HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions
Overview

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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.
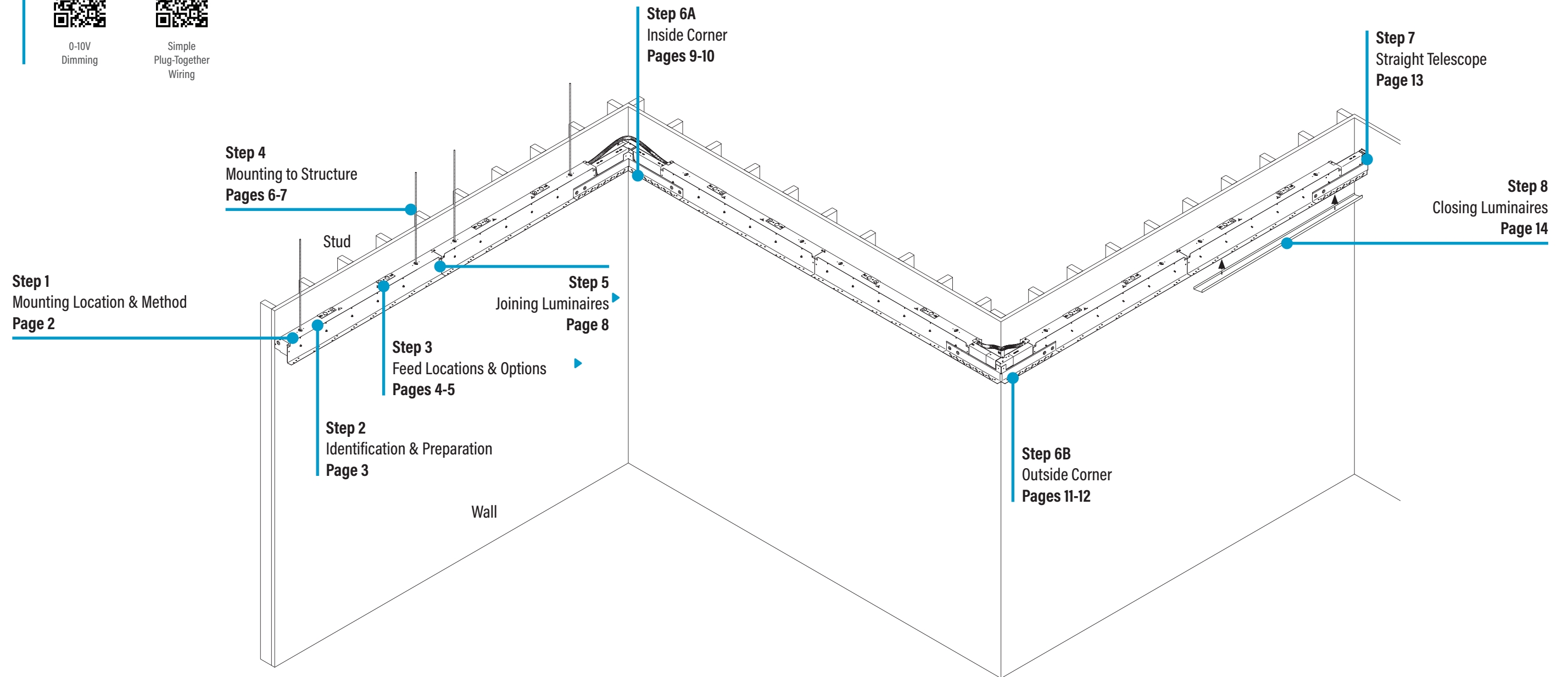- **DO NOT attempt to join luminaires together on the floor.** Damage may result when lifted.

HELPFUL VIDEOS

0-10V Dimming

Simple Plug-Together Wiring

Step 6A
Inside Corner
Pages 9-10

Step 7
Straight Telescope
Page 13

Step 4
Mounting to Structure
Pages 6-7

Step 8
Closing Luminaires
Page 14

Stud

Step 1
Mounting Location & Method
Page 2

Step 5
Joining Luminaires
Page 8

Step 3
Feed Locations & Options
Pages 4-5

Step 2
Identification & Preparation
Page 3

Step 6B
Outside Corner
Pages 11-12

Wall

HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions
Step 1 - Mounting Location & Method

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A. Create Rough In — Side View

Max. 3/8"

Wall

Sheetrock

Z
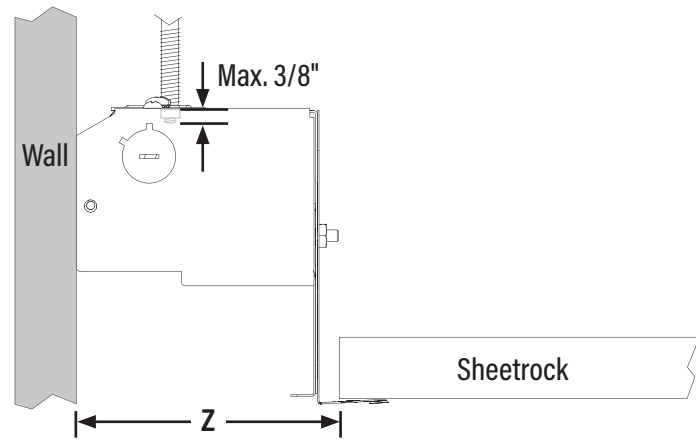
Luminaire Depth	Rough In Opening	
	4" Width	6" Width
2", 4" & 6"	Z = 4-1/2"	Z = 6-1/2"

Endcap Information (Side Views):

The **Wall-to-Wall Endcap** adds 1/8" per endcap.

Endcap

1/8"
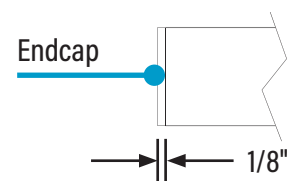
The **Pocket Slot Endcap** adds 1-1/4" for Spackle Flange and 1" for T-Bar per endcap.

Drywall Screw

Spackle Flange

Drywall

1-1/4"

T-Bar

Ceiling Tile

1"
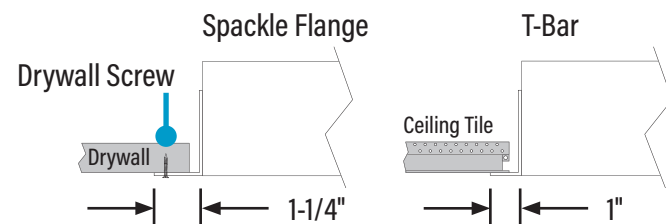
The **Telescoping Endcap** adds:
- A minimum of 2" to a 2' section
- A minimum of 1" to a 3' section
- A minimum of 1" to 4' and 8' sections

B. 1/4"-20 Threaded Rod Locations — Top View

Mounting Location

Top Feed (standard)

Wall

2"

M

N

Luminaire Length	M (in)	N (in)
2'	3	18
3'	3	30
4'	6	36
8'	6	84

Alternative "L" Bracket Mounting (by others)

Use appropriate hardware (by others) to secure "L" Bracket to luminaire.

"L" Bracket (by others)

Wall

Sheetrock

H
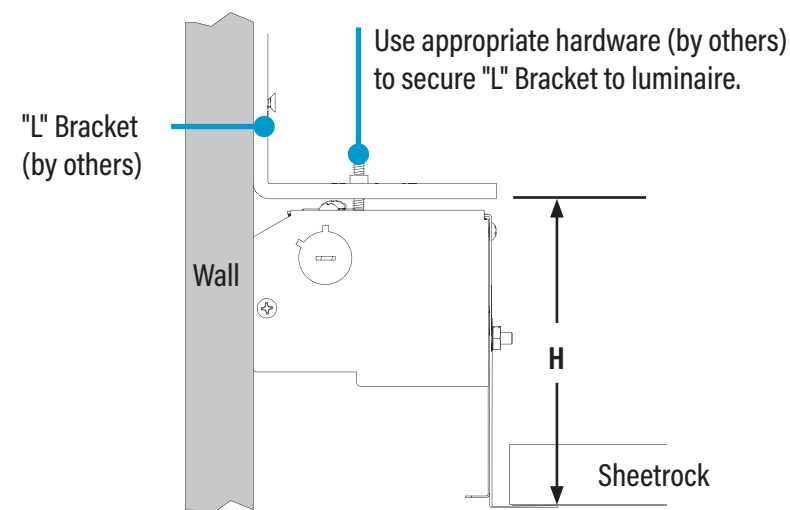
Luminaire Depth	4" W (in)	6" W (in)
2"	H = 5-1/8"	H = 5-1/8"
4"	H = 7-1/8"	H = 7-1/8"
6"	H = 9-1/8"	H = 9-1/8"

Alternative Mount to Structure (by others)

G

Structural Blocking (by others)

Wall

Sheetrock

H
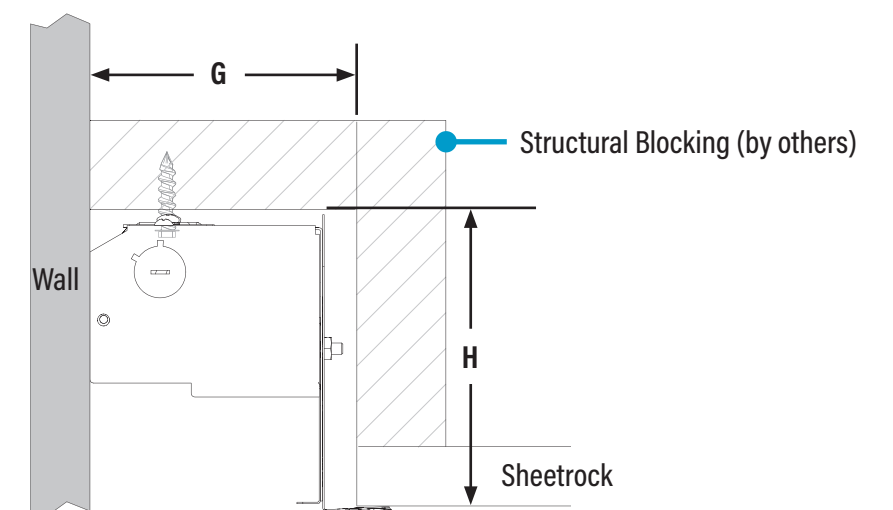
Luminaire Depth	4" W (in)	6" W (in)
2"	G = 4-5/8 H = 5-1/8"	G = 6-5/8 H = 5-1/8"
4"	G = 4-5/8 H = 7-1/8"	G = 6-5/8 H = 7-1/8"
6"	G = 4-5/8 H = 9-1/8"	G = 6-5/8 H = 9-1/8"

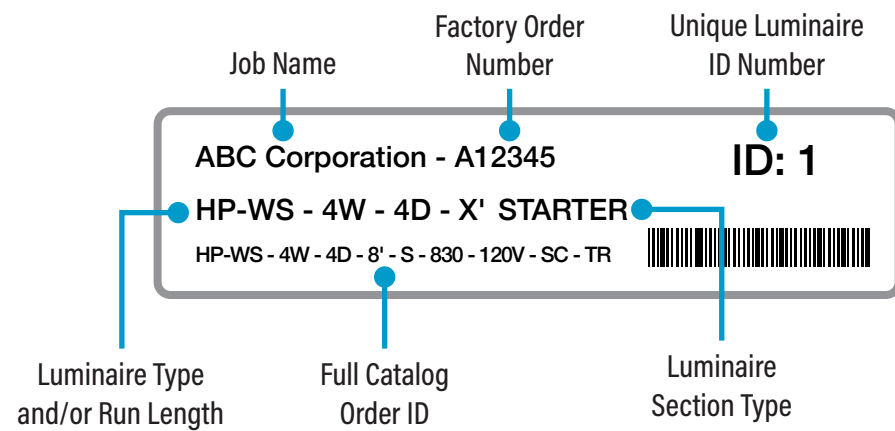# HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions

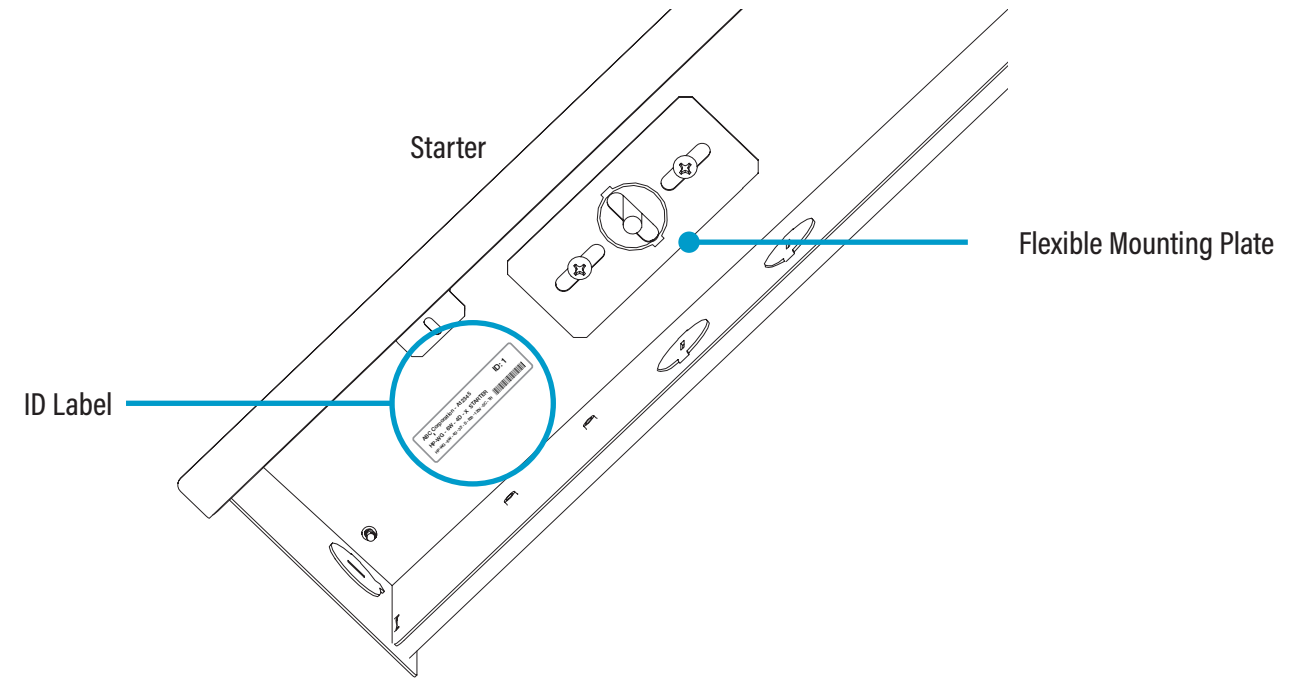**Step 2** - Identification & Preparation

A. Identify Luminaires

⚠ **CAUTION**

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

Job Name

Factory Order Number

Unique Luminaire ID Number

ABC Corporation - A12345   **ID: 1**

HP-WS - 4W - 4D - X' STARTER

HP-WS - 4W - 4D - 8' - S - 830 - 120V - SC - TR

Luminaire Type and/or Run Length

Full Catalog Order ID

Luminaire Section Type

Bottom-Up View

Starter

Flexible Mounting Plate

ID Label

- 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.

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.

#8-18 x 1/4" Screw
Part# 69026
Feed Locations & Options
p. 4, Step 3
Joining Luminaires
p. 8, Step 5
Inside Corner
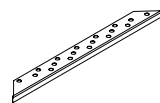**p. 9-10, Step 6A**
Outside Corner
p. 11-12, Step 6B

#10-32 Screw
Part# 94144
Feed Locations & Options
p. 4, Step 3

#4-24 x 1/4" Self-Drilling Screws
Part# 94416
Mounting Starter to Structure
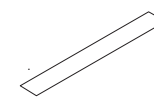**p. 6, Step 4**
Closing Luminaires
p. 14, Step 8
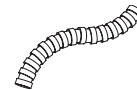
Flex Conduit
Part# 96627
Inside Corner
p. 9, Step 6A
Outside Corner
p. 11, Step 6B

Raised Bead
Part# 11635
Straight Telescope
p. 14, Step 7

Wall Trim Gaskets
Part# 11987
Inside Corner
p. 10, Step 6A
Outside Corner
p. 12, Step 6B

Mud Guard
Part# 64542
Closing Luminaires
p. 14, Step 8

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

1/4"-20 Threaded Rod (by others)

Top Feed (standard)

Power Feed

#10-32 Screw (provided)

Wall Feed (optional)

Power Feed

Endcap Feed (optional)

#8-18 x 1/4" Screw (provided)
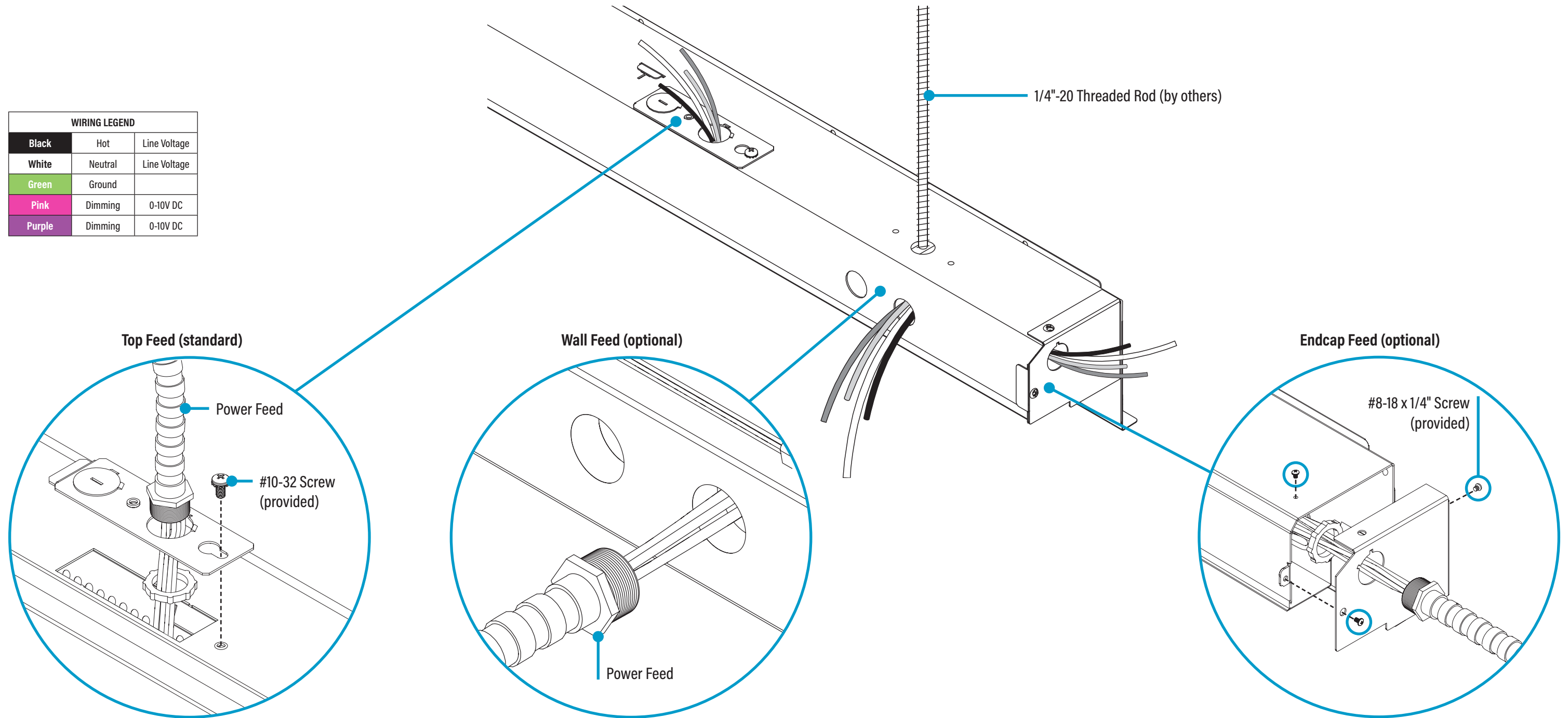
#8-18 x 1/4" Screw (provided)

#10-32 Screw (provided)

0-10V Dimming

HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions
Step 3 - Feed Locations & Options

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Top Feed Top View

Top Feed (standard)

Wall

2"

Luminaire Length	A (in)
2'	5
3'	5
4'	12
8'	12

A

6"
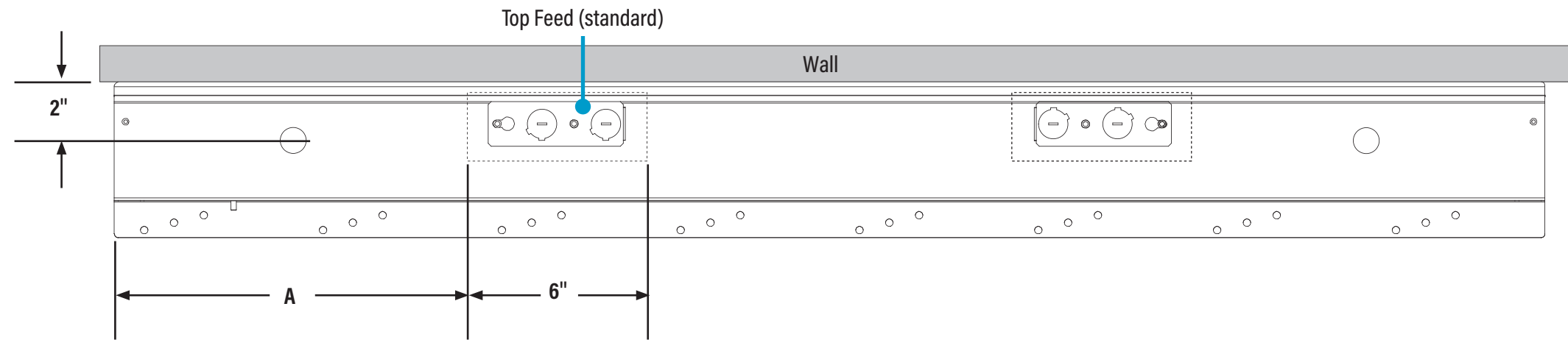
Top Feed Location (standard)
• Use chart above to find measurement of **A** for feed location

Wall Feed Back View

1/4"-20 Threaded Rod (by others)

Wall Feed (optional)

B

5-9/16"
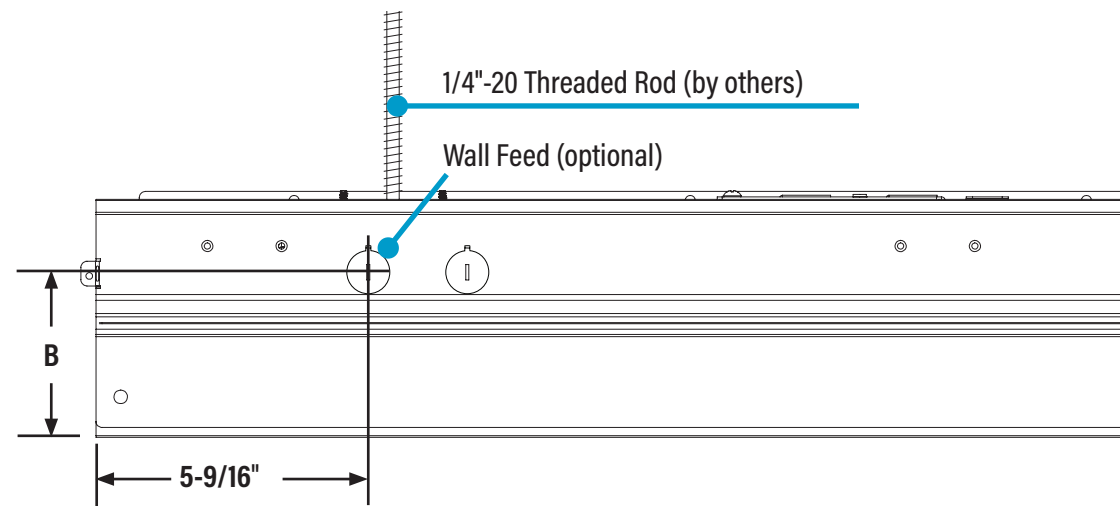
Luminaire Depth	B (in)
2"	3-5/16
4"	5-5/16
6"	7-5/16

Endcap Feed Side View

Endcap Feed (optional)

Wall

D

C

Sheetrock
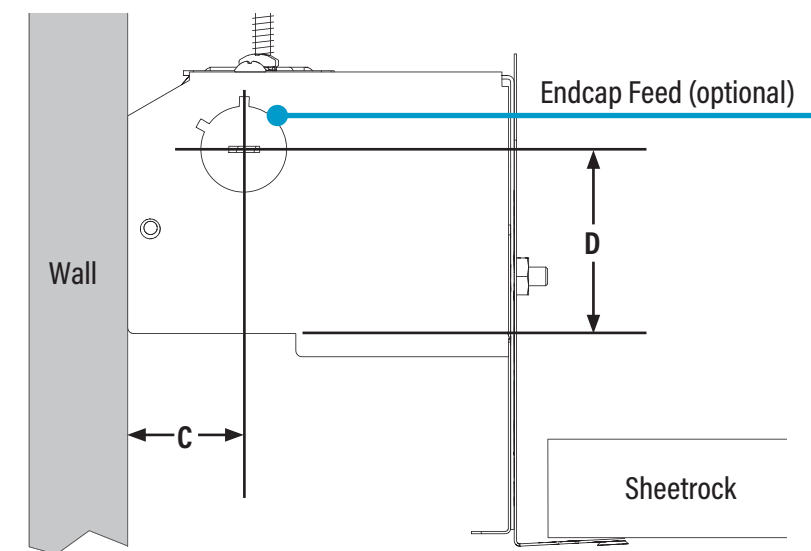
Luminaire Width	C (in)	D (in)
4"	1-3/16	1-7/8
6"	2	1-7/8

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A. Remove Tapered Optic & Diffuser   Bottom-Up View

Starter

Diffuser
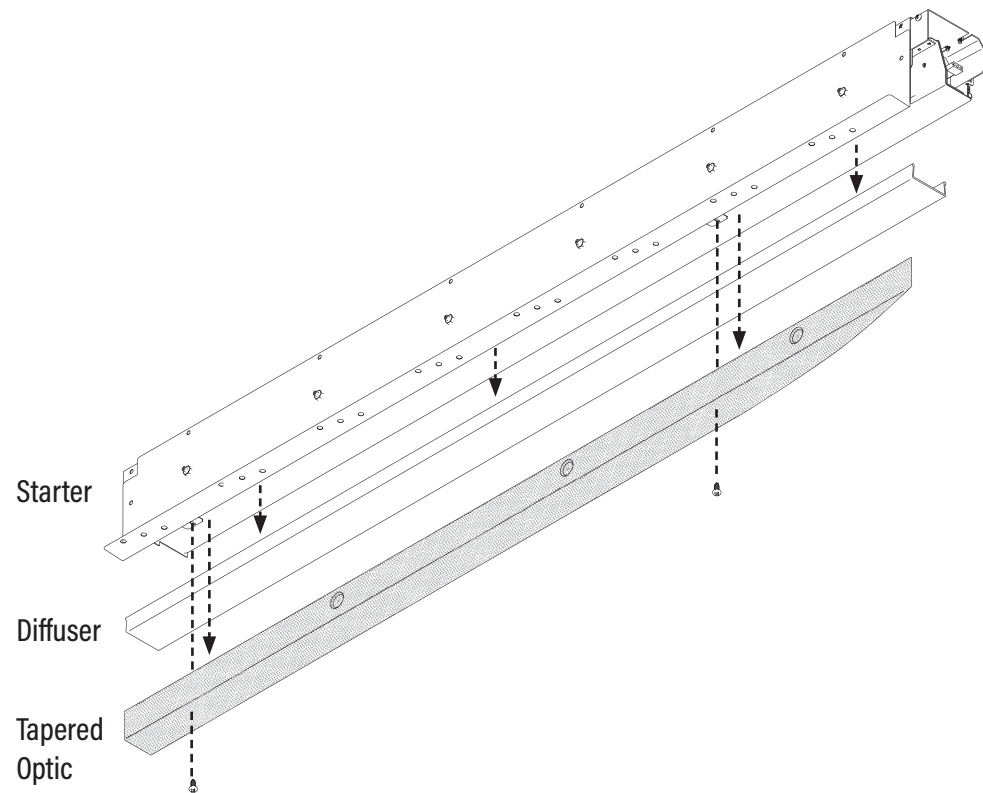
Tapered Optic

- Make electrical connections according to feed location and options.
- If using tapered optics, remove the #4-24 x 1/4" screws and set aside.
- Remove diffusers and set aside to prevent them from getting dirty or damaged.

B. Remove Carrier   Bottom-Up View

Carrier Clip

Starter
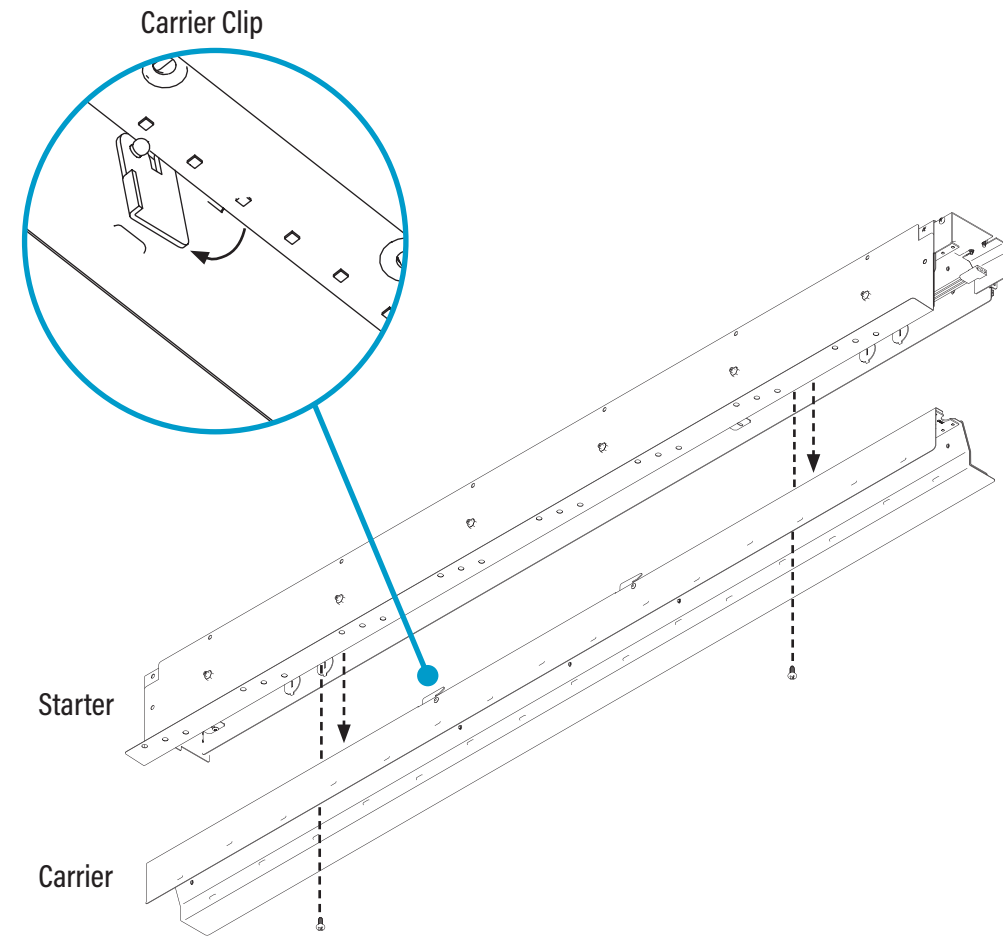
Carrier

- Remove the #8-18 x 1/2" screws.
- Twist the carrier clips clockwise to release the carrier.
- The carrier will be suspended by safety cables but you can remove them for completely open access.

CONTINUED

#4-24 x 1/4" Self Drilling Screws
(provided)

#8-18 x 1/2" Screw(s)
(provided)

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C. Mount Luminaire

Standard
Bottom-Up View

1/4"-20 Threaded Rod

Flexible Mounting Plate

Starter

1/4" Washer (by others)

1/4"-20 Nut (by others)

Option 1
Side View

"L" Bracket (by others)

Appropriate Fastening Hardware (by others)

Option 2
Side View

Structural Blocking (by others)

Appropriate Fastening Hardware (by others)

CAUTION

90°

• **Improper alignment of flange will cause gaps**
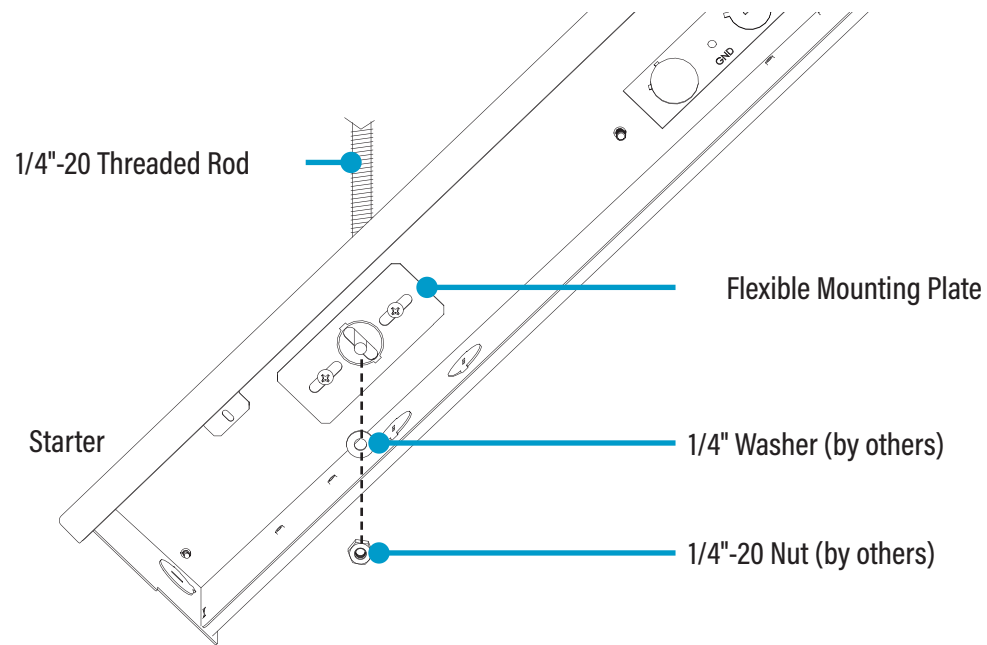
MOUNT TO THREADED ROD (Standard)
• Mount the luminaire to structure using a 1/4"-20 nut and washer on a threaded rod.
• **NOTE:** The flexible mounting plate can move for a precise fit.
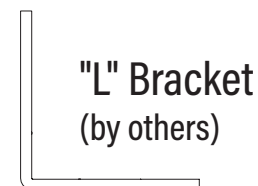• If there is no joiner/ender, then tighten nuts fully. **PROCEED TO STEP 6.**
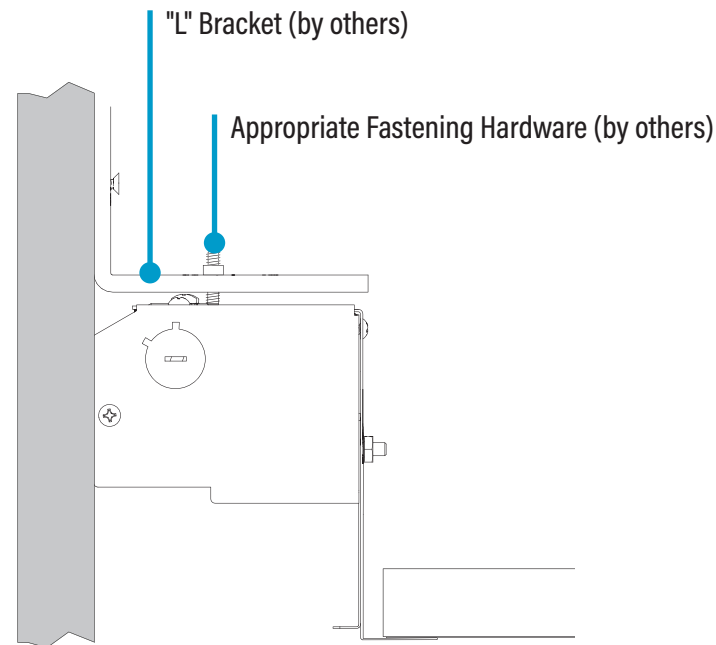
MOUNT TO "L" BRACKET (Optional)
• Mount the luminaire to structure using an "L" bracket with appropriate fastening hardware.
• **NOTE:** The flexible mounting plate can move for a precise fit.
• If there is no joiner/ender, then tighten nuts fully. **PROCEED TO STEP 6.**
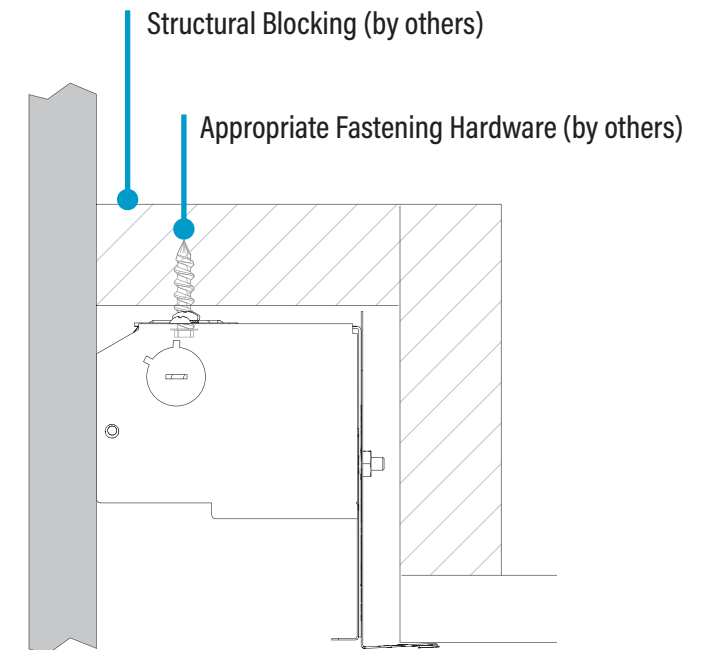
MOUNT TO STRUCTURE (Optional)
• Mount the luminaire to structure using appropriate fastening hardware.
• **NOTE:** The flexible mounting plate can move for a precise fit.
• If there is no joiner/ender, then tighten fully. **PROCEED TO STEP 6.**

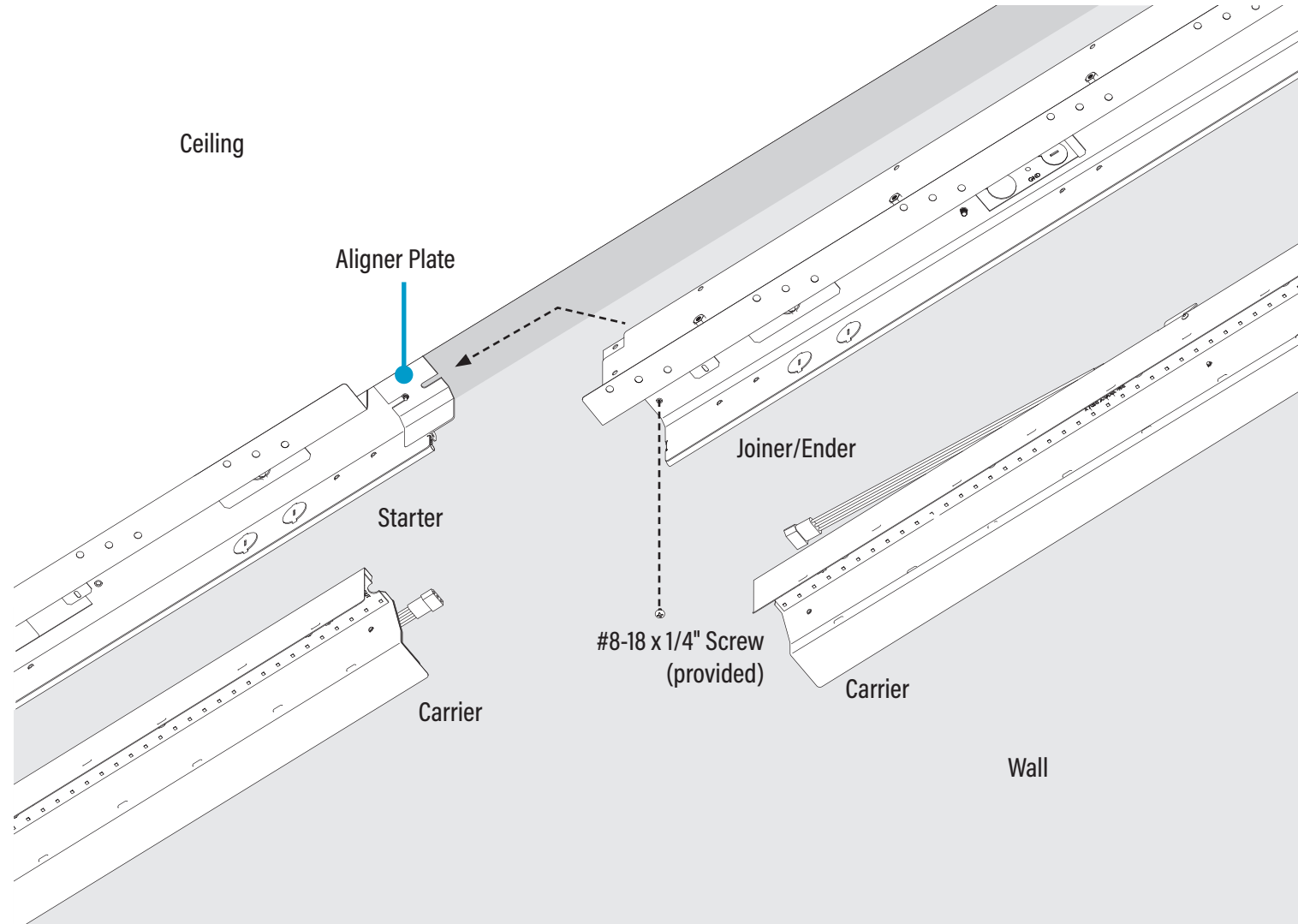#8-18 x 1/2" Screw
(provided)

1/4" Washer
(by others)

1/4"-20 Nut
(by others)

"L" Bracket
(by others)

HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions
## Step 5 - Joining Luminaires

A. Align Starter and Joiner/Ender Bottom-Up View

Ceiling

Aligner Plate

Joiner/Ender

Starter

#8-18 x 1/4" Screw
(provided)

Carrier

Carrier

Wall

- The joiner/ender luminaire must be lifted above the aligner plate on the starter luminaire.
- Use a #8-18 x 1/4" screw to fasten the joiner luminaire to the aligner plate.
- See page 7, Step 4C for how to secure a joiner/ender luminaire to structure.

B. Plug-Together Wiring Bottom-Up View

Ceiling

Joiner/Ender

Starter

Carrier

Plug-Together Wiring

Wall

Carrier
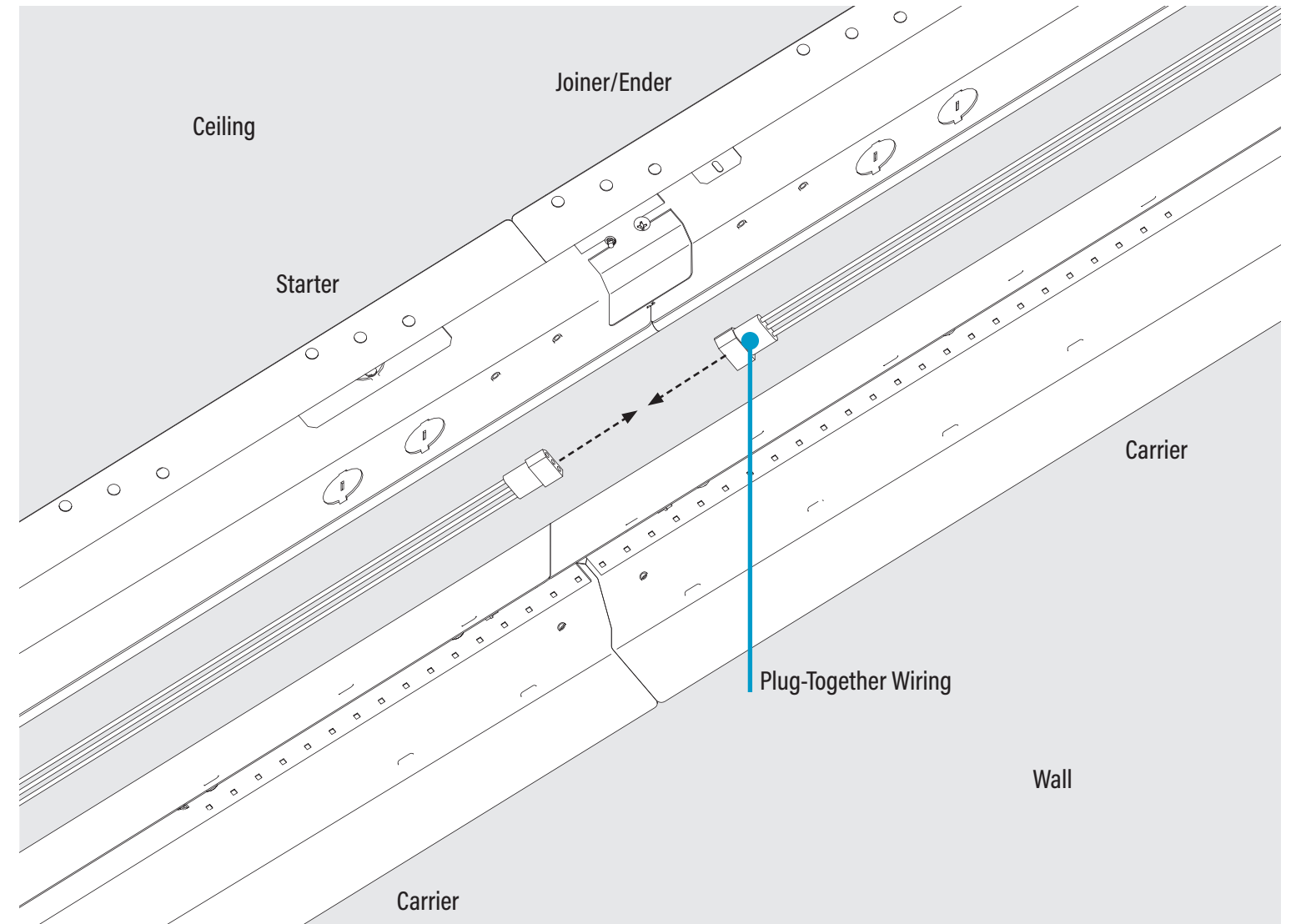
- Connect the plug-together wiring.
- Secure all luminaires by tightening all nuts to threaded rod.

#8-18 x 1/4" Screw
(provided)

Simple
-Together
Wiring

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A. Inside Corner Support Bracket — Bottom-Up View
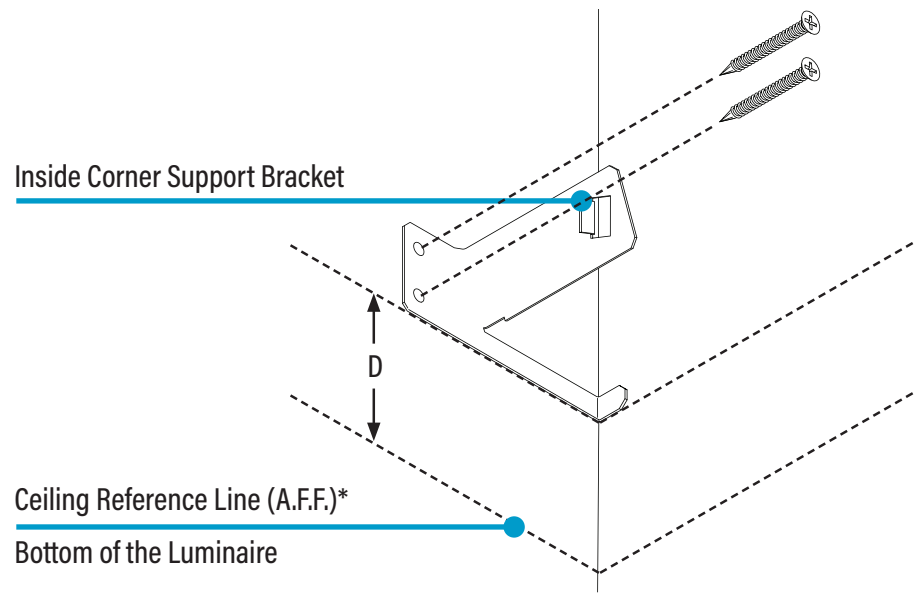
Inside Corner Support Bracket

D

Ceiling Reference Line (A.F.F.)*

Bottom of the Luminaire

Luminaire Depth	D (in)
2"	A.F.F. ceiling height + 3-5/16
4"	A.F.F. ceiling height + 5-5/16
6"	A.F.F. ceiling height + 7-5/16

- Fasten inside corner support bracket at distance **D** from the ceiling reference line A.F.F.*.
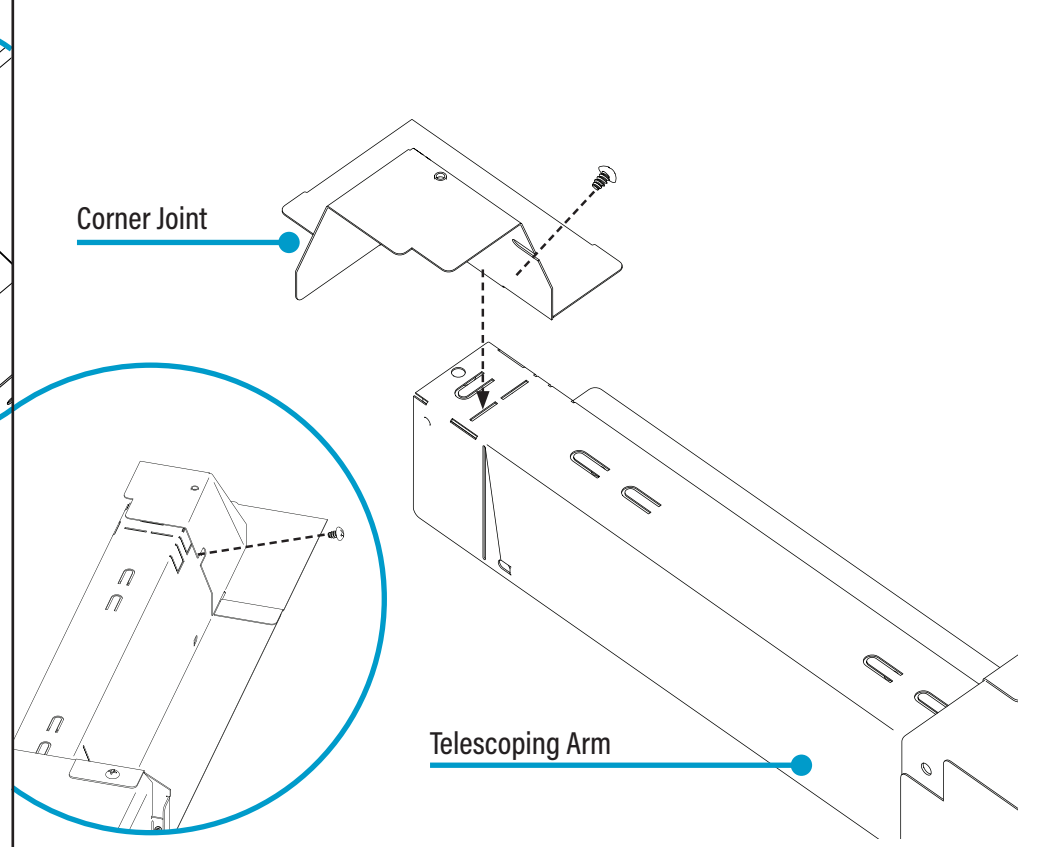- Fasten bracket using appropriate #10 screws.

*A.F.F. - Above Finished Floor

B. Connect Flex Conduit — Bottom-Up View

Endcap

Flex Conduit

Corner Joint

Corner Support Bracket
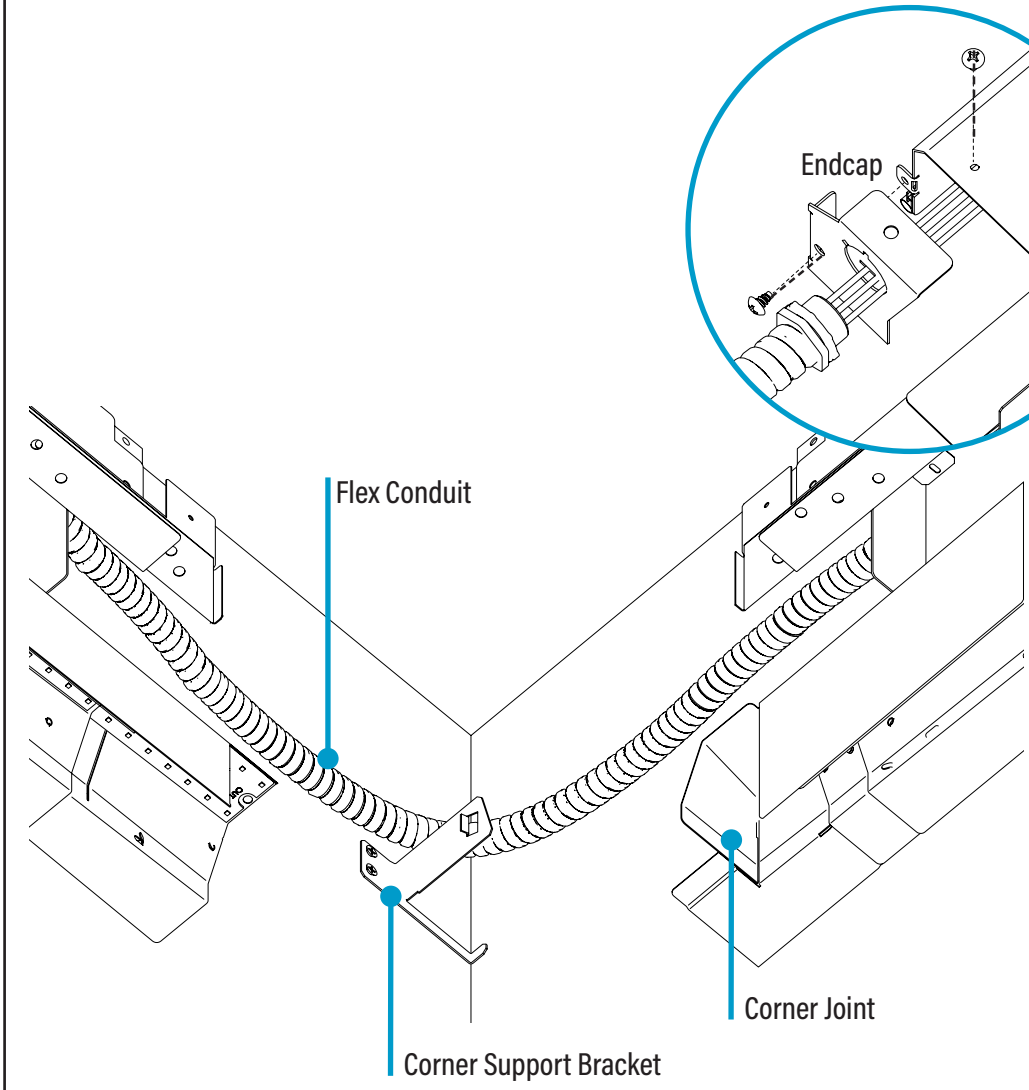
- Connect the through wiring using flex conduit and make sure the flex conduit goes above the corner support bracket.
- To connect flex conduit, remove two #8-18 x1/4" screws from telescope endcap for access.

C. Connect Corner Joint — Top-Down View

Corner Joint

Telescoping Arm

- Connect the corner joint to the right telescoping arm using #8-18 x 1/4" screw.

CONTINUED

#10 Screws
(by others)

#8-18 x 1/4" Screw
(provided)

Flex Conduit
(provided)

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D. Install Gaskets — Top View

Gasket

Telescope Carrier

T

U

S

Wall Trim Gaskets

U

Telescoping Arm
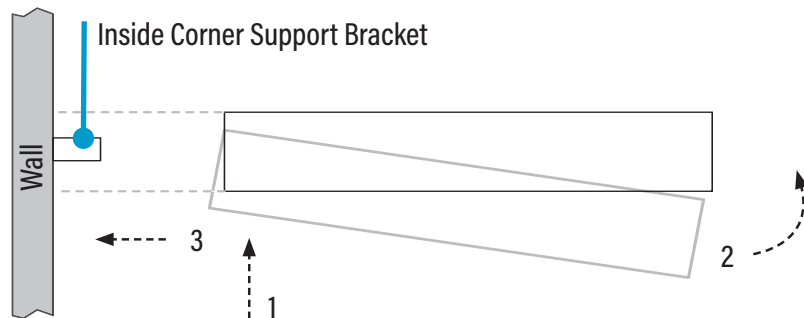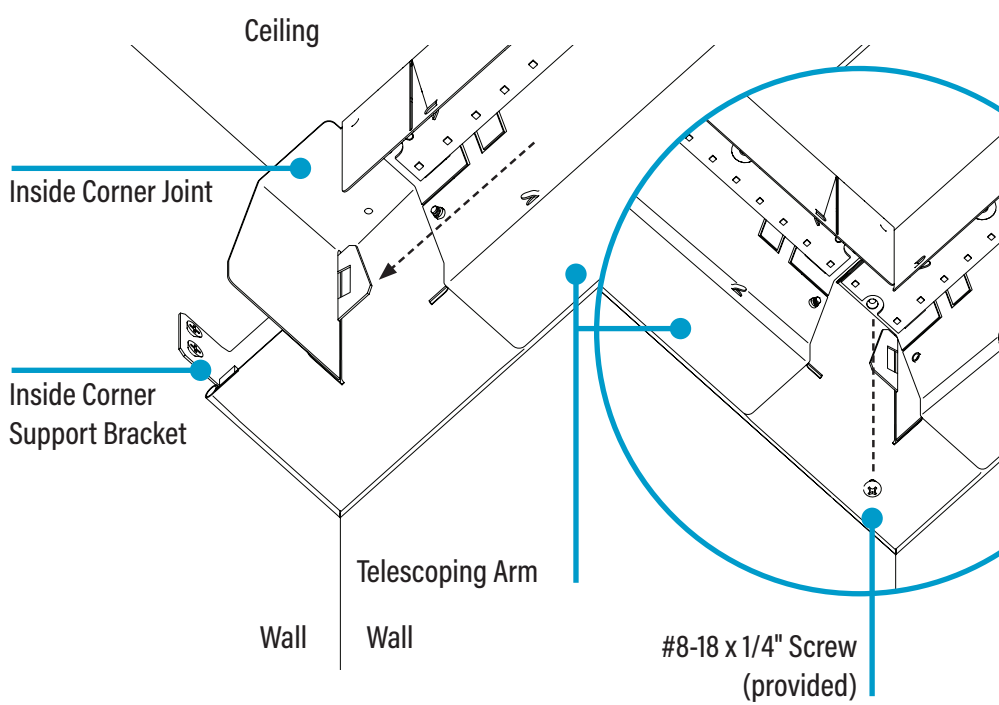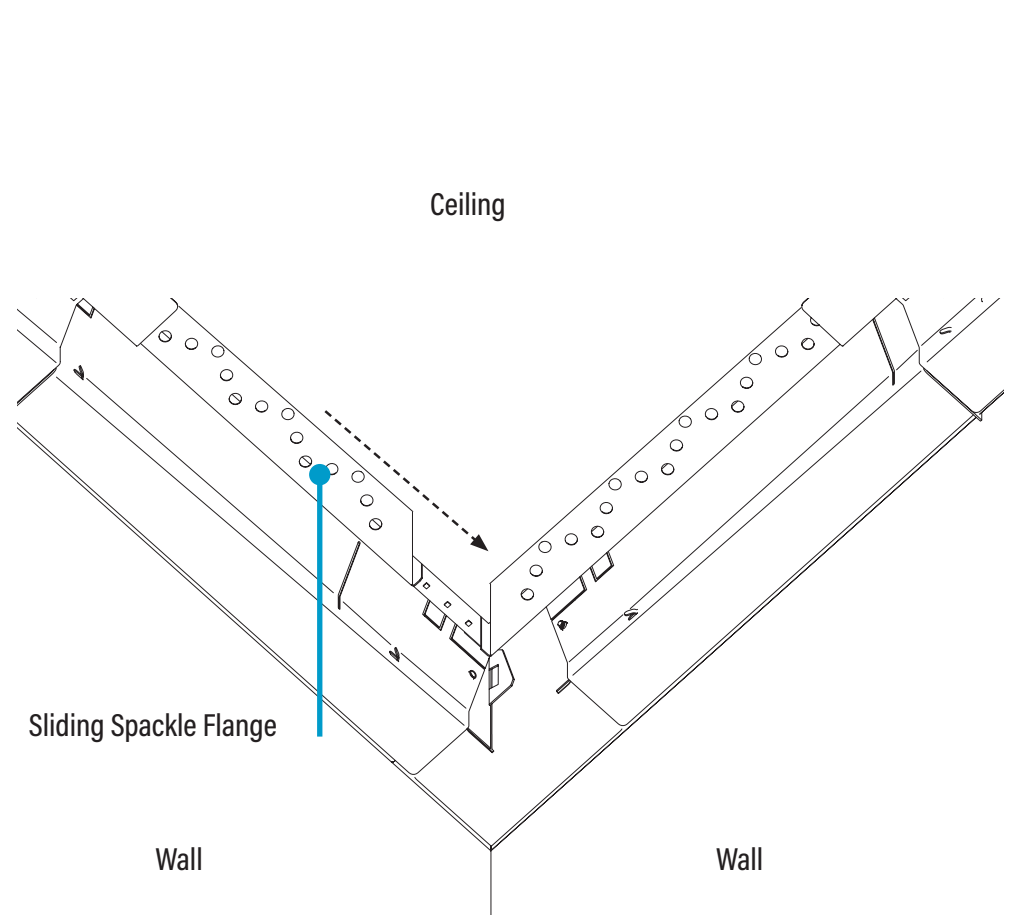
Inside Corner Joint

- Locate wall trim gasket and cut to lengths **S**, **T**, & **U** after telescoping arms are extended.
- Cut miters where **T** and **U** meet at corner.
- Install corner gaskets by removing liner to expose adhesive, and attach gaskets to telescope carriers as shown.

E. Connect Telescope Arms — Bottom-Up View

Ceiling

Inside Corner Joint

Inside Corner Support Bracket

Telescoping Arm

Wall   Wall

#8-18 x 1/4" Screw (provided)

Inside Corner Support Bracket

Wall

3

1

2

- Tip in right side carrier/telescoping arm towards corner support bracket.
- Reattach carrier by rotating carrier clips 90º counter-clockwise.
- Raise left side carrier/telescoping arm into place and fasten to right side telescoping arm at the corner joint using #8-18 x 1/4" screw.
- Secure all carriers with #8-18 x 1/2" screws.

F. Extend Sliding Spackle Flanges — Bottom-Up View

Ceiling

Sliding Spackle Flange

Wall   Wall

- Extend sliding spackle flanges until they meet at the corner.

#8-18 x 1/4" Screw (provided)
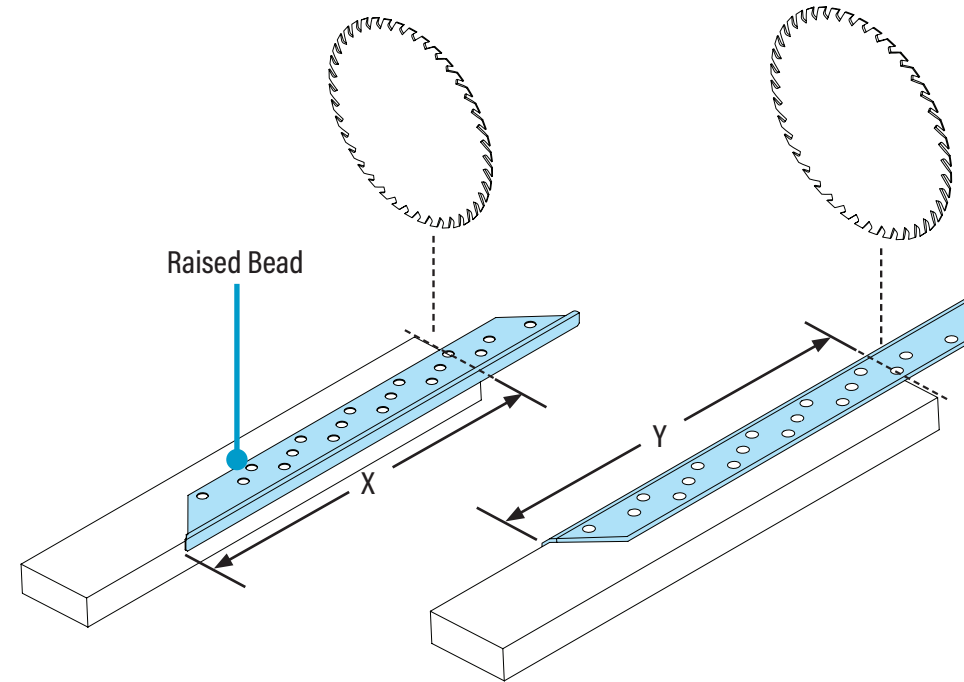
Wall Trim Gaskets (provided)

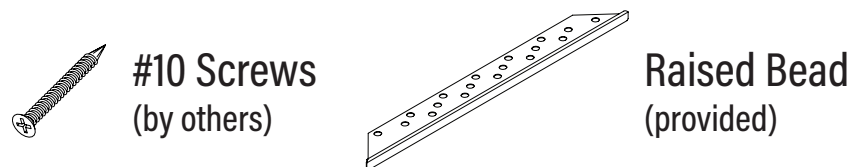**#8-18 x 1/2" Screws** (provided)

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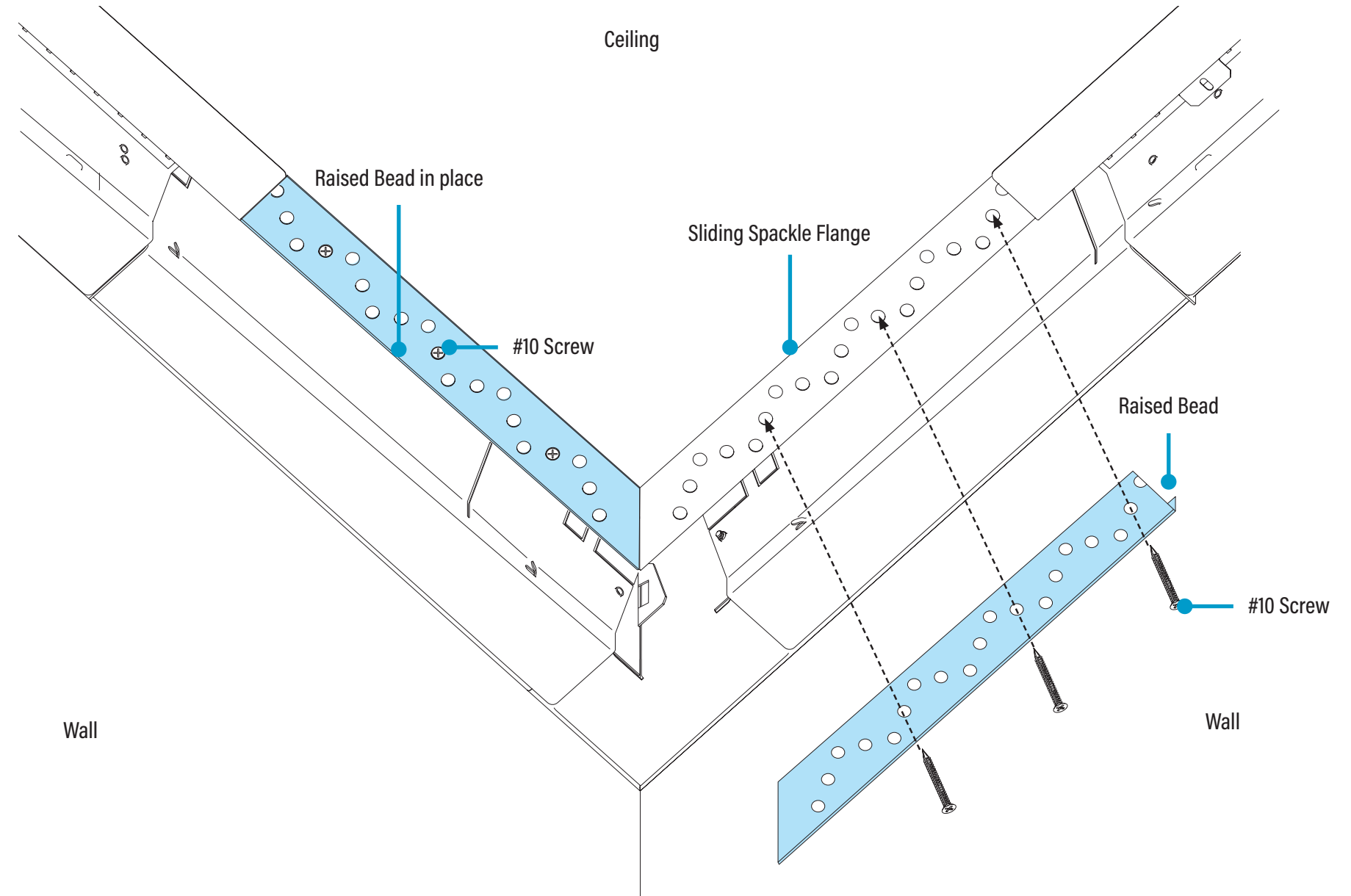## D. Measure Telescoping Length   Bottom-Up View

- Measure long edges of telescoping areas. Measurements "X" and "Y" will vary.

Raised Bead

X

Y

- Measure from the square edge to the tip of a mitered edge.
- Cut the raised beads to **X** and **Y**

E. Secure Raised Bead   Bottom-Up View

Ceiling

Raised Bead in place

Sliding Spackle Flange

#10 Screw

Raised Bead

#10 Screw

Wall

Wall

- Mount raised beads to ceiling through telescoping sections using appropriate #10 screws.

#10 Screws
(by others)

Raised Bead
(provided)

HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions
Step 6B - Outside Corner

A. Outside Corner Support Bracket — Bottom-Up View
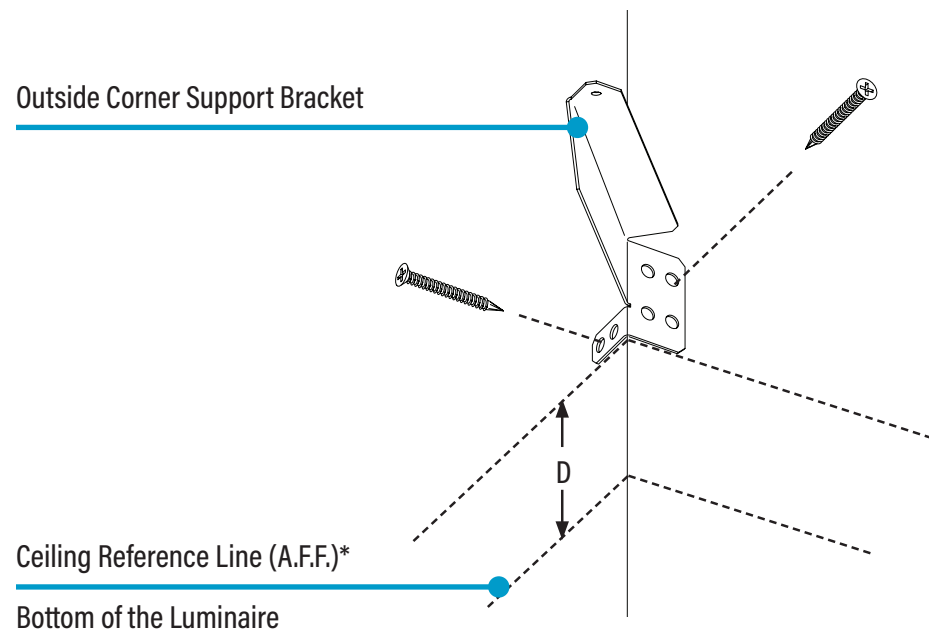
Outside Corner Support Bracket

D

Ceiling Reference Line (A.F.F.)*

Bottom of the Luminaire

Luminaire Depth	D (in)
2"	A.F.F. ceiling height + 3-5/16
4"	A.F.F. ceiling height + 5-5/16
6"	A.F.F. ceiling height + 7-5/16

- Fasten outside corner support bracket at distance **D** from the ceiling reference line A.F.F.*.
- Fasten bracket using appropriate #10 screws.

*A.F.F. - Above Finished Floor

B. Connect Flex Conduit — Bottom-Up View

Outside Corner Support Bracket

Ceiling

Endcap

Flex Conduit

Outside Corner Joint
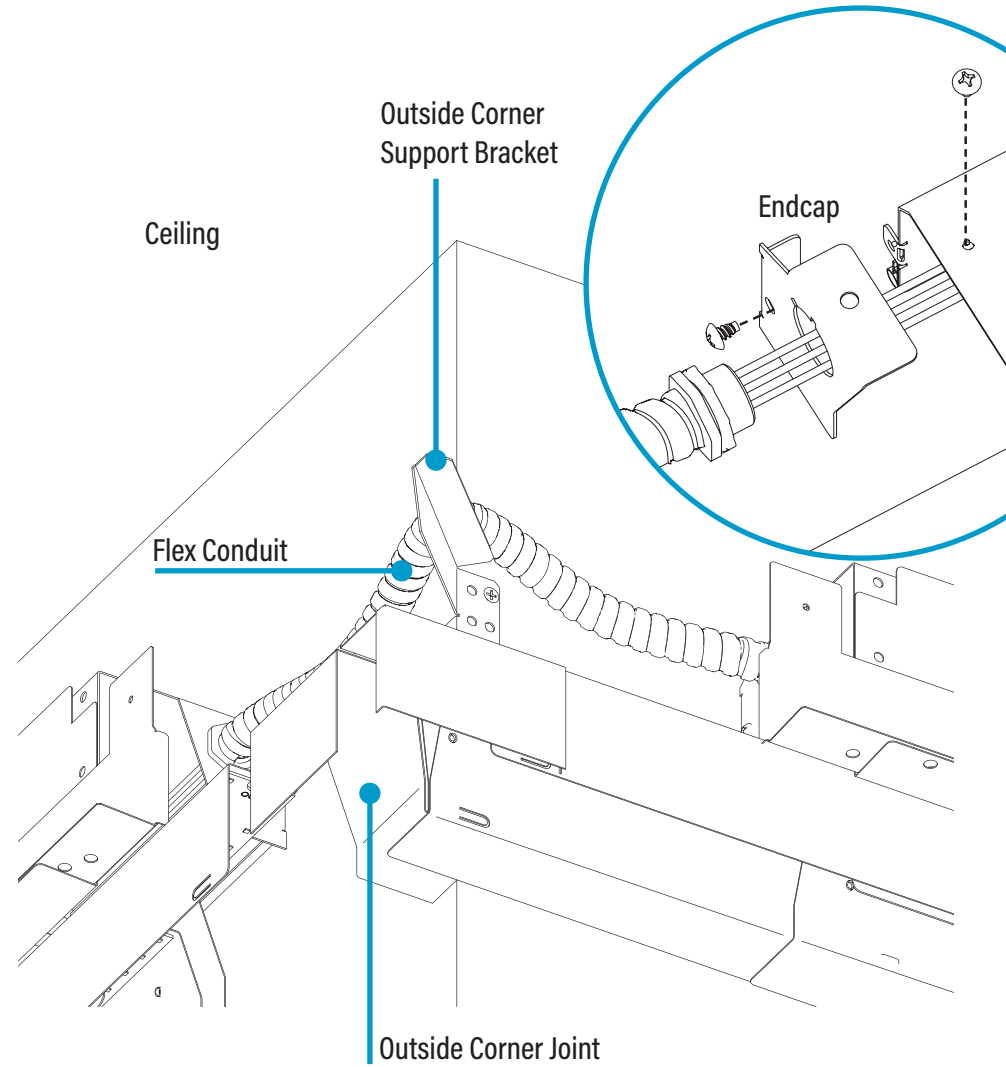
- Connect the through wiring using flex conduit and be sure the flex conduit goes above the corner support bracket.
- To connect flex conduit, remove two #8-18 x1/4" screws from telescope endcap for access.

C. Connect Corner Joint — Bottom-Up View

Outside Corner Joint

Telescoping Arm

- Connect the corner joint to the right telescoping arm using #8-18 x 1/4" screw.

CONTINUED

#10 Screws
(by others)

#8-18 x 1/4" Screw
(provided)

Flex Conduit
(provided)

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D. Install Gaskets Top View

Gasket

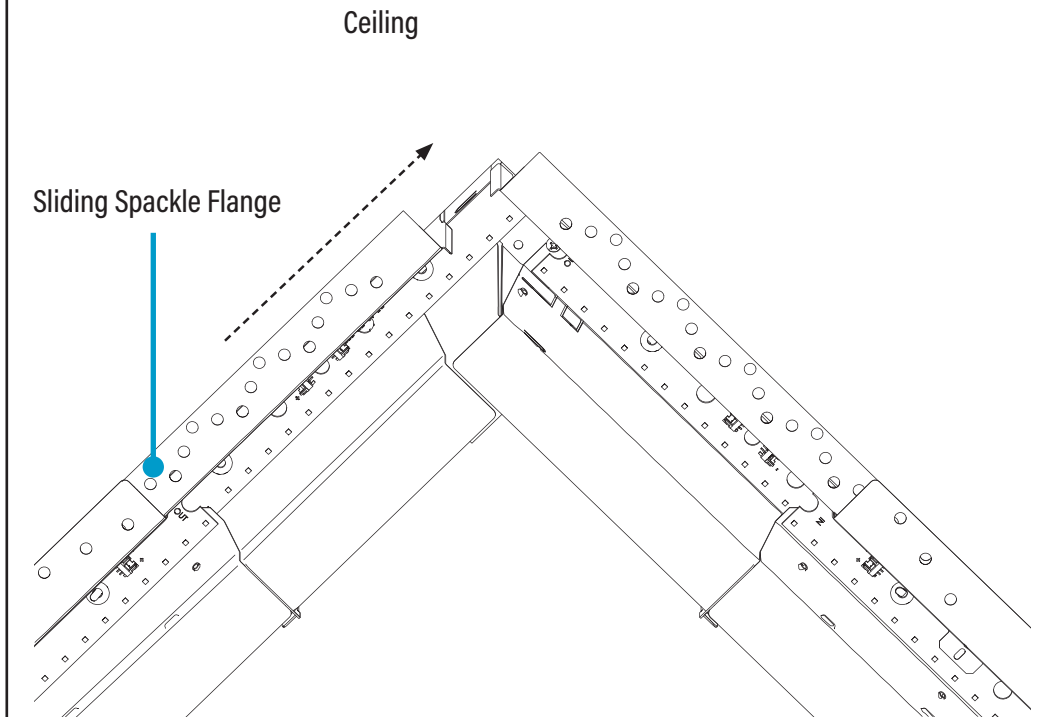Telescope Carrier

S

T

U

Wall Trim Gasket

Outside Corner Joint

- Locate wall trim gasket and cut to lengths **S, T,** & **U** after telescoping arms are extended.
- Cut miters where **T** and **U** meet at corner.
- Install corner gaskets by removing liner to expose adhesive, and attach gaskets to telescope carriers as shown.

E. Connect Telescope Arms Bottom-Up View

Ceiling

Outside Corner Joint

#8-18 x 1/4" Screw (provided)

Right Side Telescoping Arm

- Tip in right side carrier/telescoping arm towards corner support bracket.
- Reattach carrier by rotating carrier clips 90º counter-clockwise.
- Raise left side carrier/telescoping arm into place and fasten to right side telescoping arm at the corner joint using #8-18 x 1/4" screw.
- Secure all carriers with #8-18 x 1/2" screws.

F. Extend Sliding Spackle Flanges Bottom-Up View

Ceiling

Sliding Spackle Flange

- Extend sliding spackle flanges until they meet at the corner.
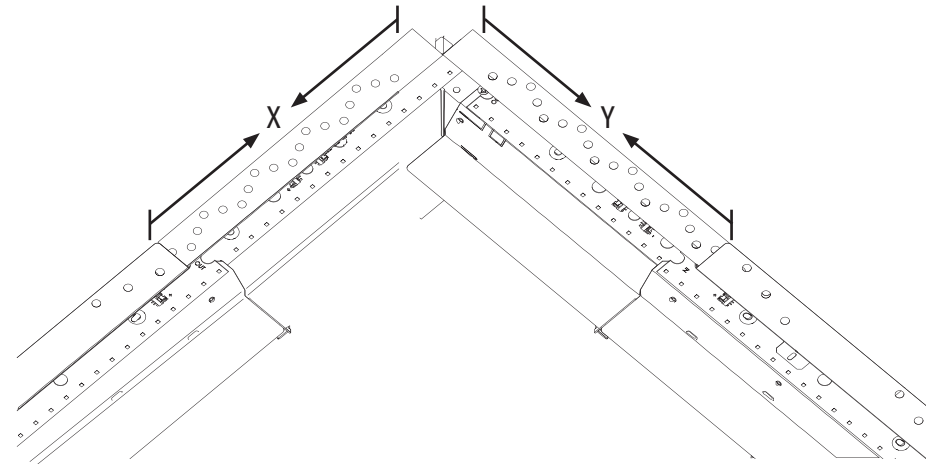
#8-18 x 1/4" Screw (provided)

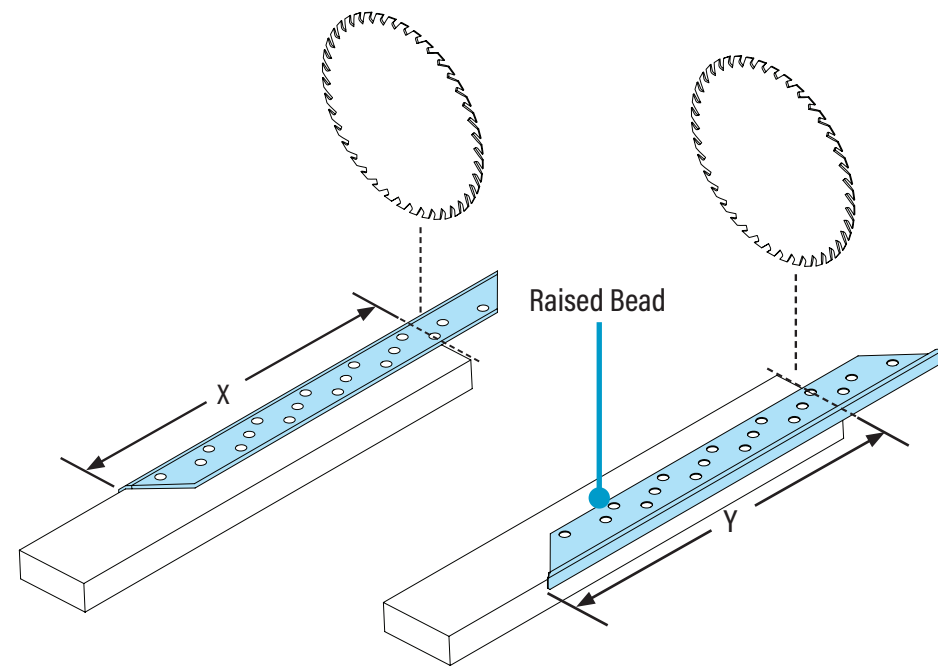Wall Trim Gaskets (provided)

#8-18 x 1/2" Screws (provided)

HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions
Step 6B - Outside Corner

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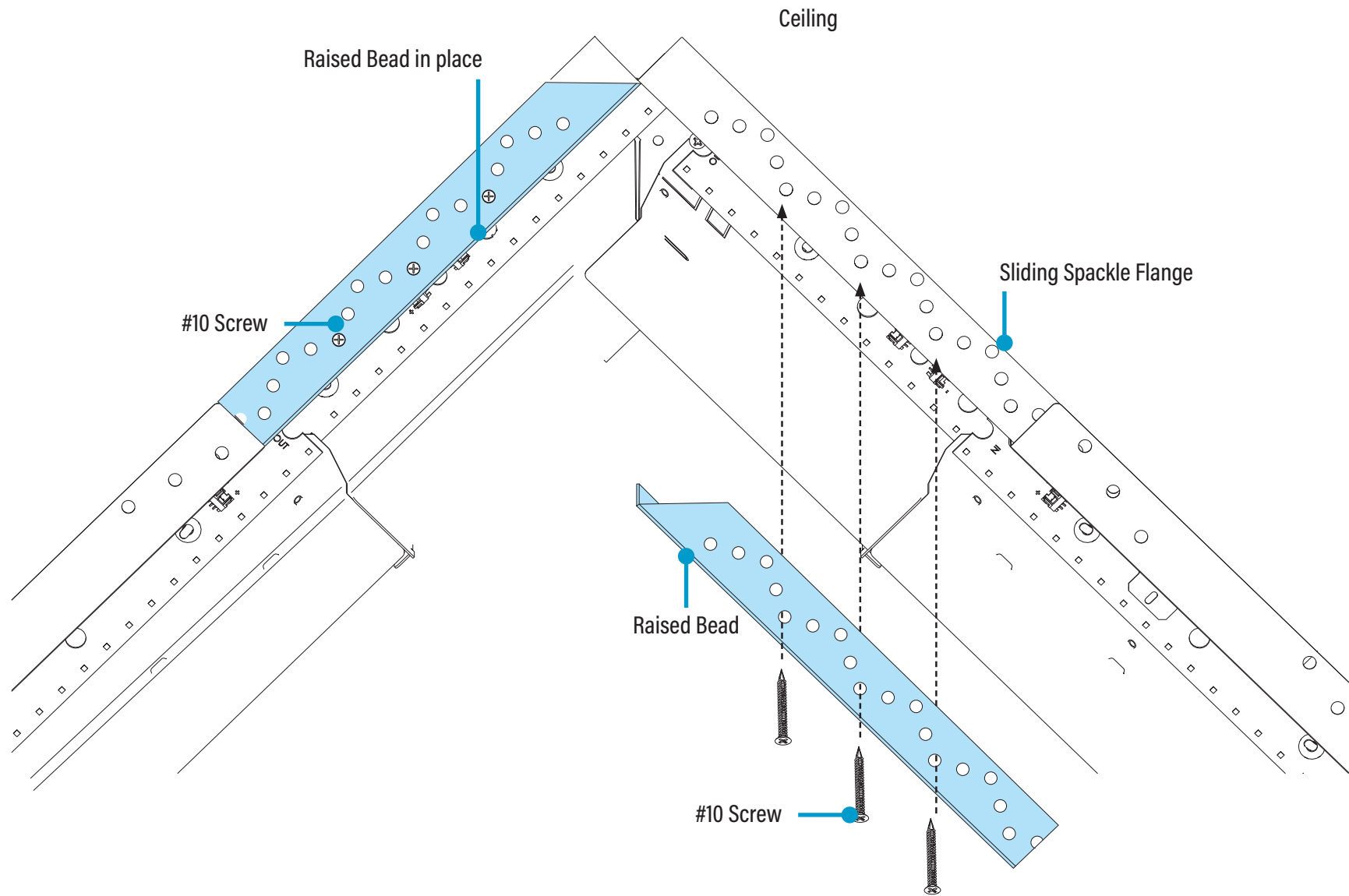### G. Measure Telescoping Length   Bottom-Up View

X   Y

- Measure telescoping areas. Measurements "X" and "Y" will vary.

Raised Bead

X

Y

- Measure from the square edge to the tip of a mitered edge.
- Cut the raised beads to **X** and **Y**

H. Secure Raised Bead   Bottom-Up View

Ceiling

Raised Bead in place

Sliding Spackle Flange

#10 Screw

Raised Bead

#10 Screw

- Mount raised beads to ceiling through telescoping sections using appropriate #10 screws.

#10 Screws
(by others)

Raised Bead
(provided)
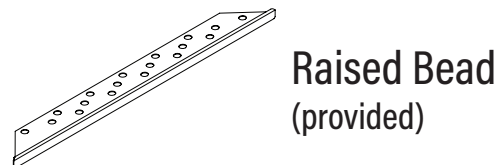
HP-WS Perimeter Slot Post-Ceiling Spackle Flange Installation Instructions
Step 7 - Straight Telescope

A. Extend Straight Telescope Bottom-Up View

Ceiling

Level

Telescoping Arm
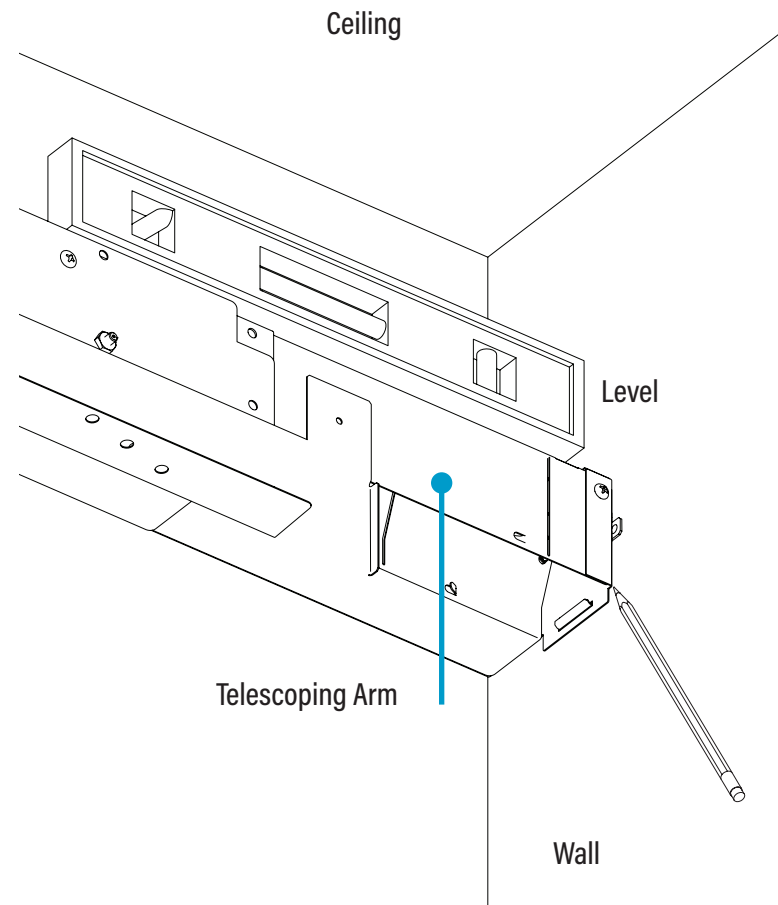
Wall
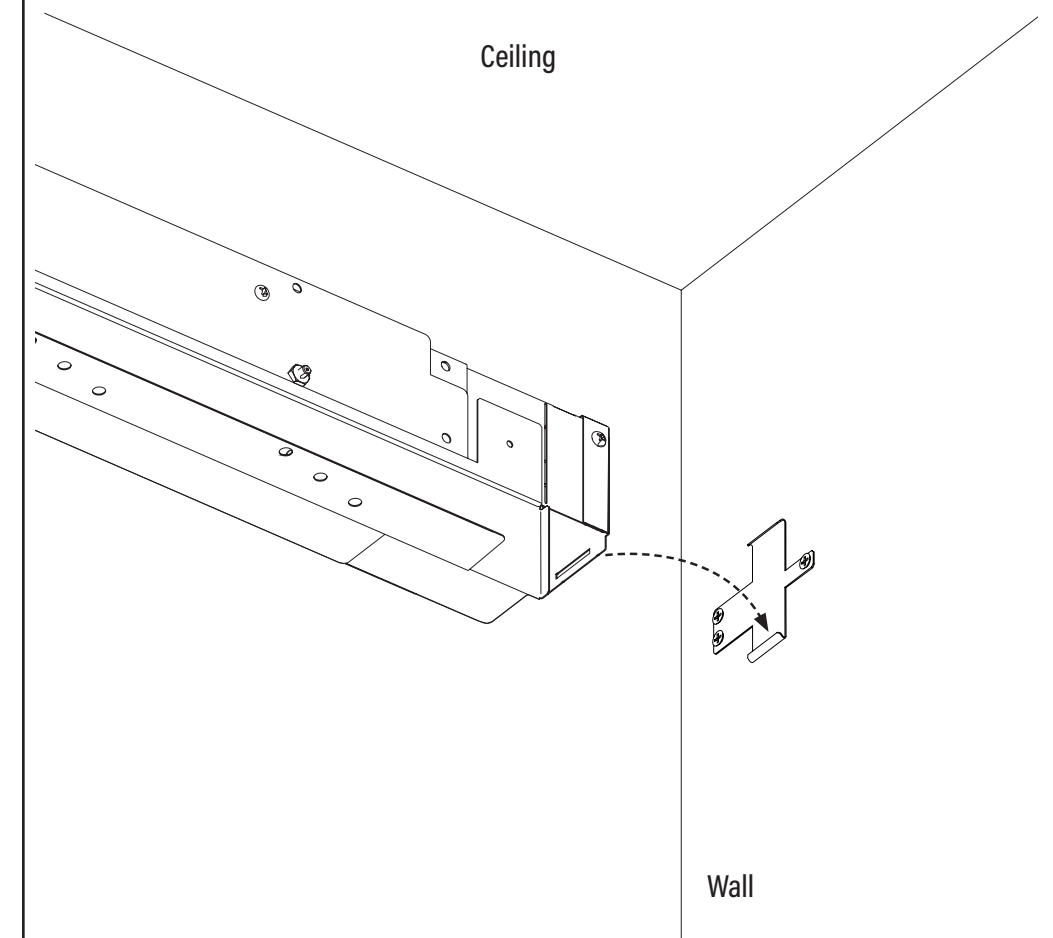
- Extend telescoping arm to wall, ensuring it is level.
- Mark where the telescope wall support bracket will be mounted.

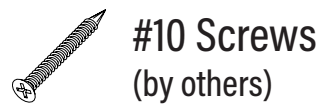**B. Mount Support Bracket** Bottom-Up View

Ceiling

Support
Bracket
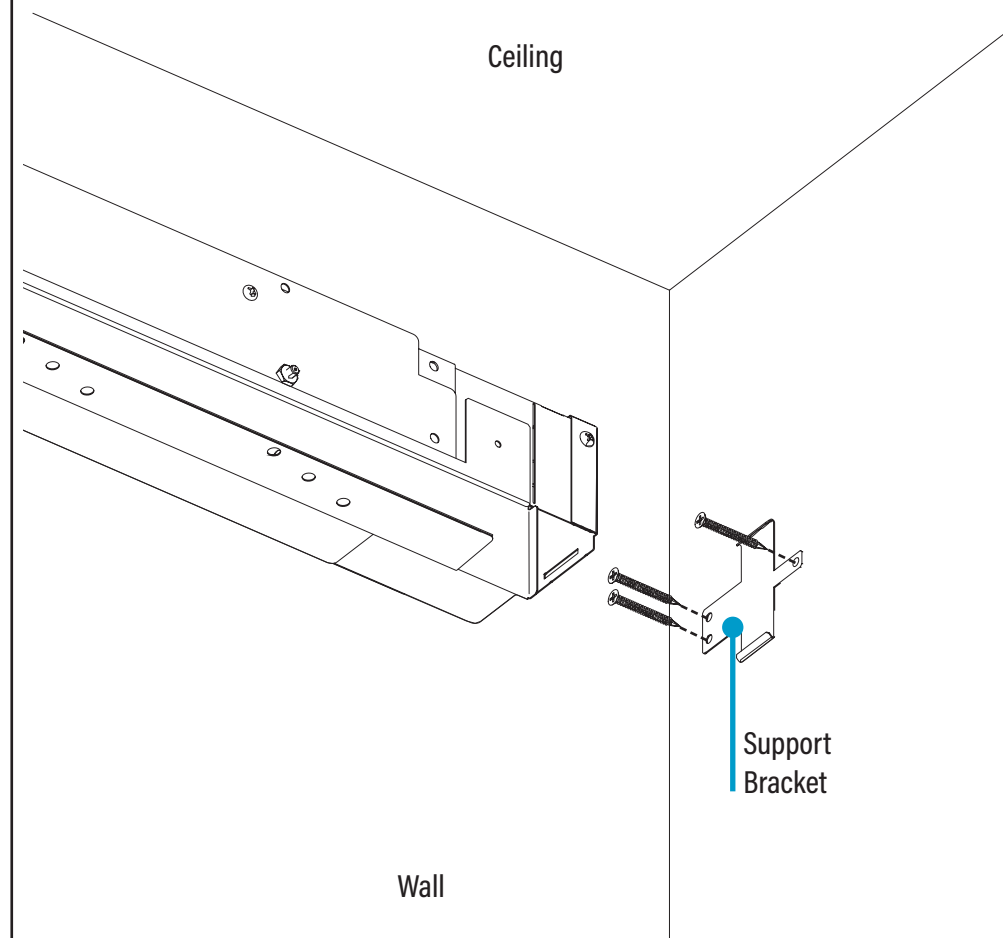
Wall

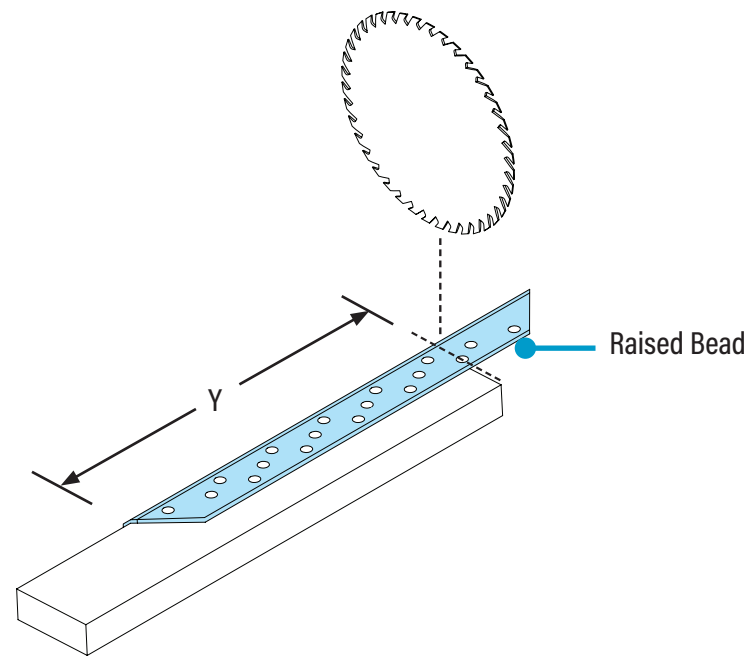- Mount support bracket to wall using appropriate #10 screws.

C. Hook Telescope Bottom-Up View

Ceiling

Wall

- Hook the telescope arm onto the support bracket using the slot provided.

#10 Screws
(by others)

FINELITE®
Better Lighting
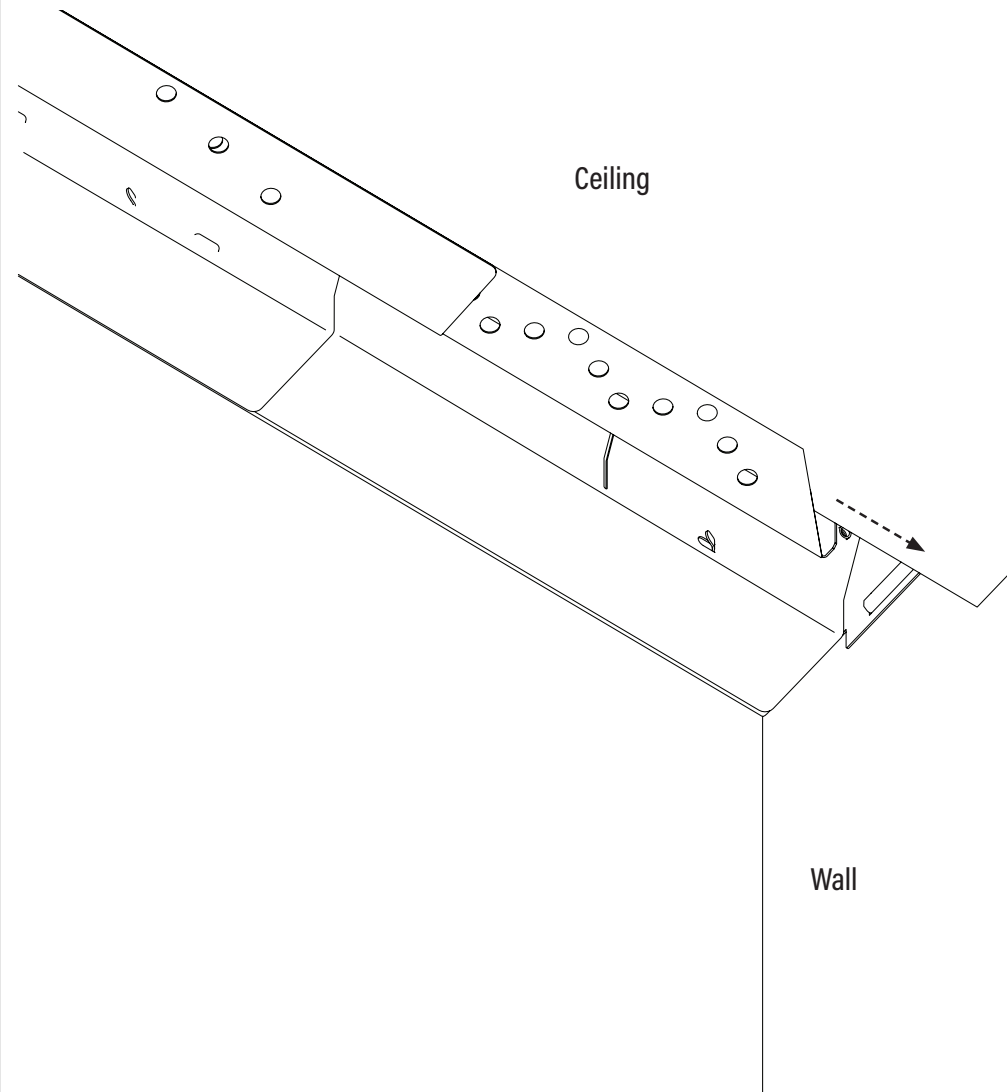
D. Measure Telescoping Length Bottom-Up View

Y

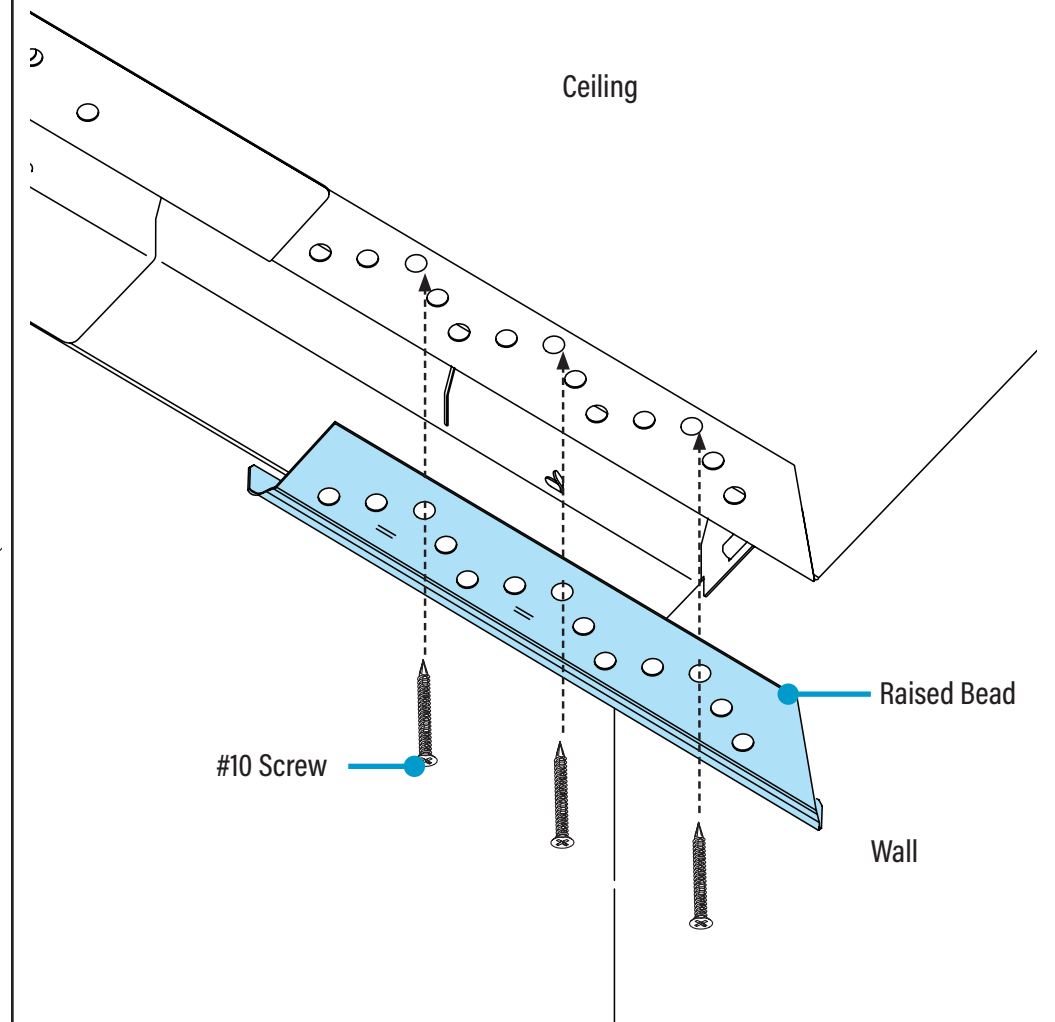- Telescoping area measurement "Y" will vary.

Y

Raised Bead

- Measure from the square edge to the tip of a mitered edge.
- Cut the raised bead to **Y**

E. Extend Sliding Spackle Flanges Bottom-Up View

Ceiling

Wall

- Extend the sliding spackle flange till it meets the wall.

F. Secure Raised Bead Bottom-Up View

Ceiling

Raised Bead

#10 Screw

Wall

- Mount raised bead to ceiling through telescoping section using appropriate #10 screws.
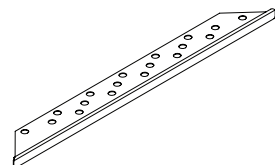
#10 Screws
(by others)

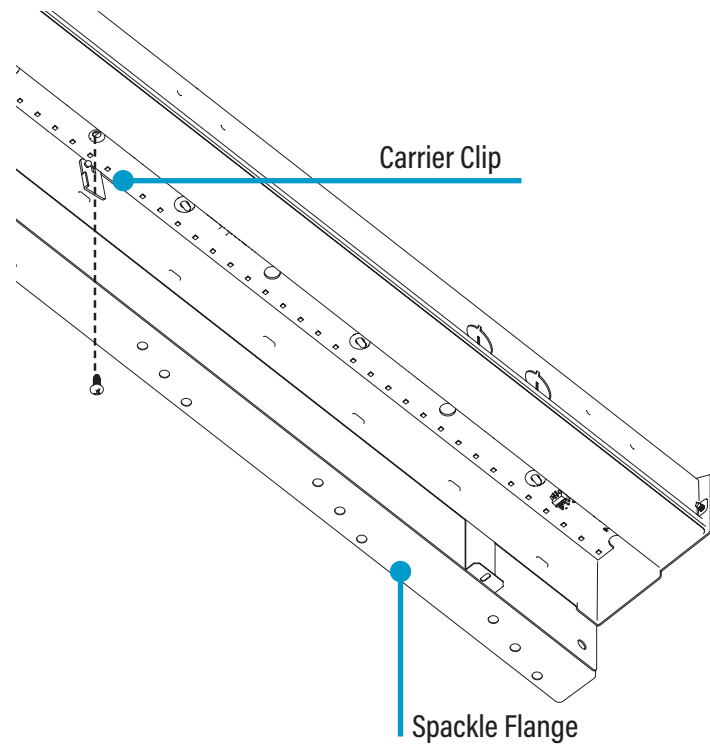Raised Bead
(provided)

FINELITE®
Better Lighting

A. Reinstall Carrier   Bottom-Up View

Carrier Clip

Spackle Flange

- Reattach carriers by rotating carrier clips 90º counter-clockwise.
- Secure the carriers with #8-18 x 1/2" screws.

B. Secure Spackle Flange   Bottom-Up View

Ceiling

Trowel

Mud Guard Cardboard
Inserts (provided)
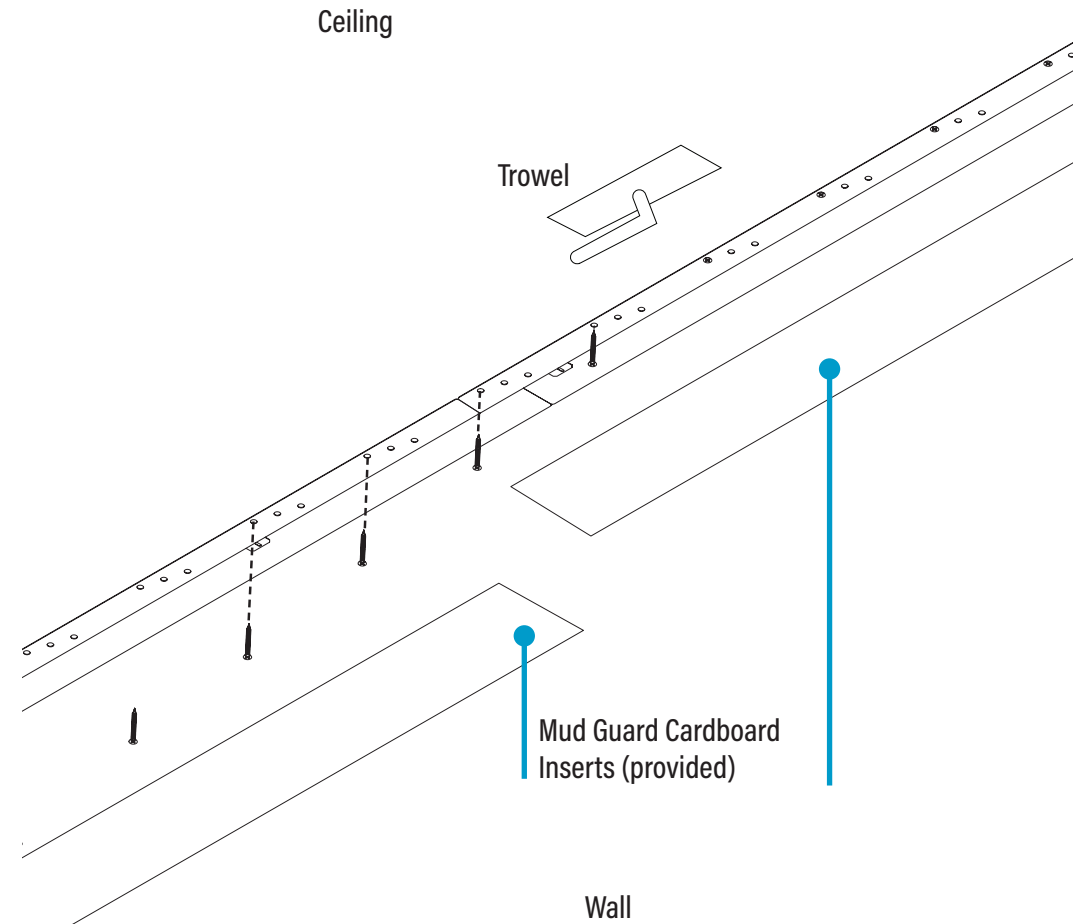
Wall

- Mount spackle flange to drywall ceiling using appropriate #10 screws.
- Install the mud guard cardboard inserts to help prevent spackle and paint from getting into the luminaire.
- Spackle to cover the flange.
- Perform all spackling and painting to walls and ceiling before removing "mud guards".

C. Measure Diffusers

X

X

X
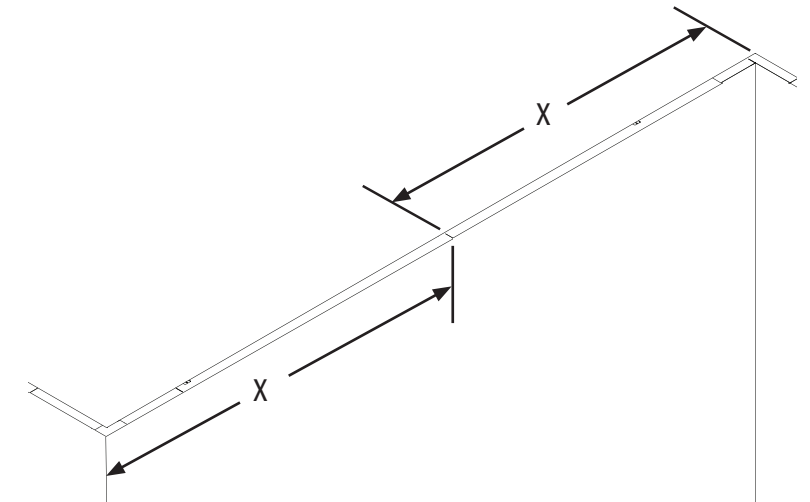
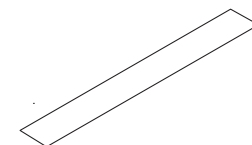- Diffuser measurement "X" will vary.
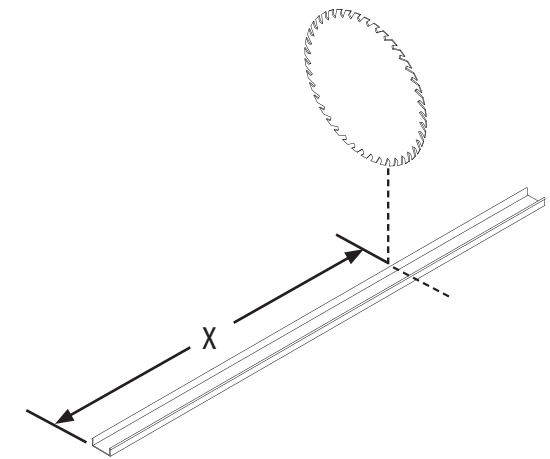
- Diffuser length **X** is always measured along the longest edge.
- Measure the overall length for square-edged lengths.
- Measure from the square edge to the tip of a mitered edge.
- Cut the diffuser to **X** minus 1/16". For example, if **X** is 8'6", cut the diffuser to 8' 5-15/16". This difference accounts for thermal expansion and helps to avoid light leaks.
- Diffusers should be cut at a room temperature between 70°F and 73°F. Contact the factory if cutting at temperature outside that range.

CONTINUED

#8-18 x 1/2" Screws
(provided)

#10 Screws
(by others)

#4-24 x 1/4" Self Drilling Screws
(provided)

Mud Guard
(provided)

D. Replace Diffusers Side View

4W Only

1

2

6W Only

1

2
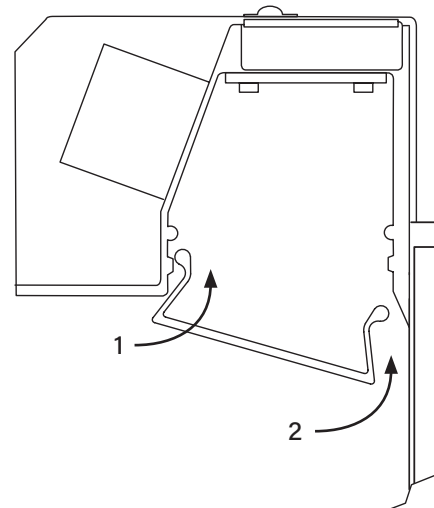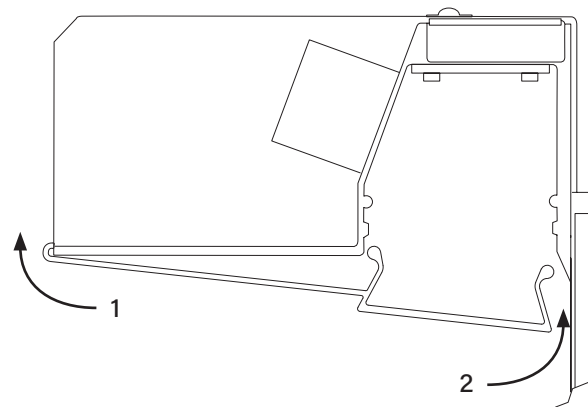
- Replace diffusers

Install Tapered Optic to Inside Corner Bottom-Up View

Diffuser

Ceiling

Tapered Optic

Wall

Wall

Bottom-Up View

Wall

Wall
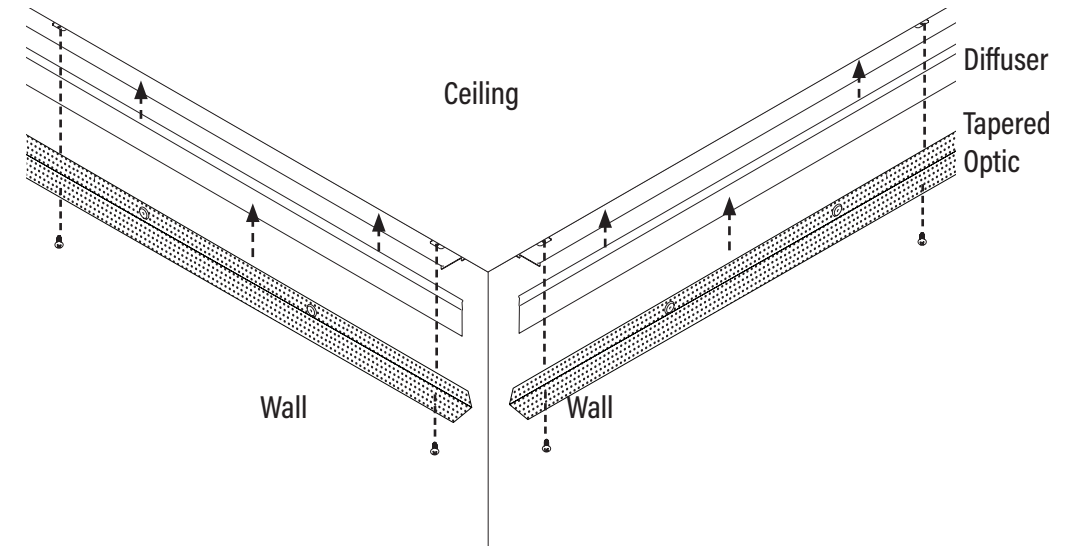
Non-Angled End of Tapered Optic
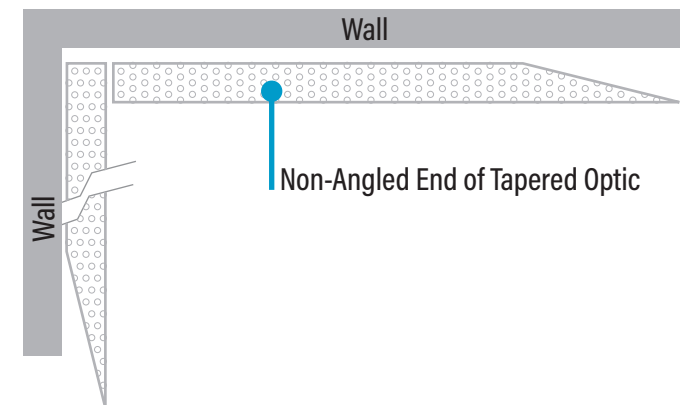
For Inside Corner Only
- Install diffusers and tapered optics using #4-24 x 1/4" screws at inside corner
- Non-angled end of tapered optic to be placed at ends of luminaire closest to perpendicular wall.
- Turn power on to luminaire.