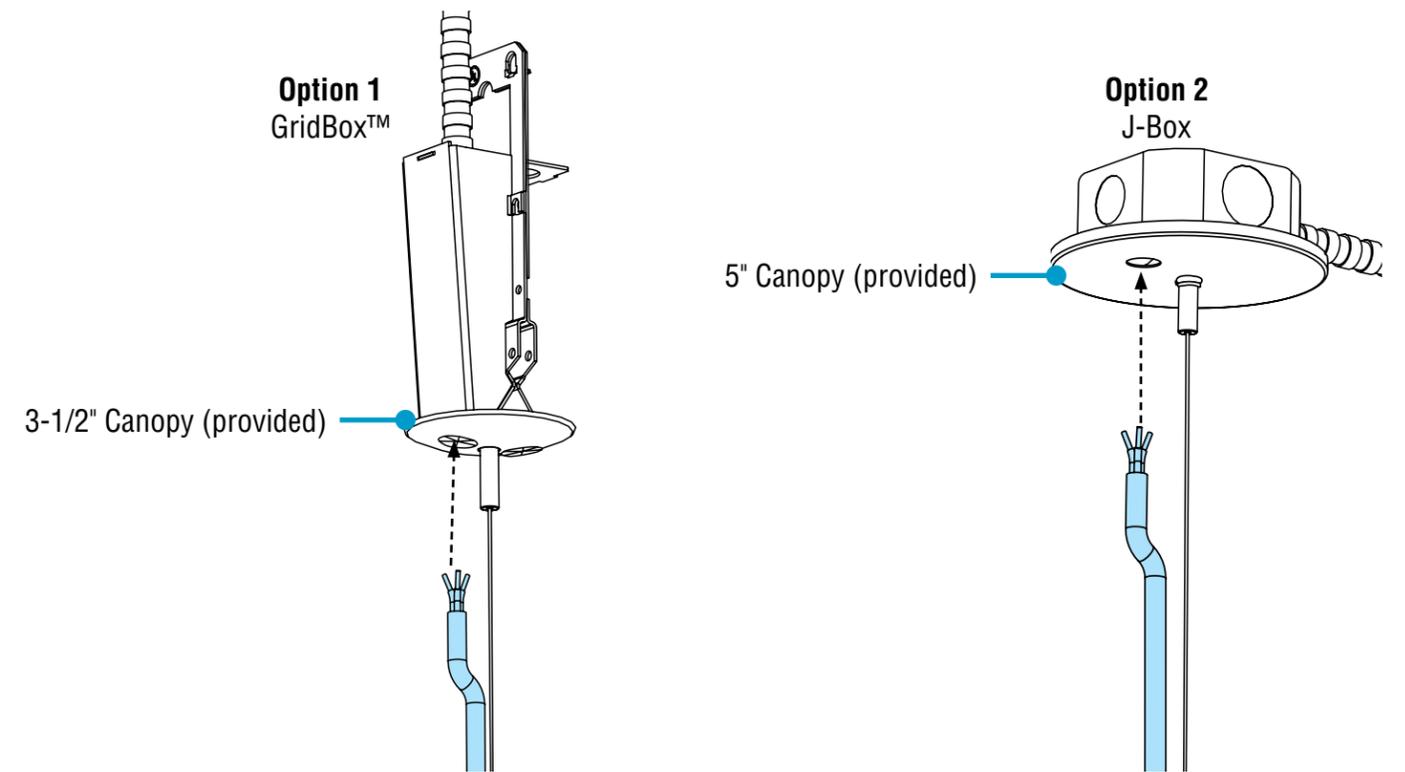
C. Mount Illuminated Unit to Structure Bottom-Up View



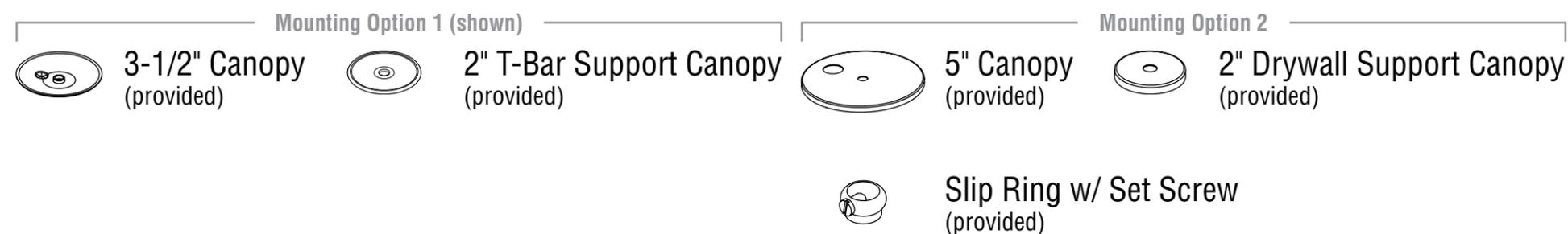
- Slide canopy appropriate for electrical type onto mounting bolt (anchor bolt or caddy clip bolt).
- **(Option 2)** Thread the slip ring onto bushing.
- While properly supporting luminaire, maneuver luminaire to ceiling. Thread the bushing/cable assembly onto mounting bolts.
- **CRITICAL:** Level each luminaire to desired height by depressing top of gripper to adjust cable length.

D. Mounting Illuminated Unit to Structure Bottom-Up View

WIRING LEGEND		
Black	Hot	Line Voltage
White	Neutral	Line Voltage
Green	Ground	
Pink	Dimming	0-10V DC
Purple	Dimming	0-10V DC



- **(Option 1)** Feed power cord through the 3-1/2" canopy and connect wires inside the GridBox™.
- **(Option 2)** Feed power cord through the 5" canopy and connect wires inside the J-Box.
- **CRITICAL:** If installing an independent luminaire, perform all leveling. **PROCEED TO STEP 7, PAGE 9.**



0-10V Dimming

HP-2 Direct Acoustic Baffle Lit Installation Instructions

Step 4 - Joining Luminaires

A. Mount Joiner/Ender to Structure Bottom-Up View



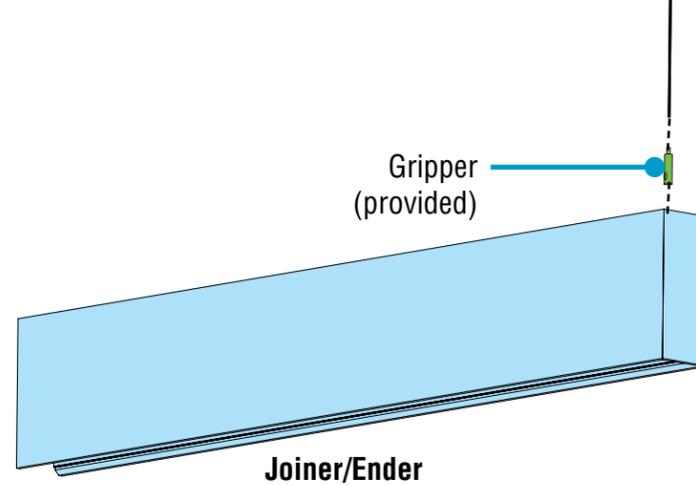
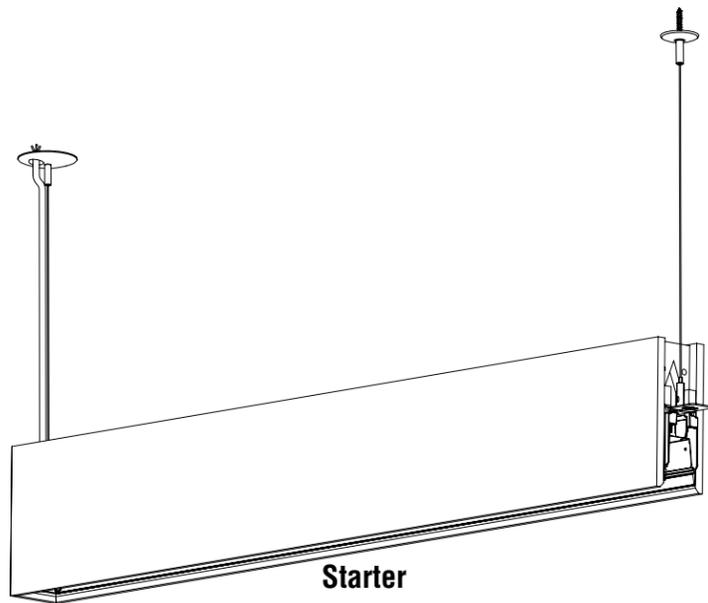
DO NOT attempt to join luminaires together on the floor. Damage may result when lifted. Follow these instructions.

CAUTION

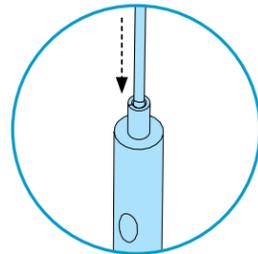
Mounting Bolt (see options, p.2)
Support Canopy (provided)
Bushing/Cable Assembly (provided)

Gripper (provided)

Joiner/Ender



Depress to release locking mechanism to level



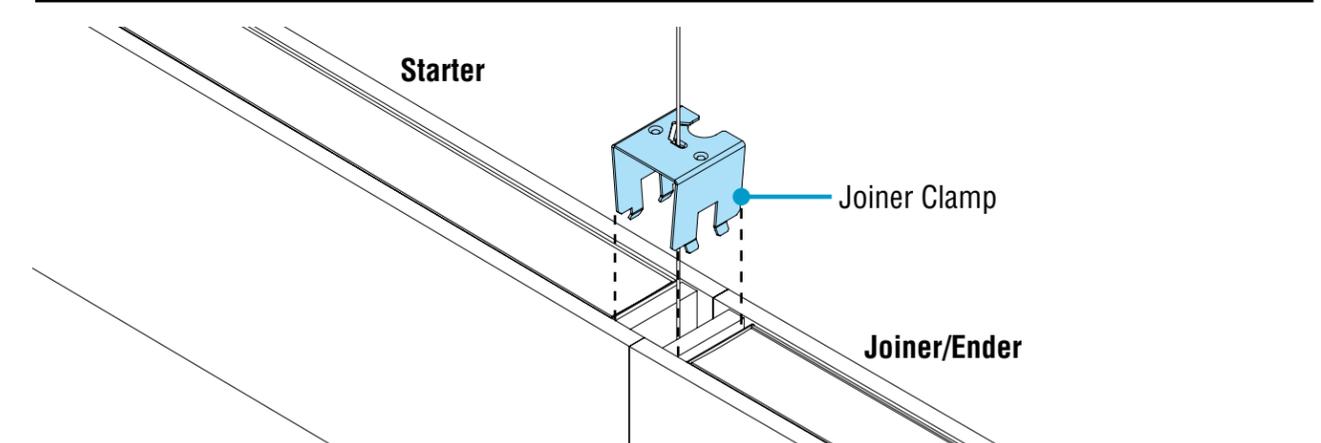
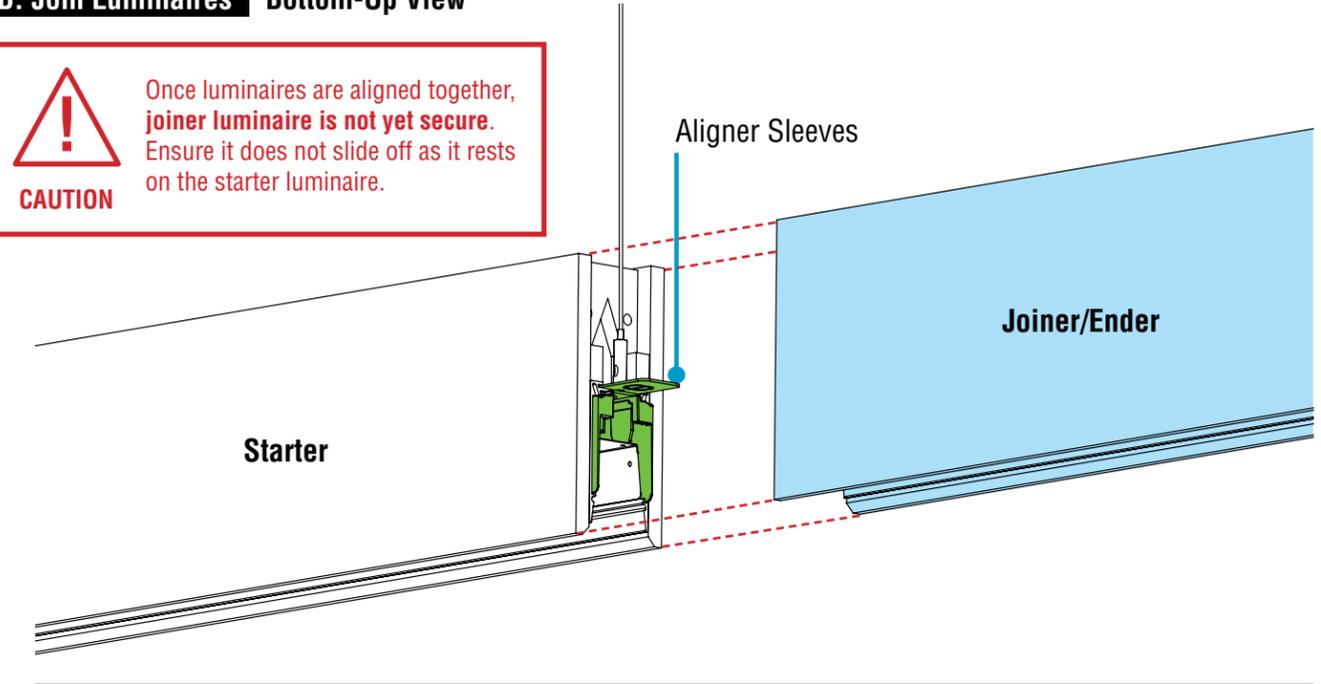
- While properly supporting luminaire, maneuver luminaire to ceiling.
- Slide canopy appropriate for electrical type onto mounting bolt (anchor bolt or caddy clip bolt).
- Thread the bushing/cable assembly onto mounting bolt.
- **CRITICAL:** Level each luminaire to desired height by depressing top of gripper to adjust cable length before join. Level prior to moving on to the next step.

B. Join Luminaires Bottom-Up View



Once luminaires are aligned together, **joiner luminaire is not yet secure.** Ensure it does not slide off as it rests on the starter luminaire.

CAUTION



- Align joiner/ender luminaire with aligner sleeves on starter and slide together. Be careful not to damage any wiring.
- If necessary, lift both luminaires, then slide together.
- Place Joiner Clamp at joint. (Screws to be installed in Step 7.)

Mounting Option 1 (shown)



3-1/2" Canopy (provided)



2" T-Bar Support Canopy (provided)

Mounting Option 2



5" Canopy (provided)



2" Drywall Support Canopy (provided)



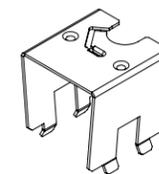
Slip Ring w/ Set Screw (provided)



Bushing/Cable Assembly (provided)



Gripper (provided)



Joiner Clamp (provided)



#6x1" Flat Head Screw (provided)



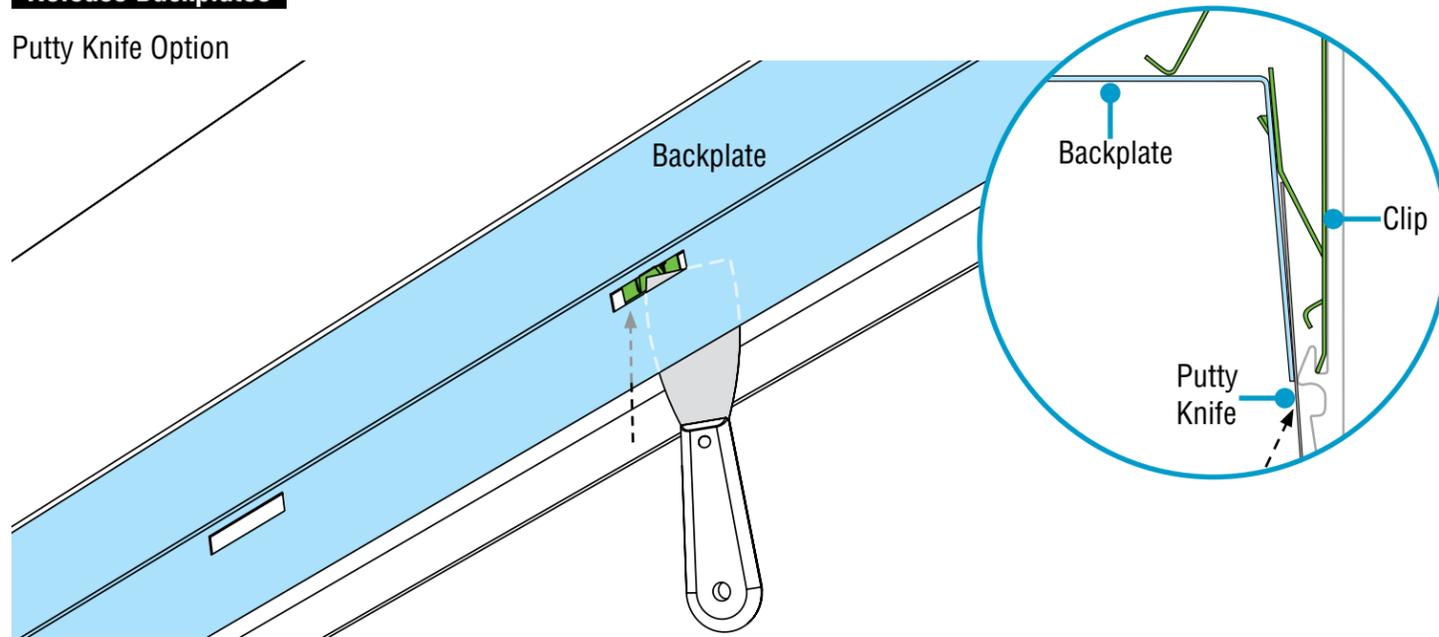
Joint Installation

HP-2 Direct Acoustic Baffle Lit Installation Instructions

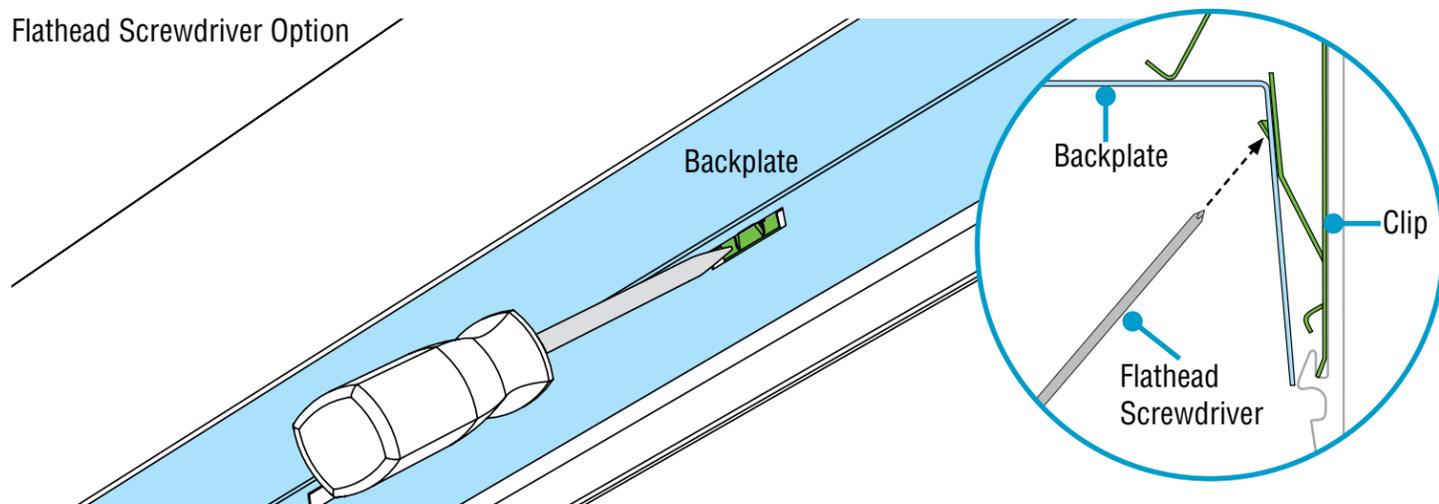
Step 5 - Opening Luminaires

Release Backplates

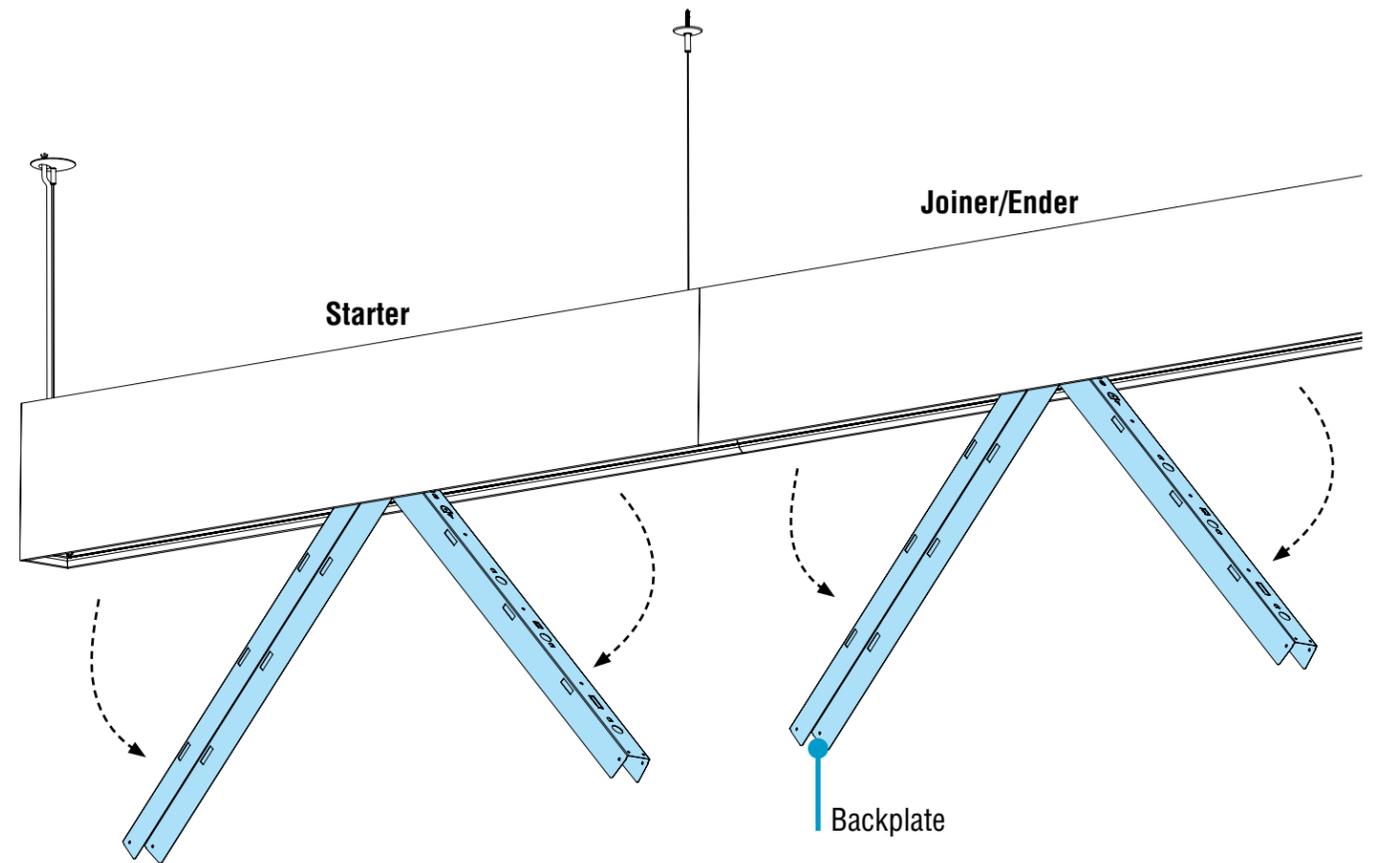
Putty Knife Option



Flathead Screwdriver Option



- **NOTE:** For independent luminaires, backplates do not need to be released.
- Release the backplates from clips by sliding the blade of a putty knife behind backplate edges.
- To use a flathead screwdriver, press end of screwdriver (from inside the luminaire) against the clip, until the backplate is released.

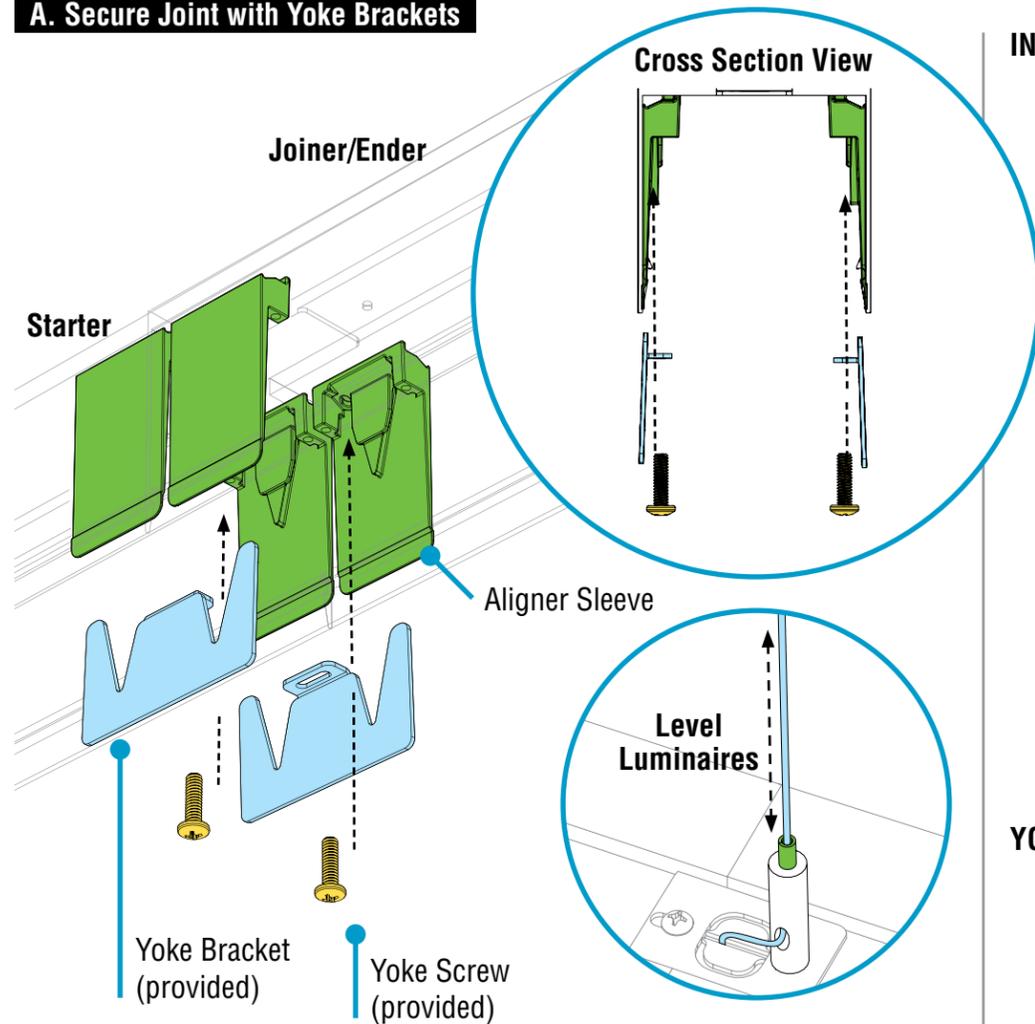


- Carefully rotate all backplates out and let them hang from luminaire body.

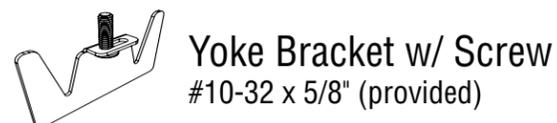
HP-2 Direct Acoustic Baffle Lit Installation Instructions

Step 6 - Securing Luminaire Joints

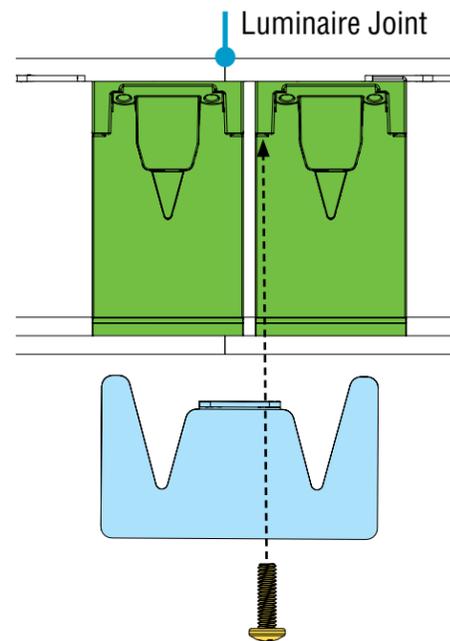
A. Secure Joint with Yoke Brackets



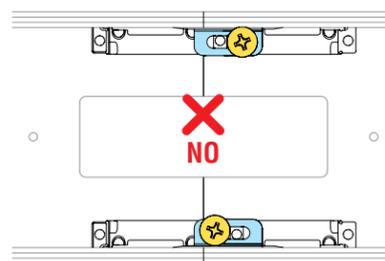
- **FOR SENSOR:** If luminaire contains a sensor at joint, refer to page 4 of Sensor Addendum before Securing Luminaire Joints.
- Before installing yoke brackets, ensure the joining ends of luminaires meet flush and square.
- **CRITICAL:** Ensure yoke brackets properly engage with aligner sleeves.
- Secure joint by threading (but not yet tightening) yoke screws through yoke brackets and into the aligner sleeves.
- Level all luminaires to desired height by depressing top of grippers to adjust cable lengths.
- Tighten yoke screws¹ until joint seam of luminaires is closed.



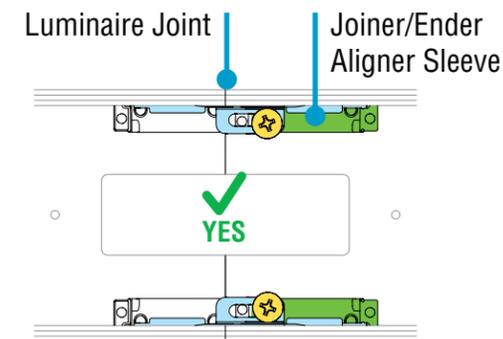
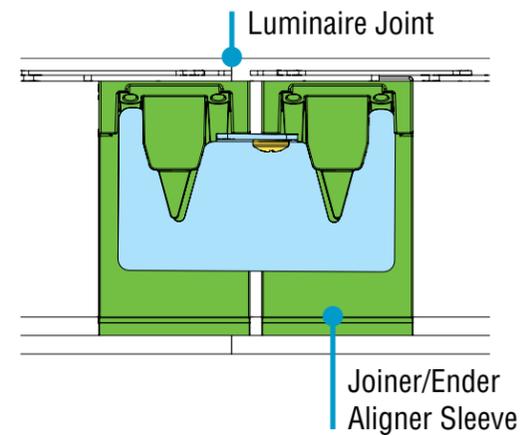
IN ALIGNMENT



YOKE SCREW ALIGNMENT Bottom Up View

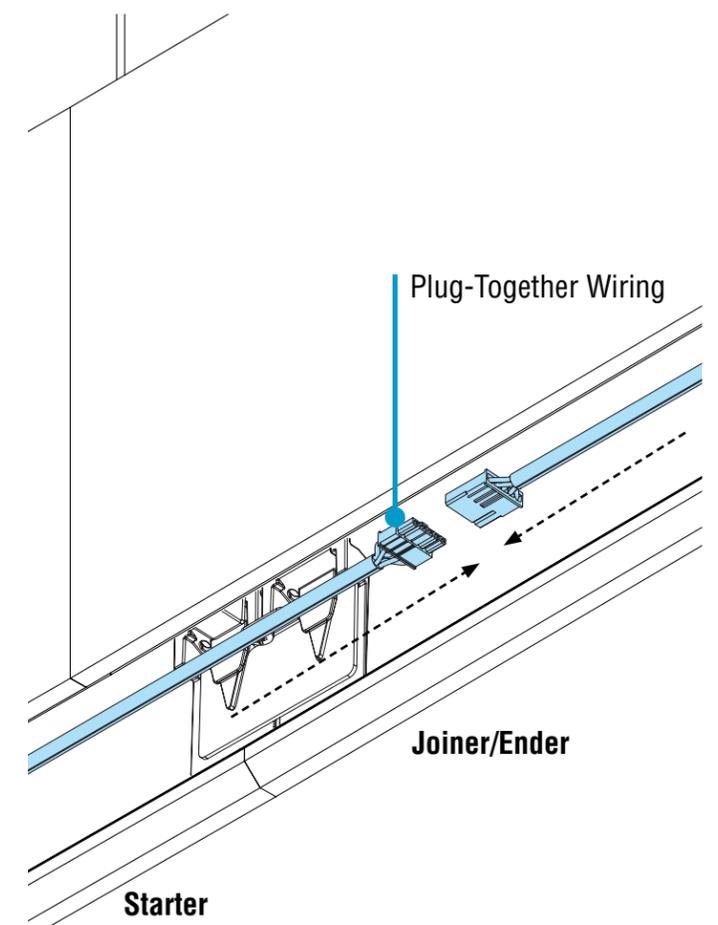


CORRECTLY INSTALLED



NOTE: Yoke screws should be installed directly across from each other, not diagonally, and in holes furthest from the joint line. One yoke screw per one yoke bracket.

B. Make Electrical Connections



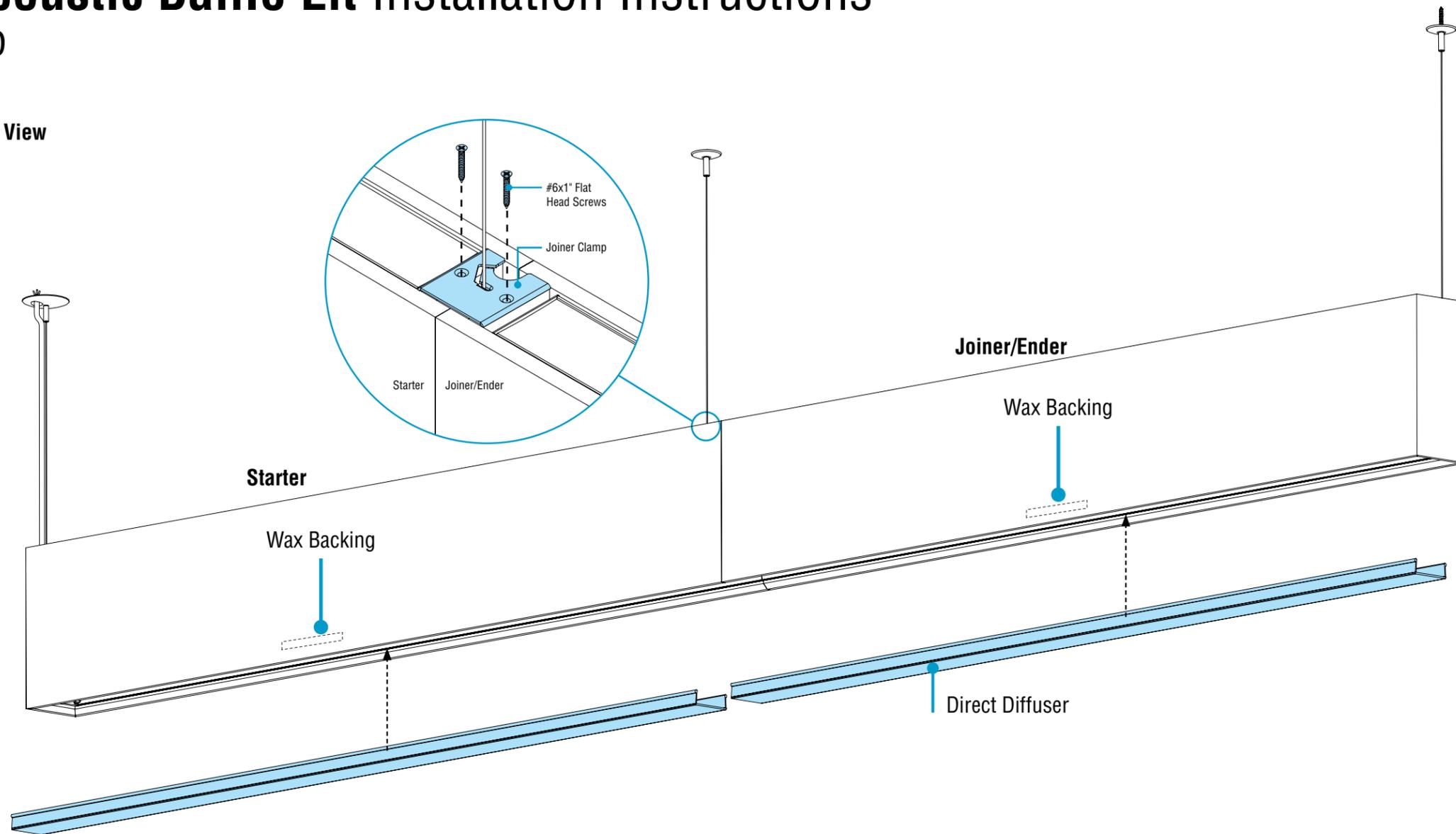
- Connect plug-together wiring.

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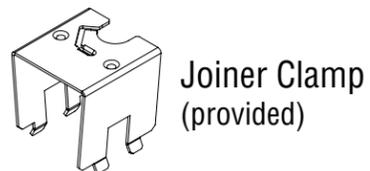
Step 7 - Final Step

FINELITE[®]
Better Lighting

Replace Diffusers Bottom-Up View



- **NOTE:** If your installation includes a battery backup, please see addendum (98333) that should be included with your kitting package.
- Peel off wax backing from double sided tape, which is located on the internal side of acoustic baffle, and apply pressure firmly onto luminaire. For easier access to tape, lift the acoustic sleeve up above the luminaire.
- Install two #6x1" screws to secure Joiner Clamp.
- Remove diffuser from protective plastic bag.
- **CAUTION:** Wear gloves to keep diffuse surface clean.
- **CRITICAL:** Be sure to install correct diffuser to its corresponding luminaire ID.
- Install diffuser into luminaire body, ensuring it snaps into place.
- Turn on power to luminaires.



#6x1" Flat Head Screw
(provided)



Finish
Installation