

# HP-4 Circle Direct 2', 3', & 4' Installation Instructions

## Overview

### NOTES

- All power connections should be installed according to local/national codes by a Certified Electrician.
- This installation requires **proper support** as each luminaire is being installed.
- **DO NOT attempt to install with single operator.**



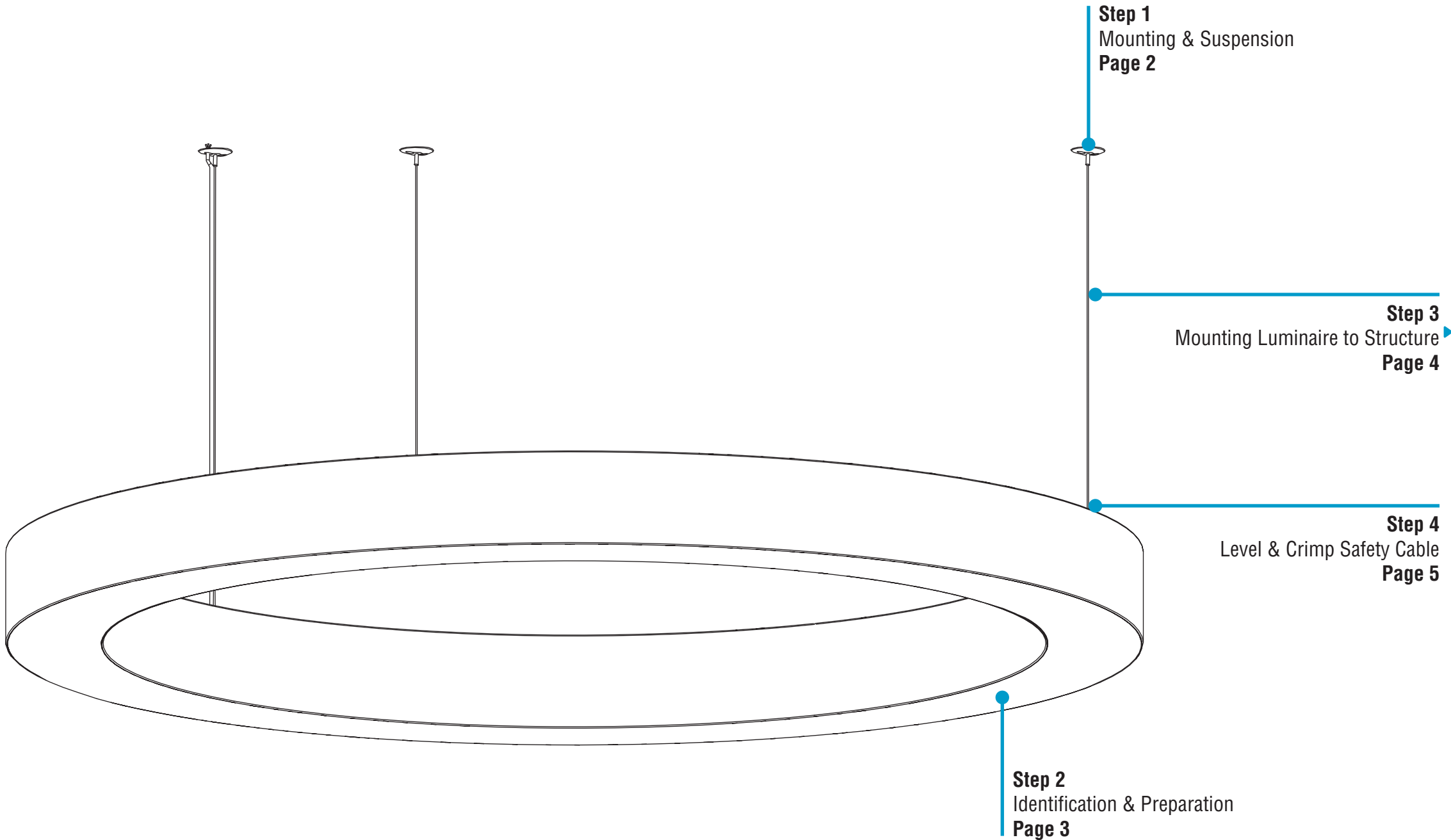
HELPFUL  
VIDEO



0-10V  
Dimming



Circle  
Diffuser  
Installation



# HP-4 Circle Direct 2', 3', & 4' Installation Instructions

## Step 1 - Mounting & Suspension

### Mounting Options Top-Down View

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

- Locate power feed on luminaire.
- Install GridBox™ and electrical conduit at feed location.
- Install caddy clips at mounting point locations.
- All caddy clips are to be secured to structure, per local building codes.

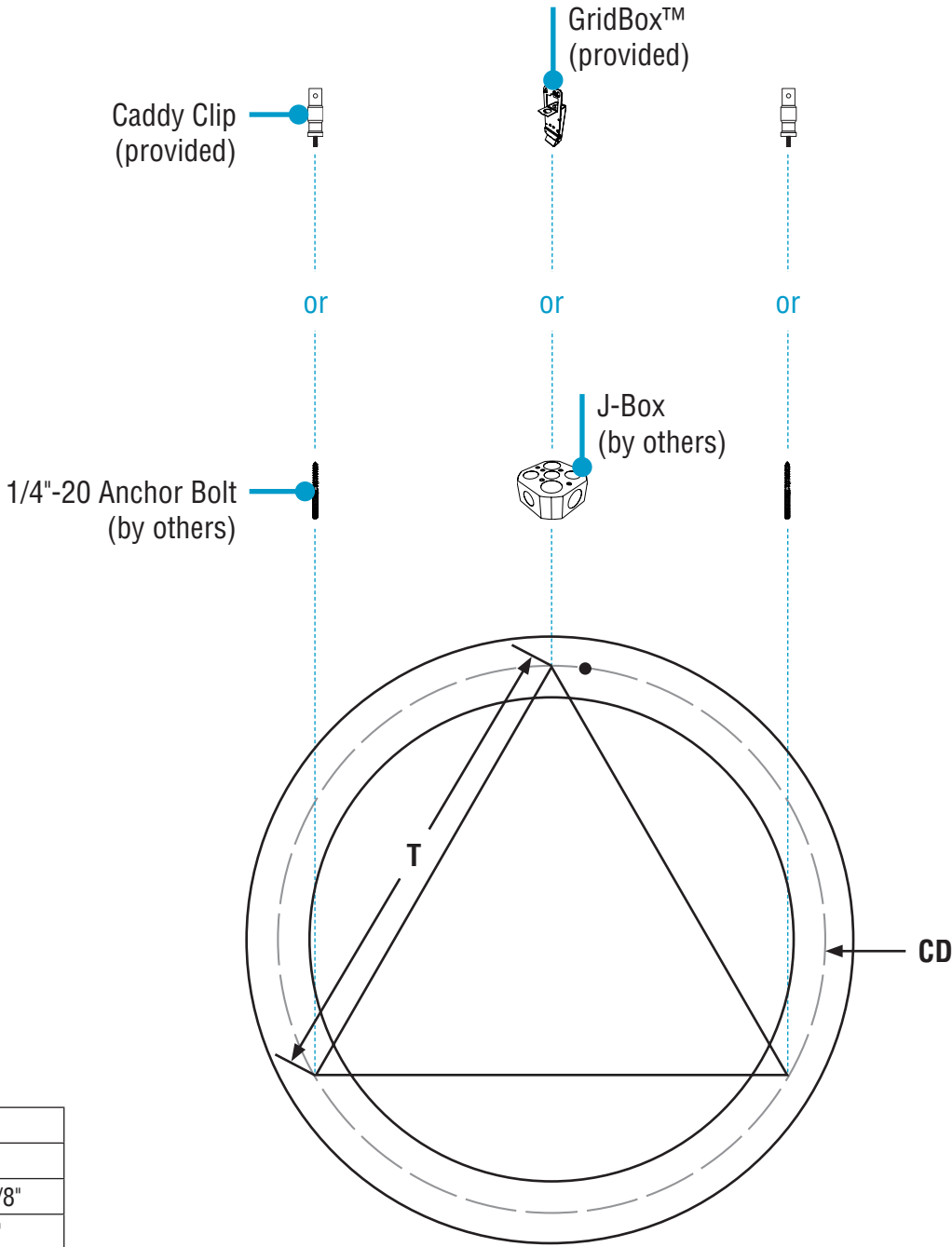
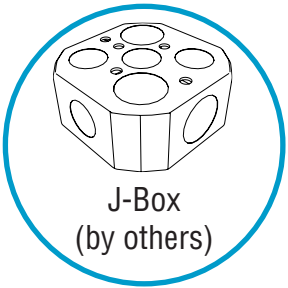
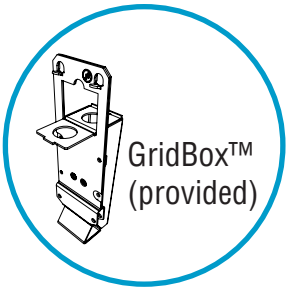
#### Option 2 Drywall (C4) or other hard surfaces\* J-Box and Anchor Bolts

- Locate power feed on luminaire.
- Install J-Box and electrical conduit at feed location.
- Install anchor bolts at mounting point locations.
- All anchor bolts are to be secured to structure, per local building codes.

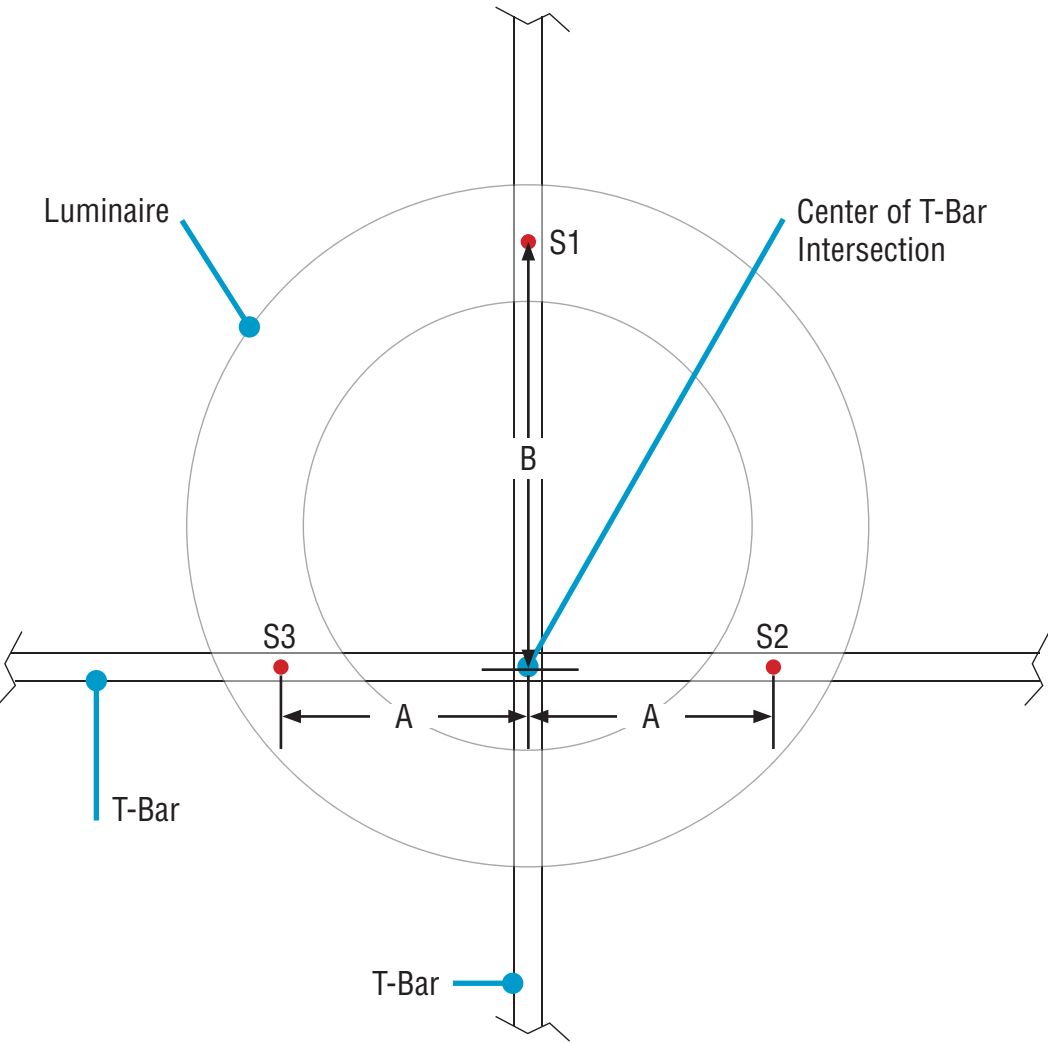
\*Other hard surfaces include: wood, sheet metal panels, steel beams, concrete or masonry. Use hardware appropriate for each surface material type.

● = Feed Location

Mounting Location	Label	Nominal Circle Diameter (ft)		
		2	3	4
Equal Triangle Location	T	17-5/16"	27-11/16"	38-1/8"
Reference Center Diameter	CD	20"	32"	44"



### On-Grid Suspension Points Bottom-Up View



● = Suspension Point

On-Grid Suspension Location	Label	Nominal Circle Diameter (ft)		
		2	3	4
Suspension Point 1 (S1) Distance	B	15"	24"	33"
Suspension Point 2 & 3 (S2, S3) Distance	A	8-11/16"	13-7/8"	19-1/16"

Measure from Center of T-Bar Intersection to Suspension Points

Mounting Option 1

GridBox™  
(provided)

Caddy Clip  
(provided)

Mounting Option 2

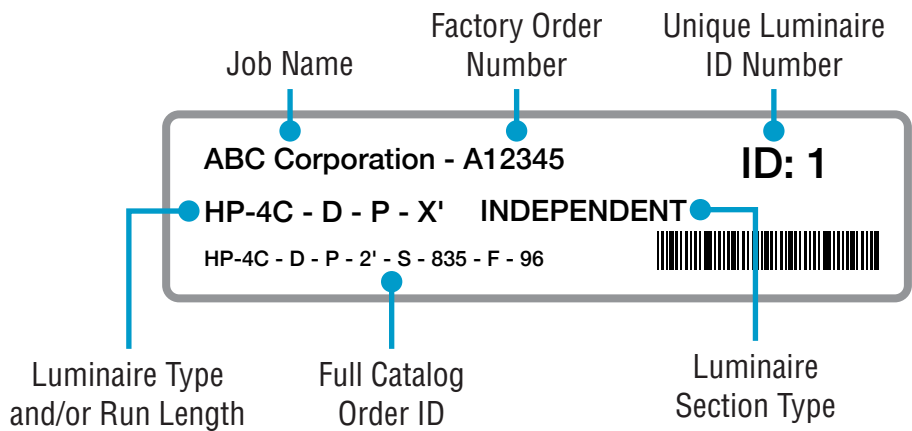
J-Box  
(by others)

1/4"-20 Anchor Bolt  
(by others)

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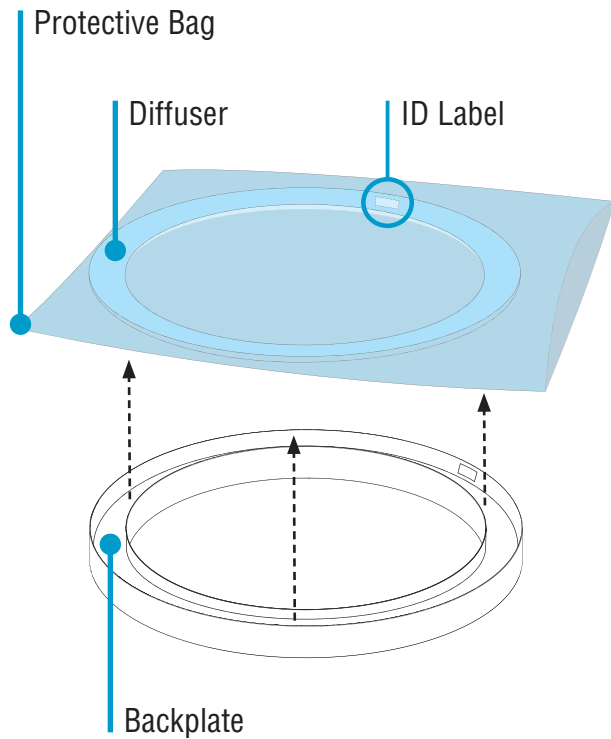
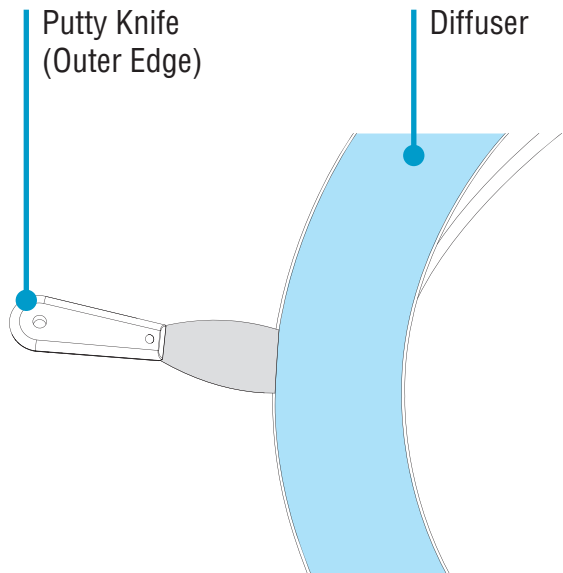
## Step 2 - Identification & Preparation

### A. Identify Luminaires



- Identify all luminaires by their ID label that can be found on the box 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 Diffuser Top-Down View



- NOTE:** Maximum width of putty knife is 2 inches.
- 1.** To release diffuser, carefully slide putty knife between outer edge of diffuser and luminaire.
- 2.** Then, directly across from you carefully slide putty knife between inner edge of diffuser and luminaire.
- 3.** Work your way around outer edge of diffuser to fully release it from luminaire.
- Keep diffuser inside protective bag.
- Set aside diffuser to prevent it from getting dirty or damaged.
- Ensure diffuser can be clearly identified back to corresponding luminaire.

### 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.

**GridBox™**  
Part# 89159

**Dual GridBox™**  
Part# 89199  
Mounting & Suspension  
p. 2, Step 1

**Caddy Clip**  
C1 Ceiling - Part# 94001  
C2 Ceiling - Part# 94020  
C3 Ceiling - Part# 94029  
Mounting & Suspension  
p. 2, Step 1

**3-1/2" Canopy**  
Part# 89191

**3-1/2" Dual Feed Canopy**  
Part# 89192  
Mounting Luminaire to Structure  
p. 4, Step 3

**2" T-Bar Support Canopy**  
Part# 89193  
Mounting Luminaire to Structure  
p. 4, Step 3

**5" Canopy**  
Part# 94085

**5" Dual Feed Canopy**  
Part# 94145  
Mounting Luminaire to Structure  
p. 4, Step 3

**2" Drywall Support Canopy**  
Part# 94017  
Mounting Luminaire to Structure  
p. 4, Step 3

**Cable Bushing**  
Part# 94014

**Aircraft Cable**  
50" - Part# 94515-12 (Std.)  
100" - Part# 94515-14  
150" - Part# 94515-18  
Mounting Luminaire to Structure  
p. 4, Step 3  
Level & Crimp Safety Cable  
p. 5, Step 4

**Slip Ring w/ Set Screw**  
Part# 94015  
Mounting Luminaire to Structure  
p. 4, Step 3

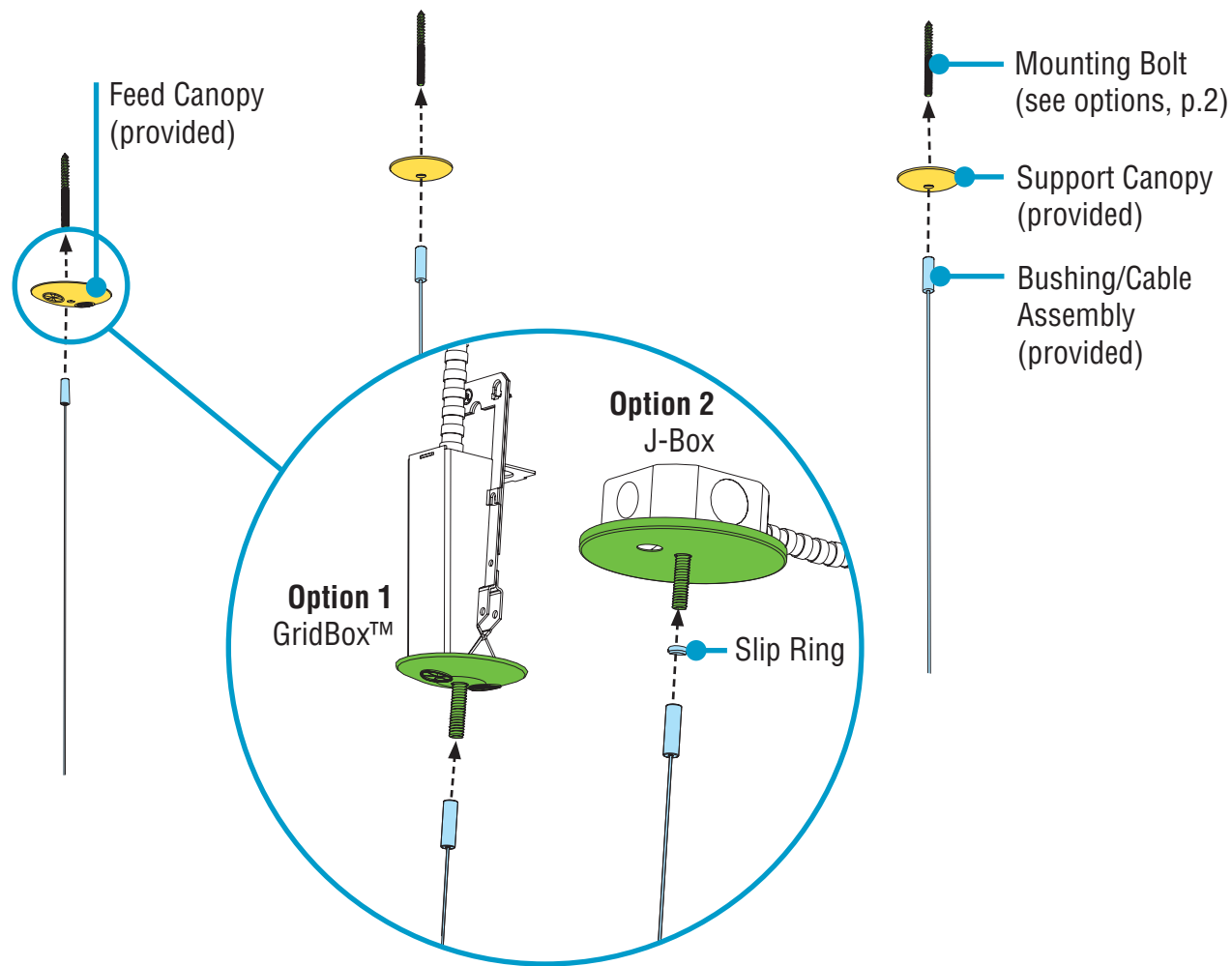
**Safety Crimp**  
Part# 94514  
Level & Crimp Safety Cable  
p. 5, Step 4



# HP-4 Circle Direct 2', 3', & 4' Installation Instructions

## Step 3 - Mounting Luminaire to Structure

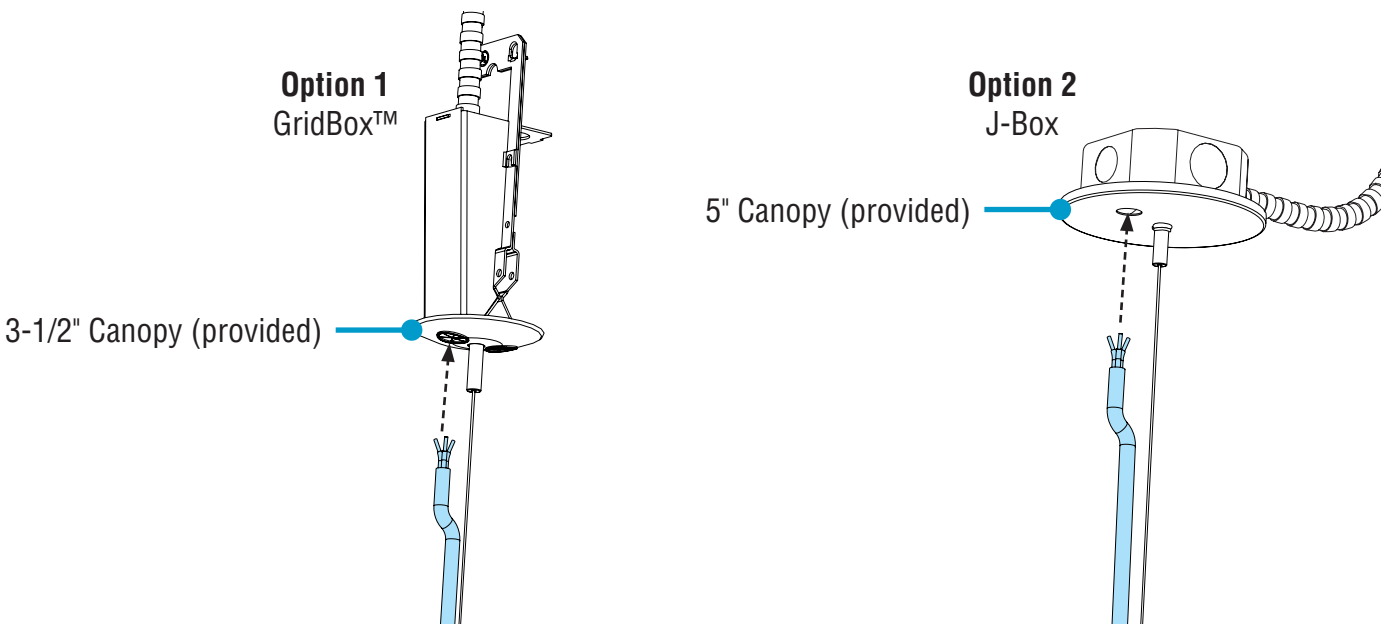
**A. Mount Luminaire to Structure**



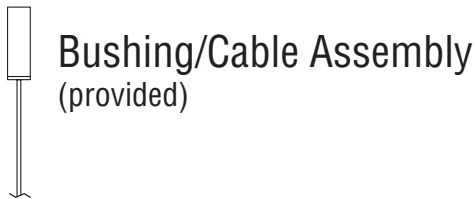
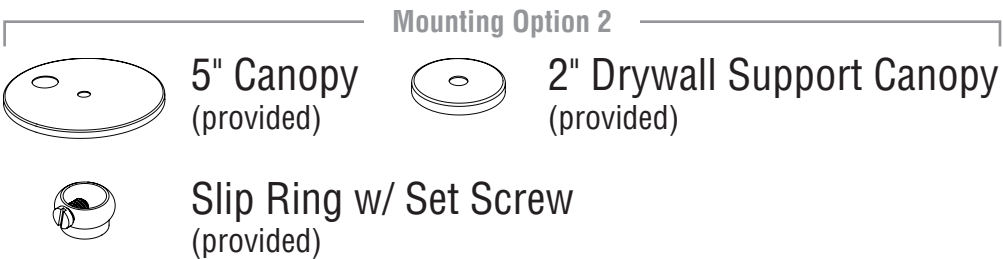
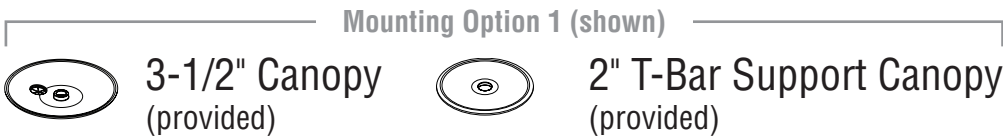
- Slide canopy appropriate for electrical type options onto mounting bolt (anchor bolt or caddy clip bolt).
- **(Option 2 only)** Thread the slip ring onto anchor bolts and secure with set screw at both mounting locations.
- Thread the bushing/cable assembly onto mounting bolts.
- While properly supporting luminaire, maneuver luminaire to ceiling and insert cables into cable grippers to support luminaire from the ceiling.

**B. Make Electrical Connections**

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.

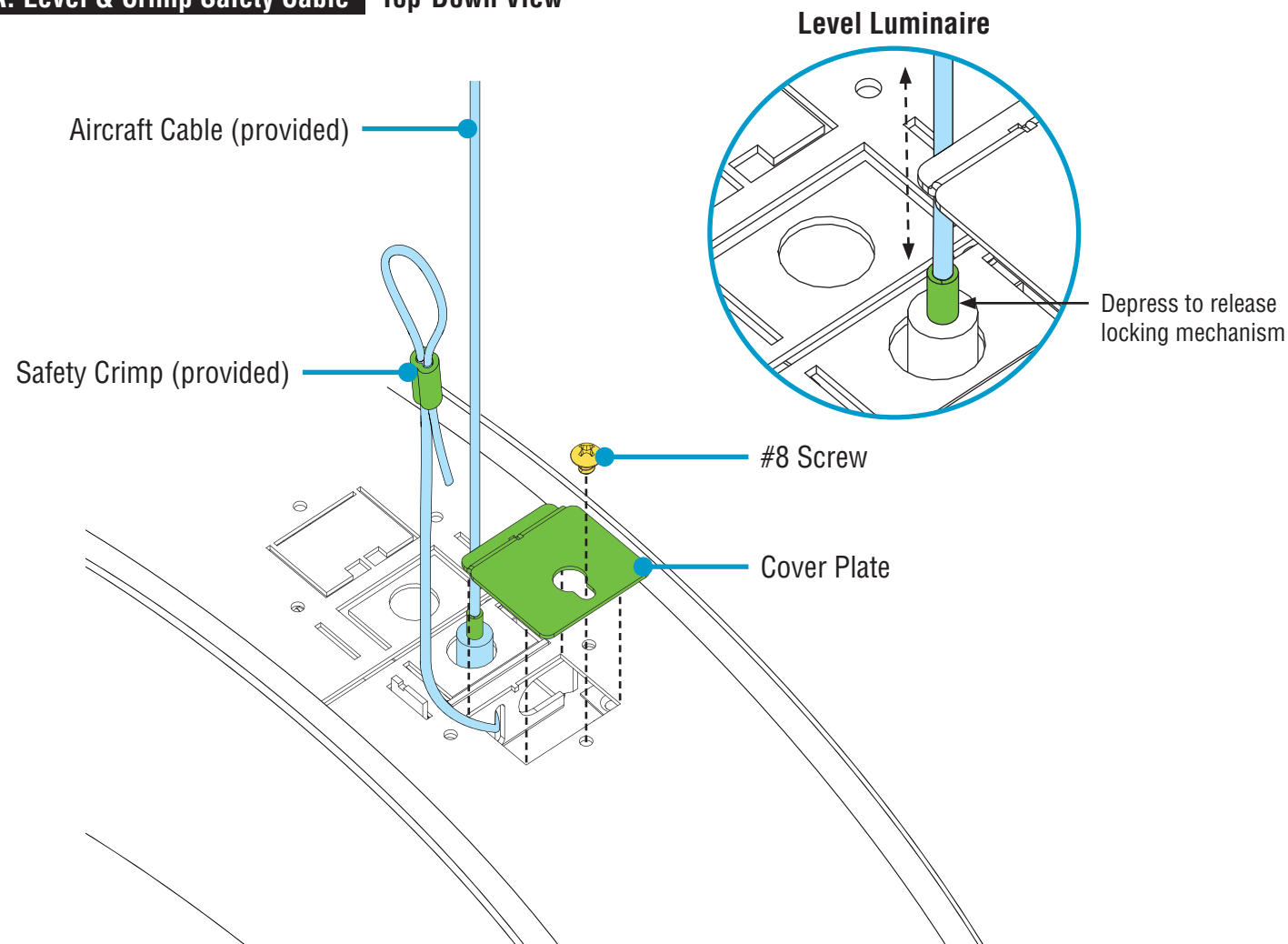


0-10V  
Dimming

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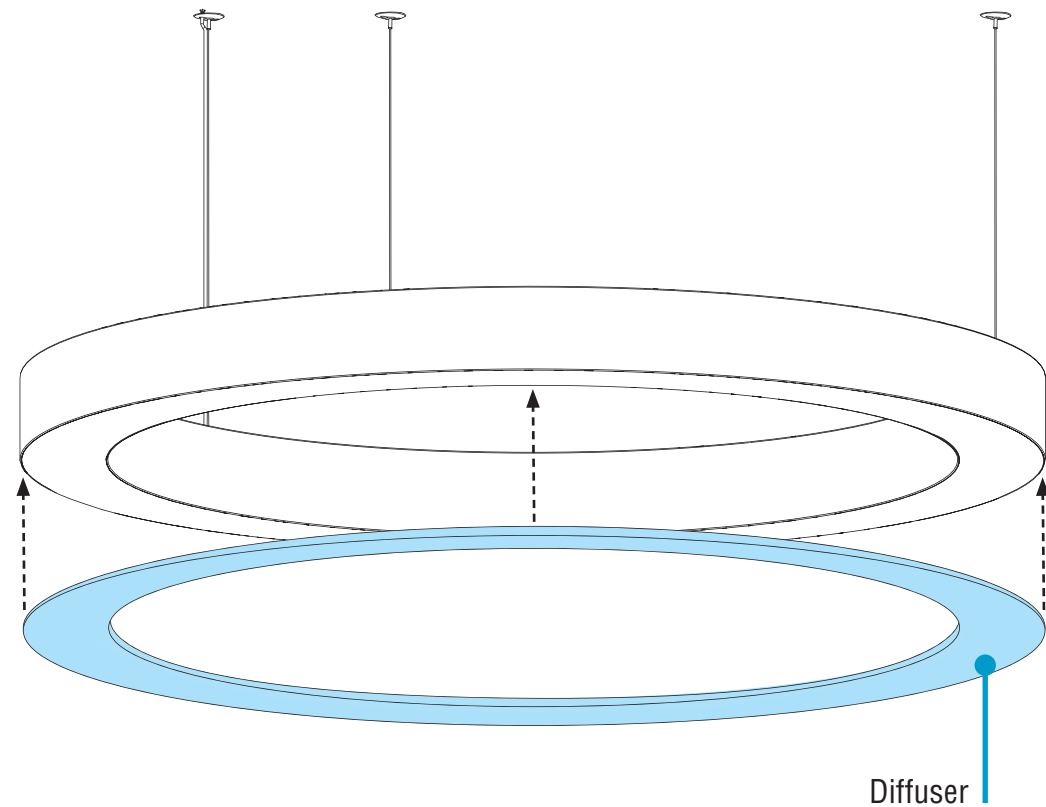
## Step 4 - Level & Crimp Safety Cable

**A. Level & Crimp Safety Cable** Top-Down View



- Remove #8 screw and cover plate to gain access to safety cable.
- Ensure all leveling has been performed by depressing top of grippers to adjust cable lengths prior to applying safety crimp.
- Loop aircraft cable through safety crimp.
- Crimp, cut excess cable, and tuck back into luminaire body.
- Reinstall cover plate and #8 screw. Typical for each aircraft cable.

**B. Final Step - Replace Diffuser** Side View



- Carefully remove diffuser from protective plastic bag.
- **CAUTION:** Wear gloves to keep diffuser surface clean.
- **CRITICAL:** Be sure to install correct diffuser to its corresponding luminaire ID.
- Install diffuser by snapping into place.
- **NOTE:** Push area of diffuser closest to you first until it snaps in place. Then work your way around the luminaire.
- Turn power on to luminaire.



Circle  
Diffuser  
Installation