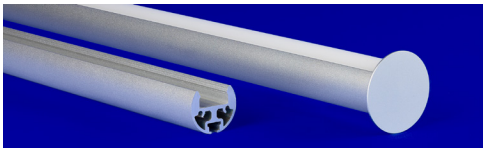
POSH

Field Assembled Extrusion - Closet Rod

SEE THIS EXTRUSION AS A FACTORY BUILT FIXTURE ▶

410.2 & 410.16





- Closet rod LED aluminum extrusion for field installation
- Wall-To-Wall and Float installation options
- Float: 28 lb/ft load capacity with 48" support bracket spacing, 60 lb/ft with 24" spacing
- W2W: 30 lb/ft load capacity with 48" support bracket spacing, 60 lb/ft with 24" spacing
- Tough, textured Type III anodized (hardcoat) aluminum resists scratches, corrosion and improves durability
- Meets NEC 410.2 and 410.16 safety standards
- Hidden wireways on the profile and mounting for clean appearance
- Ideal application areas: interior residential, commercial closets and clothing displays

1 PRODUCT	2 FINISH	3 MOUNTING	4 LENS	5 WIRE INPUT/OUTPUT	6 EXTRUSION LENGTH (IN)
POSH			DF	NI	

Sample Part Number: **POSH-ST-SB-DF-NI-48"**

1 PRODUCT

POSH

2 FINISH

ST	Satin
BK	Black
OBZ	Oil Rubbed Bronze

3 MOUNTING

NA Sold Separately

All hardware sold separately; see following pages for hardware ordering guide.

4 LENS

DF Diffused

For representation of LED visibility, see Diode Visibility section on following pages. For beam angles, see Photometric Performance section on following pages.

5 WIRE INPUT/OUTPUT

NI Not Installed

6 EXTRUSION LENGTH (IN)

1" increments from 1" - 98.43" Tolerance +0.0"/-0.5"

COMPATIBLE LED STRIPS

	STATIC WHITE (SW)	STATIC WHITE HIGH EFFICACY (SW-HE)
DRY	✔ W/FT: 1.5, 3.0, 4.0	✔ W/FT: 1.5, 3.0
DMP		
ENC		
WET		

Field modifications must comply with QTL's installation methods otherwise warranty is null & void | Surface mount | Suitable for installation in the storage area of a clothes closet when using wattage of 4.0W/ft or less

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Specification subject to change. Rev-08-07-26

POSH

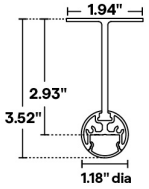
Field Assembled Extrusion - Closet Rod

SEE THIS EXTRUSION AS A FACTORY BUILT FIXTURE ▶

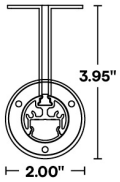
1 PRODUCT - DIMENSIONS



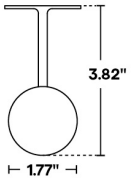
Profile



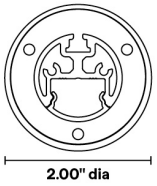
Profile with support bracket



Profile with support bracket and wall to wall mount kit



Profile with support bracket and float mount kit



Profile with cover

2 FINISH



Satin

Black

Oil Rubbed Bronze

4 DIODE VISIBILITY



DF - Diffused lens

PHOTOMETRIC PERFORMANCE

Nominal beam spread shown, beam spread varies based on light engine. For more detailed information, see photometric data



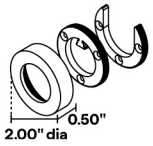
115°

MOUNTING

Hardware is not included & must be sold separately.

MAXIMUM LOAD RATING: 30 lb/ft load capacity with 48" support bracket spacing, 60 lb/ft with 24" spacing. Under full load conditions, expected mid-span deflection is approximately 1/4". With 48" bracket spacing and full load conditions, expected mid-span deflection is approximately 1/4". For reduced deflection 24" bracket spacing is recommended. Additional support brackets available for purchase. Load rating apply to rod and brackets only. Mounting surface must be structurally capable of supporting this load.

WALL TO WALL MOUNT KIT



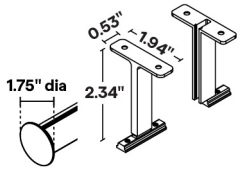
Mounting Plate, Cover, and U-Shape Mount for Wall to Wall

2 covers, 2 mounting plates, and 1 U-shape mount included in purchased kit

To order more wall to wall mounting kits use
Black: POSH-WM-Mounting-Kit-BK
Satin: POSH-WM-Mounting-Kit-ST
Oil Rubbed Bronze: POSH-WM-Mounting-Kit-OBZ

Each wall mount kit comes with M3.5 x 25mm flat head screws.

FLOAT MOUNT KIT



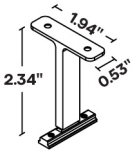
Float Endcap, Closet Rod Support Bracket and Closet Rod Wire Stay Support Bracket

2 float endcaps, 1 closet rod support bracket, and 1 closet rod wire stay support bracket included in purchased kit

To order more float mounting kits use
Black: POSH-Float-Mounting-Kit-BK
Satin: POSH-Float-Mounting-Kit-ST
Oil Rubbed Bronze: POSH-Float-Mounting-Kit-OBZ

Each float mount kit comes with M3.5 x 25mm flat head screws.

SUPPORT BRACKET



Closet Rod Support Bracket

To order more support brackets use
Black: POSH-SB-BK
Satin: POSH-SB-ST
Oil Rubbed Bronze: POSH-SB-OBZ

Each support bracket comes with M3.5 x 25mm flat head screws.

FIELD ASSEMBLY HARDWARE ORDERING GUIDE

WALL TO WALL ASSEMBLY MOUNTING		4 ft (48") Support Bracket Spacing - 30 lb/ft	2 ft (24") Support Bracket Spacing - 60 lb/ft			
Part Number	**Description**	4'-8' POSH Fixture	1'-2' POSH Fixture	2'-4' POSH Fixture	4'-6' POSH Fixture	6'-8' POSH Fixture
POSH-WM-Mounting-Kit-XX	POSH Wall to Wall Mount Kit	1	1	1	1	1
POSH-SB-XX	Additional Support Bracket	1	0	1	2	3

FLOAT ASSEMBLY MOUNTING		4 ft (48") Support Bracket Spacing - 28 lb/ft	2 ft (24") Support Bracket Spacing - 60 lb/ft	
Part Number	**Description**	1'-8' POSH Fixture	1'-6' POSH Fixture	6'-8' POSH Fixture
POSH-Float-Mounting-Kit-XX	POSH Float Mount Kit	1	1	1
POSH-SB-XX	Additional Support Bracket	0	0	1

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POSH

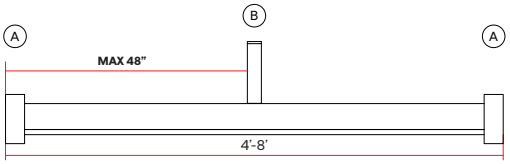
Field Assembled Extrusion - Closet Rod

SEE THIS EXTRUSION AS A FACTORY BUILT FIXTURE ▶

MOUNTING EXAMPLES

POSH WALL TO WALL WITH 48” SPACING - 30 lb/ft

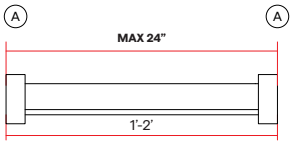
A. POSH-WM-Mounting-Kit-XX
B. POSH-SB-XX



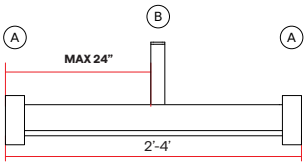
MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 1x Support Bracket (POSH-SB-XX)

POSH WALL TO WALL WITH 24” SPACING - 60 lb/ft

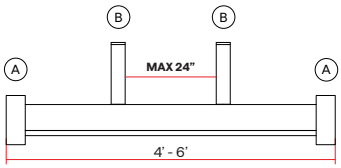
A. POSH-WM-Mounting-Kit-XX
B. POSH-SB-XX



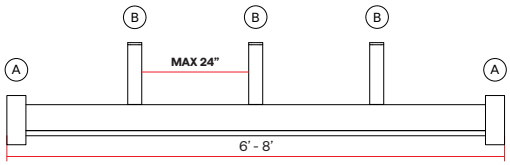
MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX)



MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 1x Support Brackets (POSH-SB-XX)



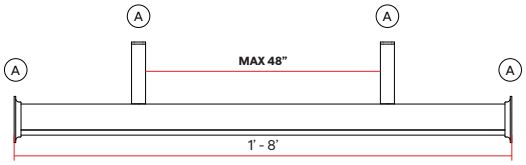
MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 2x Support Brackets (POSH-SB-XX)



MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 3x Support Brackets (POSH-SB-XX)

POSH FLOAT WITH 48” SPACING - 28 lb/ft

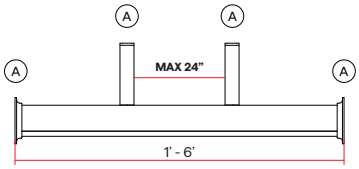
A. POSH-Float-Mounting-Kit-XX



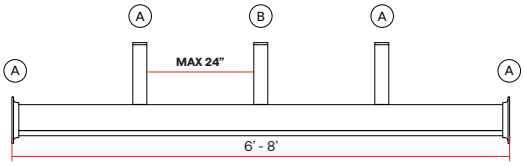
MOUNTING REQUIRED: 1x POSH Float Mounting Kit (POSH-Float-Mounting-Kit-XX)

POSH FLOAT WITH 24” SPACING - 60 lb/ft

A. POSH-Float-Mounting-Kit-XX
B. POSH-SB-XX



MOUNTING REQUIRED: 1x POSH Float Mounting Kit (POSH-Float-Mounting-Kit-XX)



MOUNTING REQUIRED: 1x POSH Float Mounting Kit (POSH-Float-Mounting-Kit-XX), 1x Support Bracket (POSH-SB-XX)

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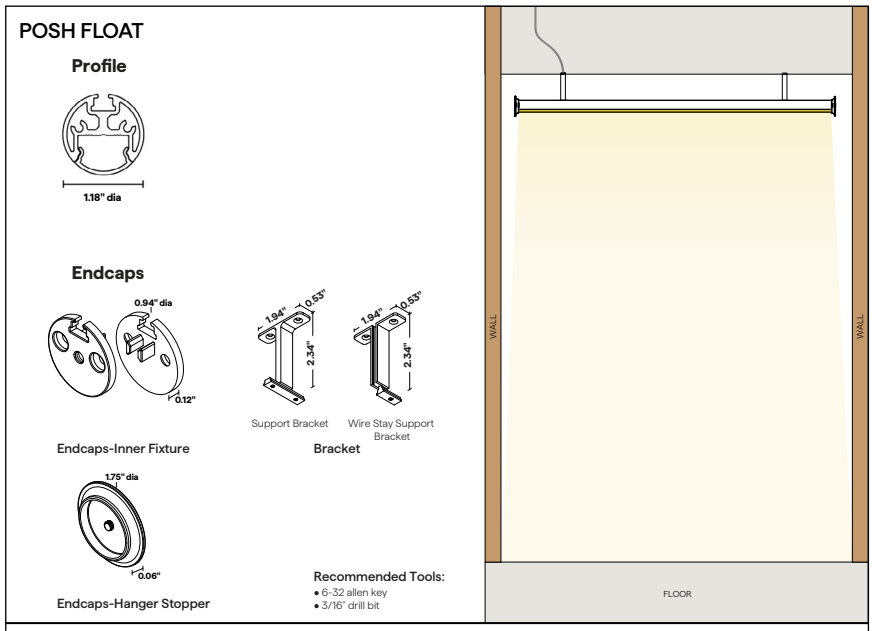
POSH

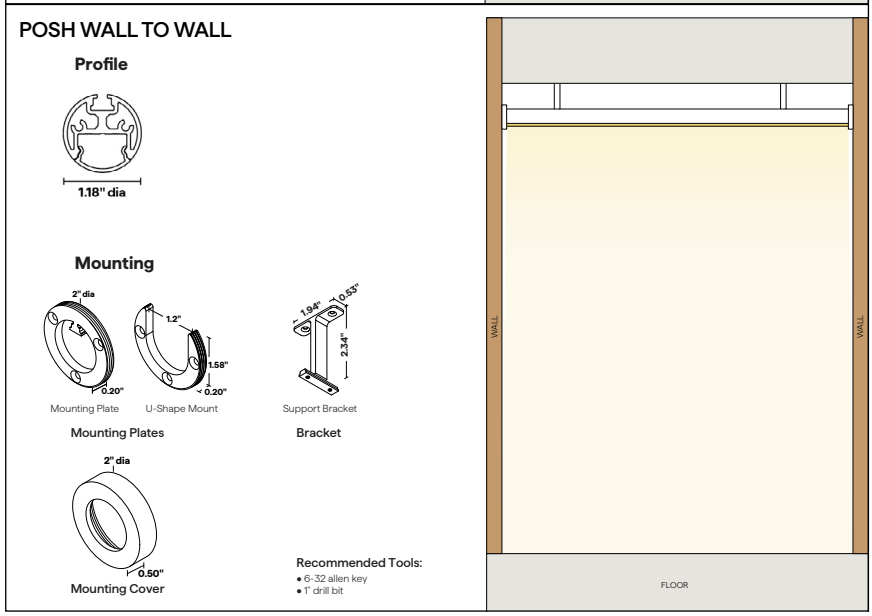
Field Assembled Extrusion Installation Instructions

ATTENTION: Please read all instructions BEFORE installation

- Product to be installed by a licensed electrician
- Always ensure power supply connection to electrical circuit is disconnected before working on it
- Follow diagram to connect Secondary Voltage wires to power supply. Refer to QTL power supply instructions for wiring
- Use only with Class 2 power supply unit — Compatible for use with QTL power supplies
- Surface mount
- Suitable for DRY locations
- Suitable for installation in storage area of a clothes closet when assembled as a finished extrusion up to 4W/ft at QTL facility
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

METHODS OF INSTALLATION





- COMPONENTS & HARDWARE (PAGE 2)
- LEDS SOLDERED (PAGE 3)
- CUTTING & ASSEMBLY (PAGE 4)
- MAXIMUM LOAD RATING (PAGE 8)
- FLOAT (PAGE 10)
- WALL TO WALL (FIXTURE 4FT OR LESS) (PAGE 12)
- WALL TO WALL WITH SUPPORTS (PAGE 14)

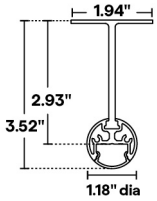
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POSH

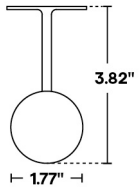
Field Assembled Extrusion Installation Instructions



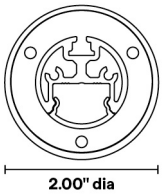
Profile



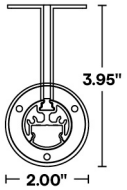
Profile with support bracket



Profile with endcap hanger stopper and support bracket



Profile with cover

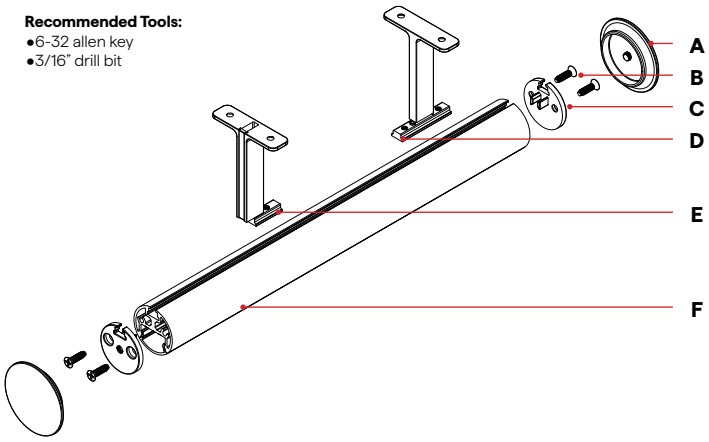


Profile with support bracket and wall to wall mount kit

COMPONENTS & HARDWARE: load rating applies to rod and brackets only. Mounting surface must be structurally capable of supporting this load.

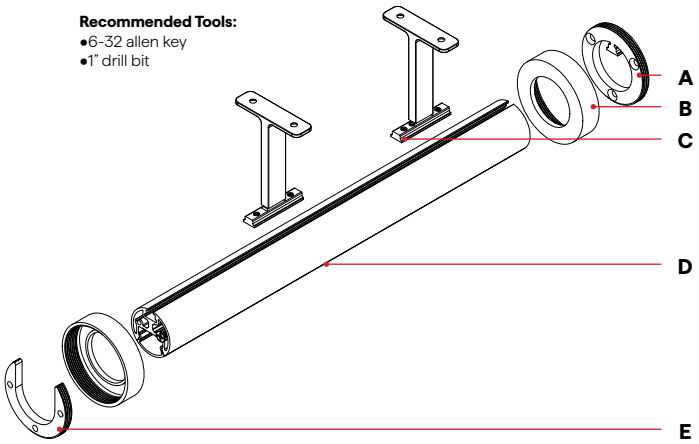
POSH FLOAT

Recommended Tools:
- 6-32 allen key
- 3/16" drill bit



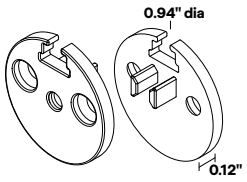
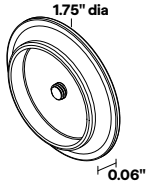
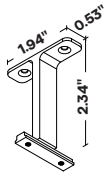
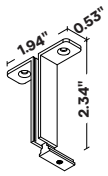
POSH WALL TO WALL

Recommended Tools:
- 6-32 allen key
- 1" drill bit



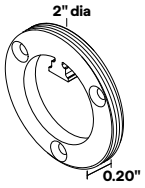
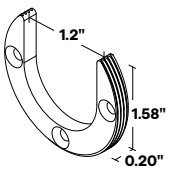
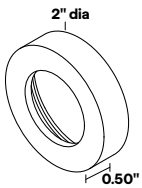
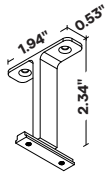
POSH FLOAT

- **A.** Endcaps-Hanger Stopper
- **B.** Provided Screws
- **C.** Endcaps-Inner Fixture
- **D.** Support Bracket
- **E.** Wire Stay Support Bracket
- **F.** Fixture

ENDCAPS		BRACKET	
			
ENDCAPS-INNER FIXTURE	ENDCAPS-HANGER STOPPER	SUPPORT BRACKET	WIRE STAY SUPPORT BRACKET

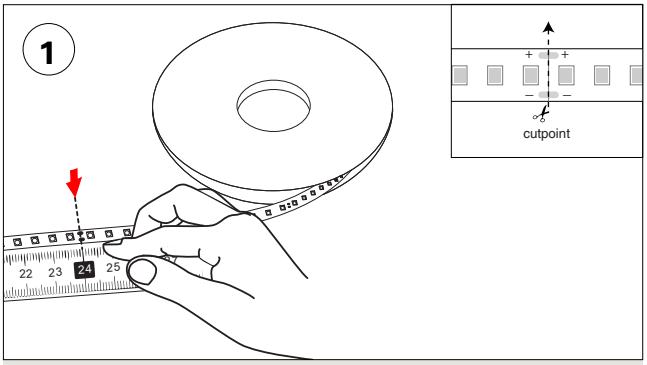
POSH WALL TO WALL

- **A.** Mounting Plate
- **B.** Mounting Cover
- **C.** Support Bracket
- **D.** Fixture
- **E.** U-SHAPE Mount

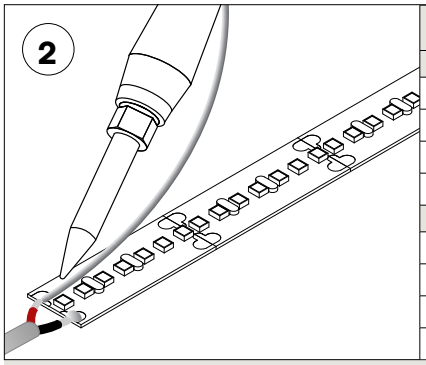
MOUNTING PLATE		COVERS	BRACKET
			
MOUNTING PLATE	U-SHAPE MOUNT	MOUNTING COVER	SUPPORT BRACKET

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LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: DRY IP20



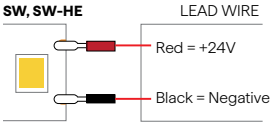
Measure and cut LED strip to desired length with scissors along the cut point.



ITEMS INCLUDED
iQ-LED-24-KIT
(1) 24" Lead wire
(1) 6" Solder
(1) 1" Shrink Tube
(1) 1/2" Shrink Tube
iQ-JUMP-6-KIT
(1) 6" Lead wire
(1) 6" Solder
(2) 1" Shrink Tube
(2) 1/2" Shrink Tube

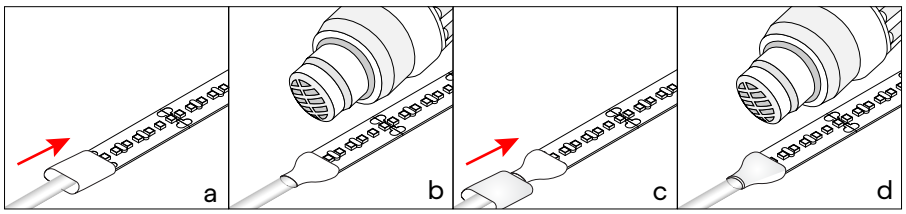
Solder lead wire onto solder pad. Confirm wires are matched up correctly before soldering. See wiring diagrams below for specific light engine details.

NOTE: Recommended soldering iron temperature of 650˚ – 700˚F for lead-free solder.



3

NOTE:
Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure before proceeding with step #3.



ONCE ALL CONNECTIONS ARE FUNCTIONING PROPERLY, DISCONNECT POWER AND BEGIN HEAT SHRINKING INSTRUCTIONS BELOW:

a: Place 1st sleeve (1/2" Shrink Tube) on lead wire.

b: Shrink the tube with heat gun.

c: Place 2nd sleeve (1" Shrink Tube) on lead wire.

d: Shrink the tube with heat gun.

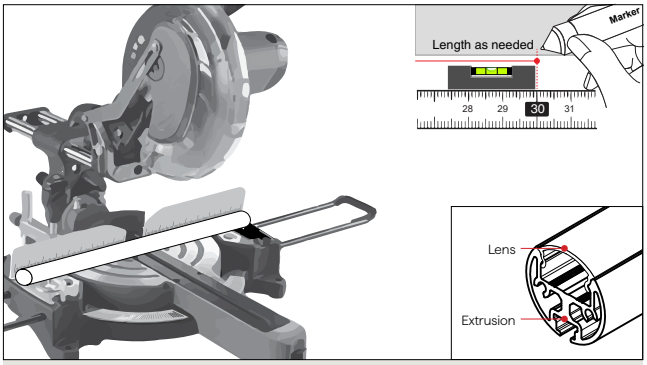
NOTES:

- *Avoid bending in sharp angles which may damage the LED.*
- *Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.*
- *Diagrams for representation only and not to scale.*

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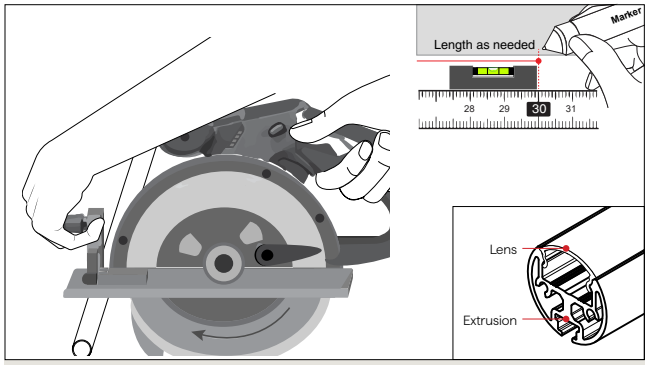
CUTTING EXTRUSIONS FOR IN-FIELD ASSEMBLY-FLOAT

QTL strongly recommends cutting the extrusion and lens together to achieve a clean cut.



To achieve corners or angles, measure the LED extrusion to desired length and cut with a miter saw.

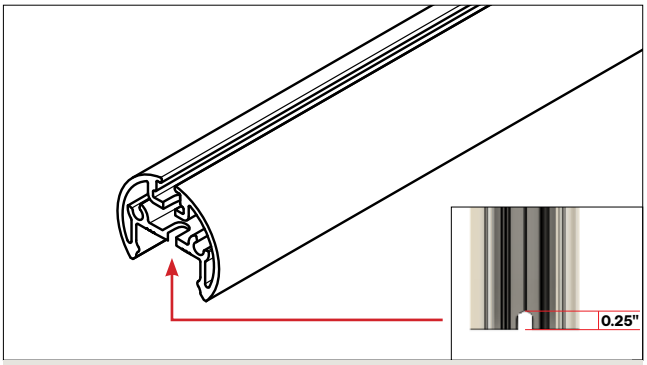
OR



For straight runs, measure LED extrusion to desired length and cut it with a circular saw.

NOTE: Using the proper blade for aluminum, cut to the desired length. Recommend using a 10 in. x 80-tooth medium aluminum saw blade.

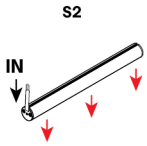
ROUTE PROFILE



Remove the lens from POSH profile to route profile for an S2 feed.

CONFIGURATION OPTIONS

SINGLE (Input only)



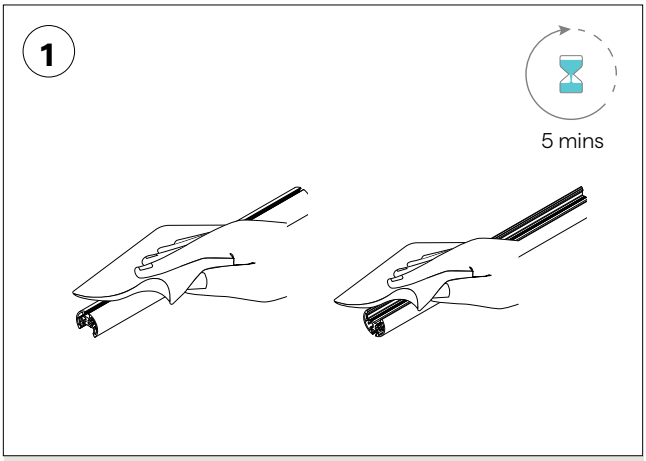
Review wire method to ensure clean installation prior to mounting extrusion.

NOTE: Additional wire methods include:
S2 : Connector/Wire Input only

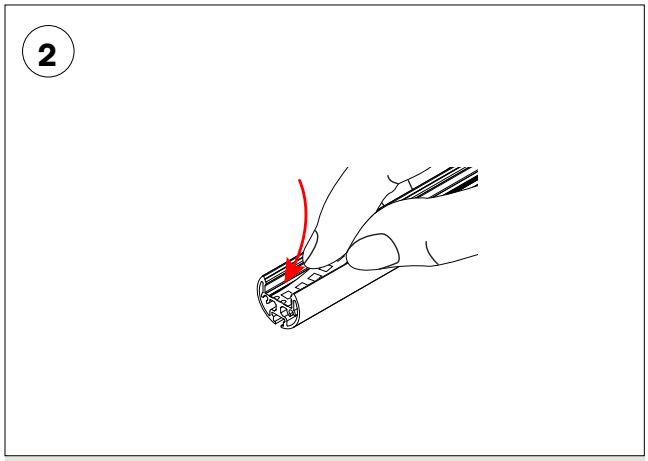
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LED INSERTION FOR IN-FIELD ASSEMBLY-FLOAT

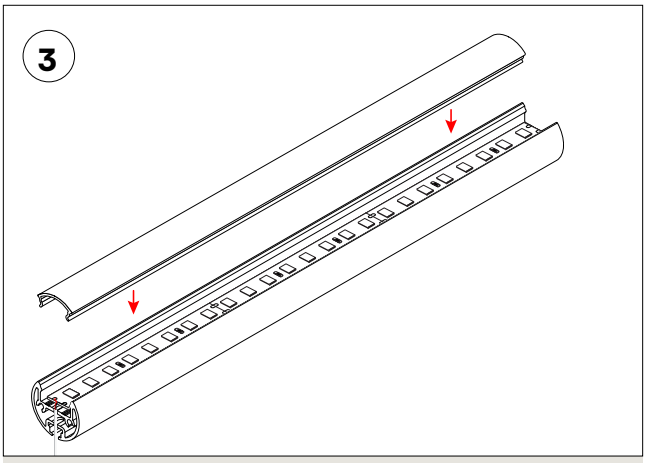
STRIP IN EXTRUSION



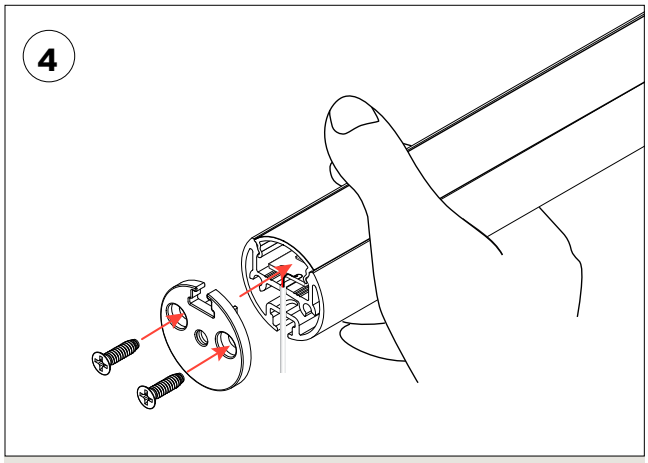
Using a 50/50 alcohol mix throughly clean, the surface of the extrusion and the multi-tray surface. Allow time to dry (about 5 minutes).



Gently place LED in extrusion/tray. Apply firm pressure to the bonding surface. This will reduce the chances of dust and debris from contaminate adhesive. The smallest amount of exposed adhesive is the best case.



Lenses: Apply uniform pressure until the extrusion and lens snap securely together.

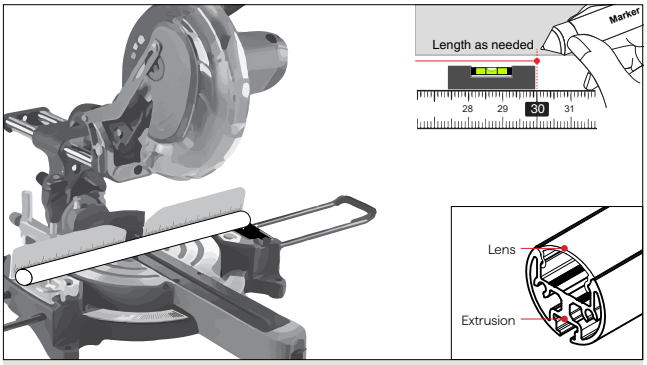


Mount Endcaps-Inner Fixture to both ends of the profile with two 6-32 type F screws.

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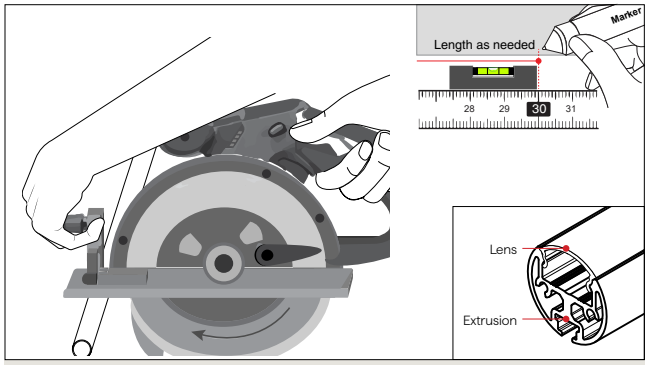
CUTTING EXTRUSIONS FOR IN-FIELD ASSEMBLY-WALL TO WALL

QTL strongly recommends cutting the extrusion and lens together to achieve a clean cut.



To achieve corners or angles, measure the LED extrusion to desired length and cut with a miter saw.

OR



For straight runs, measure LED extrusion to desired length and cut it with a circular saw.

NOTE: Using the proper blade for aluminum, cut to the desired length. Recommend using a 10 in. x 80-tooth medium aluminum saw blade.

CONFIGURATION OPTIONS

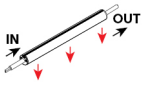
SINGLE (Input only)

S1



PASS THROUGH (Input/Output)

P1



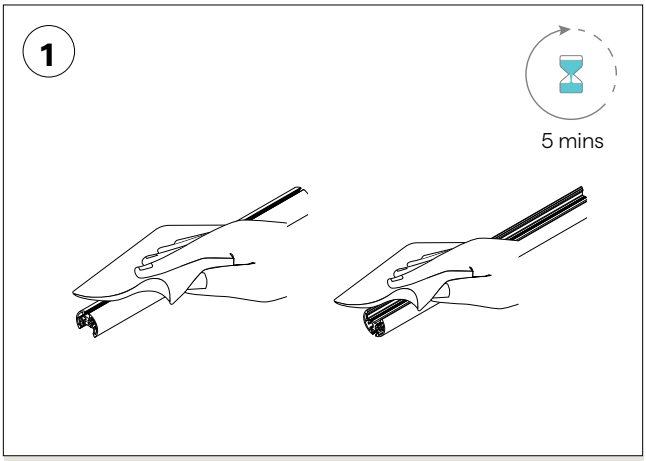
Review wire method to ensure clean installation prior to mounting extrusion.

NOTE: Additional wire methods include:
S1 : Connector/Wire Input only
P1 : Connector/Wire Input and Output

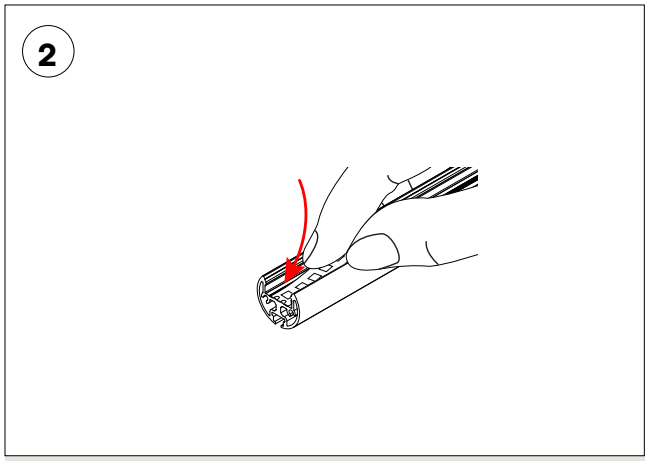
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LED INSERTION FOR IN-FIELD ASSEMBLY-WALL TO WALL

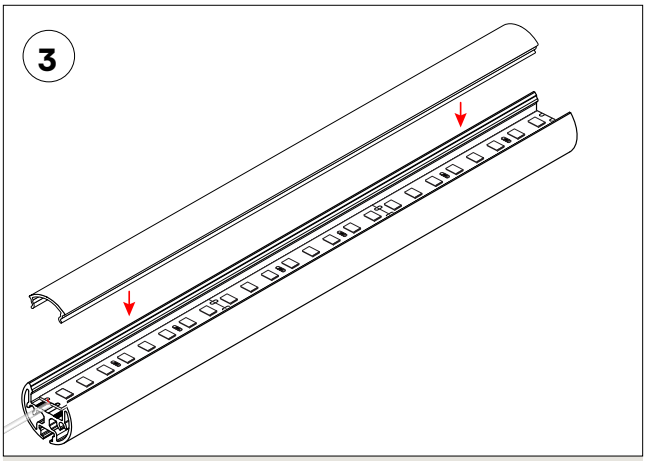
STRIP IN EXTRUSION



Using a 50/50 alcohol mix throughly clean, the surface of the extrusion and the multi-tray surface. Allow time to dry (about 5 minutes).



Gently place LED in extrusion/tray. Apply firm pressure to the bonding surface. This will reduce the chances of dust and debris from contaminate adhesive. The smallest amount of exposed adhesive is the best case.



Lenses: Apply uniform pressure until the extrusion and lens snap securely together.

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FIELD ASSEMBLY HARDWARE ORDERING GUIDE

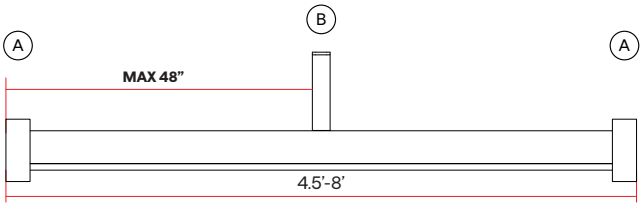
WALL TO WALL ASSEMBLY MOUNTING		4 ft (48") Support Bracket Spacing - 30 lb/ft	2 ft (24") Support Bracket Spacing - 60 lb/ft			
Part Number	**Description**	4.5'-8' POSH Fixture	1'-2' POSH Fixture	2'-4' POSH Fixture	4'-6' POSH Fixture	6'-8' POSH Fixture
POSH-WM-Mounting-Kit-XX	POSH Wall to Wall Mount Kit	1	1	1	1	1
POSH-SB-XX	Additional Support Bracket	1	0	1	2	3

FLOAT ASSEMBLY MOUNTING		4 ft (48") Support Bracket Spacing - 28 lb/ft	2 ft (24") Support Bracket Spacing - 60 lb/ft	
Part Number	**Description**	2.5'-8' POSH Fixture	1'-6' POSH Fixture	6'-8' POSH Fixture
POSH-Float-Mounting-Kit-XX	POSH Float Mount Kit	1	1	1
POSH-SB-XX	Additional Support Bracket	0	0	1

MOUNTING EXAMPLES

POSH WALL TO WALL WITH 48" SPACING - 30 lbs/ft MAX

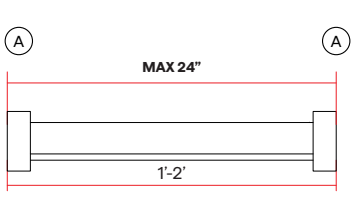
A. POSH-WM-Mounting-Kit-XX
B. POSH-SB-XX



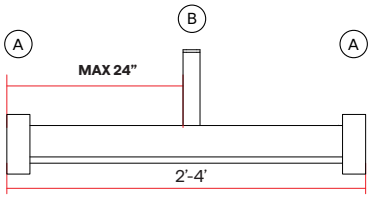
MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 1x Support Bracket (POSH-SB-XX)
NOTE: Deflection up to 1/4" may be visible with 48" spacing unless load is distributed evenly

POSH WALL TO WALL WITH 24" SPACING - 60 lbs/ft MAX

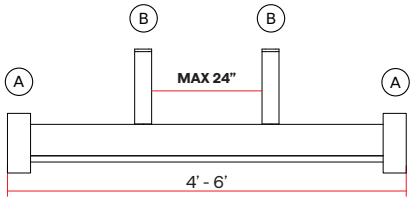
A. POSH-WM-Mounting-Kit-XX
B. POSH-SB-XX



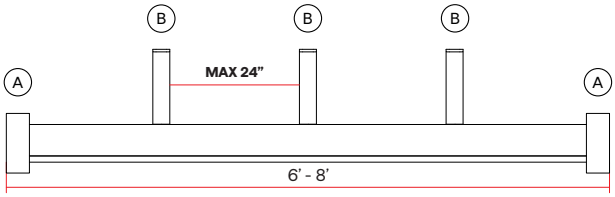
MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX)



MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 1x Support Brackets (POSH-SB-XX)



MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 2x Support Brackets (POSH-SB-XX)



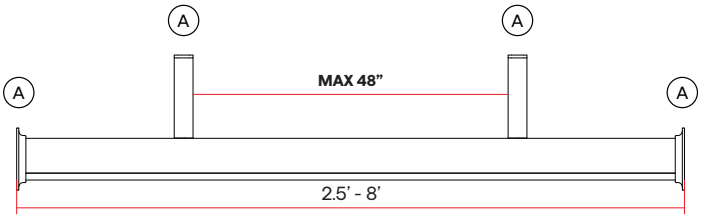
MOUNTING REQUIRED: 1x POSH Wall to Wall Mounting Kit (POSH-WM-Mounting-Kit-XX), 3x Support Brackets (POSH-SB-XX)

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MOUNTING EXAMPLES

POSH FLOAT WITH 48” SPACING - 28 lbs/ft MAX

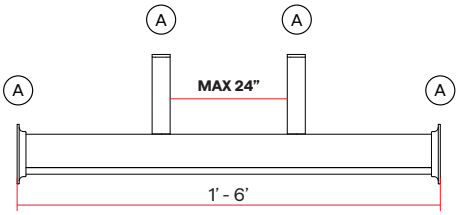
A. POSH-Float-Mounting-Kit-XX



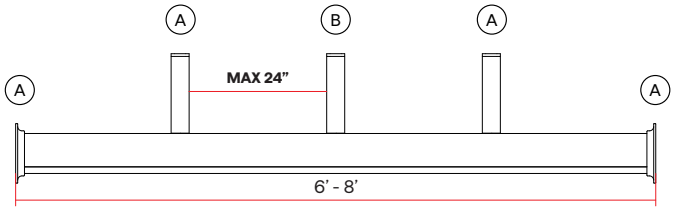
MOUNTING REQUIRED: 1x POSH Float Mounting Kit (POSH-Float-Mounting-Kit-XX)
NOTE: Deflection up to 1/2” may be visible with 48” spacing unless load is distributed evenly

POSH FLOAT WITH 24” SPACING - 60 lbs/ft MAX

A. POSH-Float-Mounting-Kit-XX
B. POSH-SB-XX



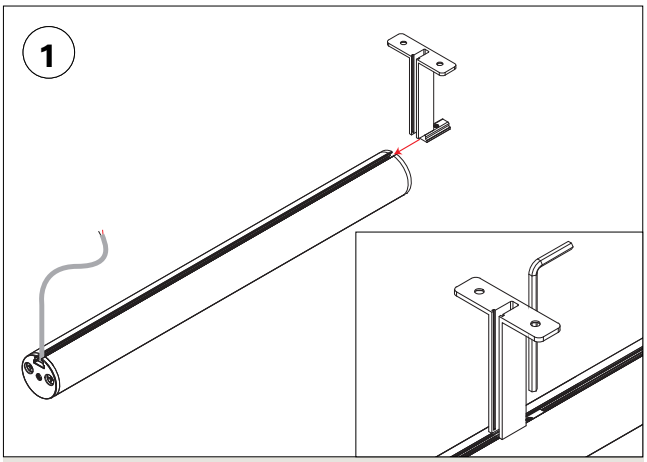
MOUNTING REQUIRED: 1x POSH Float Mounting Kit (POSH-Float-Mounting-Kit-XX)



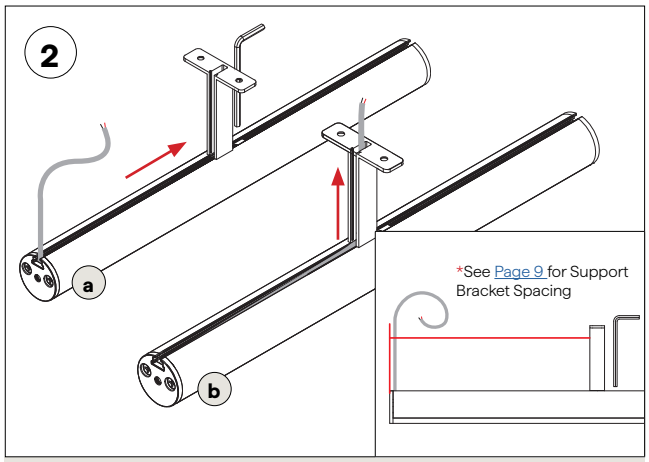
MOUNTING REQUIRED: 1x POSH Float Mounting Kit (POSH-Float-Mounting-Kit-XX), 1x Support Bracket (POSH-SB-XX)

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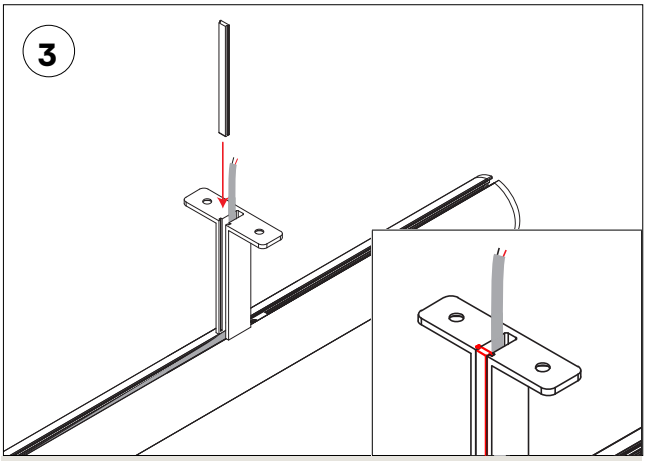
MOUNTING METHOD: **FLOAT INSTALL**



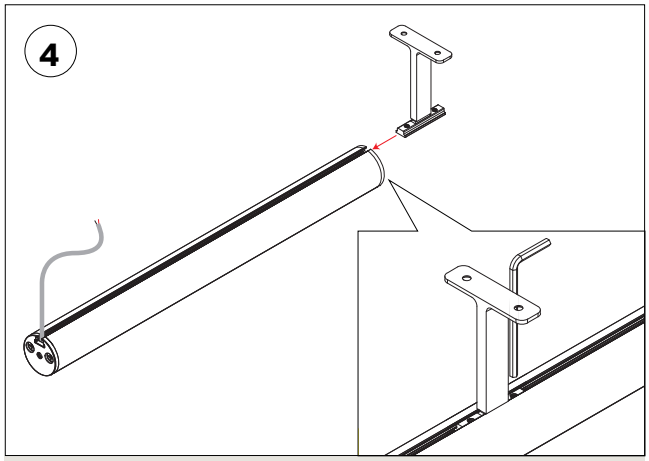
- Slide Wire Stay Support Bracket in from non-wire feed side and position Wire Stay Support Bracket according to the spacing required until the wire feed end. Then lock in place with set screw.



- Press wire into top channel and wire stay support (**a-b**).



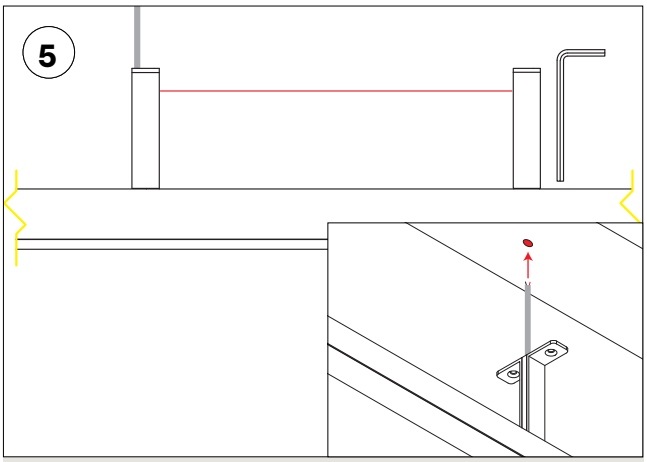
- Slide in wire stay lid to cover the vertical wire.



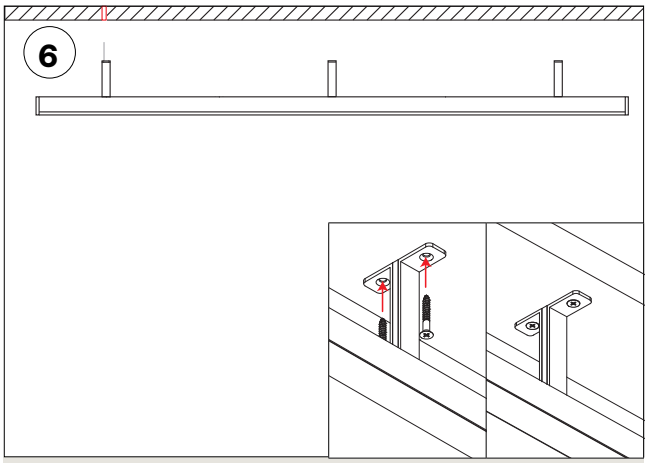
- Slide standard support in from non-wire feed side within the range of specified maximum support bracket spacing indicated on page 8, then lock in place with set screw.

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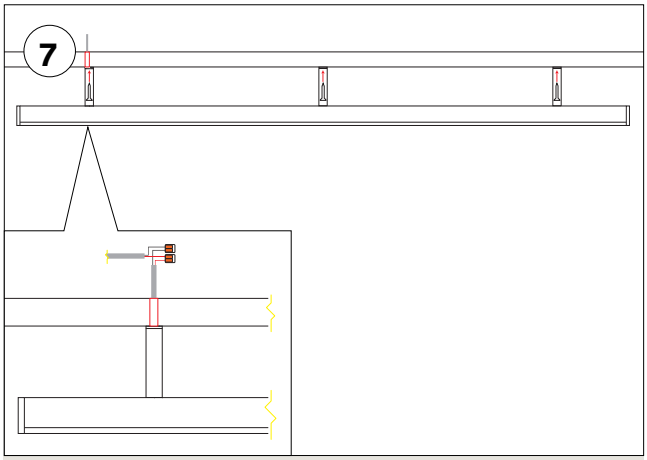
MOUNTING METHOD: **FLOAT INSTALL**



- Once all Support Brackets are in bring fixture up to desired mounting surface to mark the power feed hole location. Then drill out hole for wire feed (could also mark/drill pilot hole locations for other Support Brackets).
- Recommended hole size of 3/16”

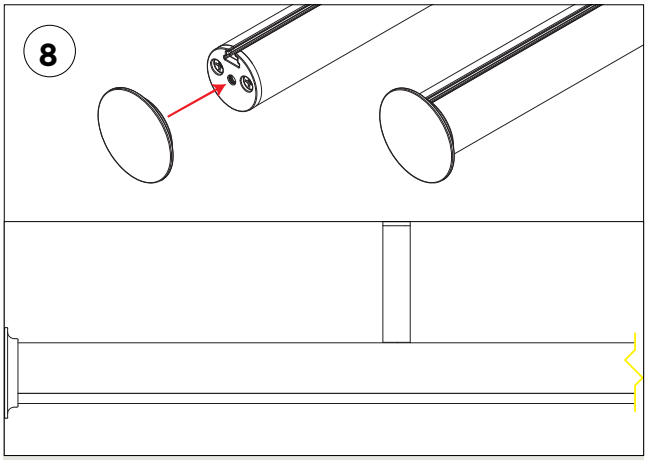


- Once the power feed hole location is drilled, pass power feed from the fixture through the hole, and mount the fixture to desired mounting surface using provided screws (Blocking required by others if necessary).



- After mounting the fixture to the surface make connection in the space above.

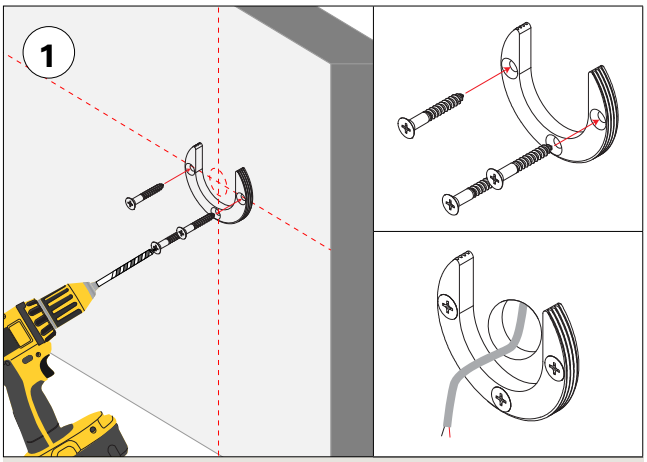
NOTE: External driver and feed wire not included (24V Input Voltage Required).



- Once fully mounted screw on Endcaps-Hanger Stopper.

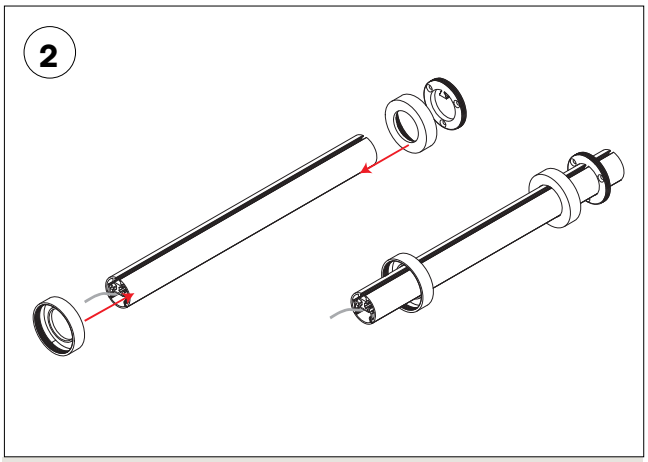
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MOUNTING METHOD: **WALL TO WALL** (FIXTURE 2ft OR LESS)

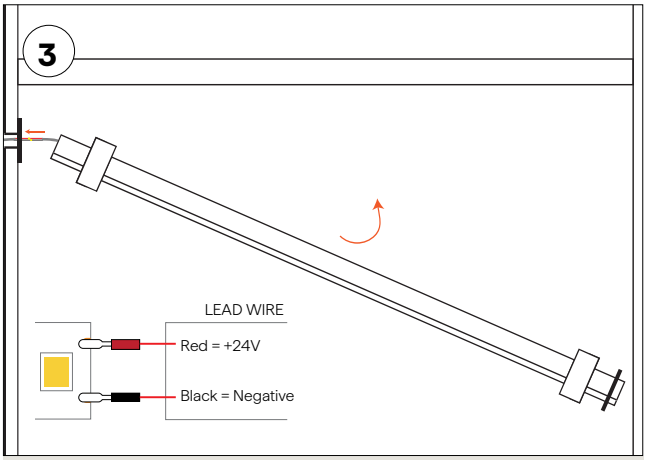


- Mount U-SHAPE Mount to wall at desired height with provided screws (Blocking required by others).
- Once mounted drill a 1" hole for power feed. After hole is drilled pull out wire from behind wall.

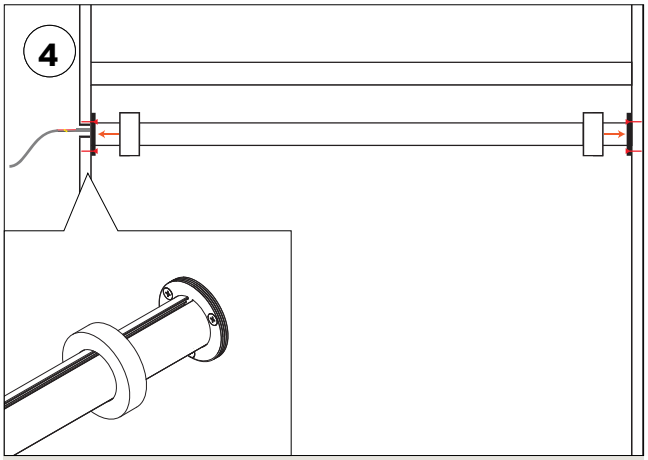
NOTE: External driver and feed wire not included (24V Input Voltage Required).



- Slide on covers and other mounting plate.



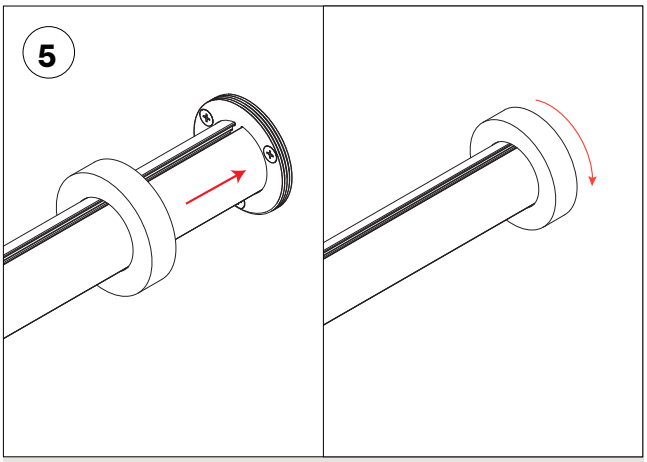
- Make wire connection and rotate fixture onto first mounted U-SHAPE Mount.



- Mount other Mounting Plate onto wall with provided screws (Blocking required by others).

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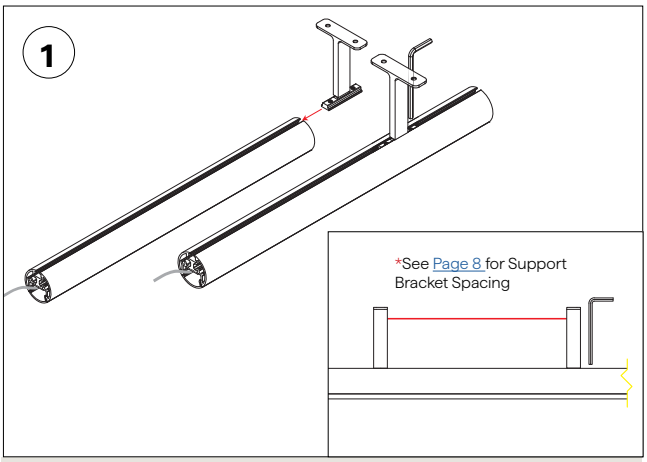
MOUNTING METHOD: **WALL TO WALL** (FIXTURE 2ft OR LESS)



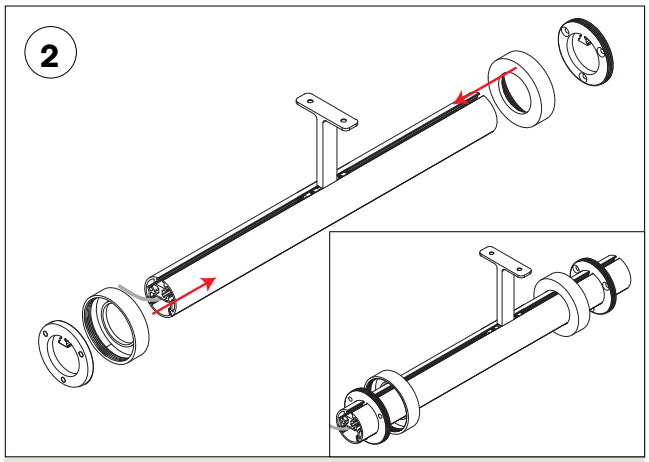
- Screw on Mounting Covers.

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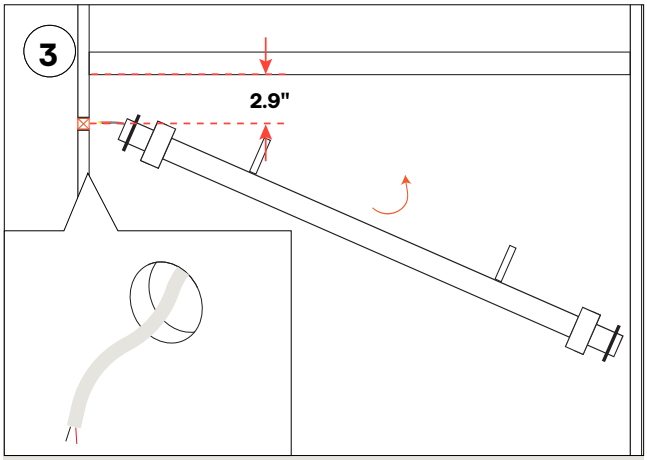
MOUNTING METHOD: **WALL TO WALL WITH SUPPORT BRACKET**



- Slide in support brackets and lock down with set screws.

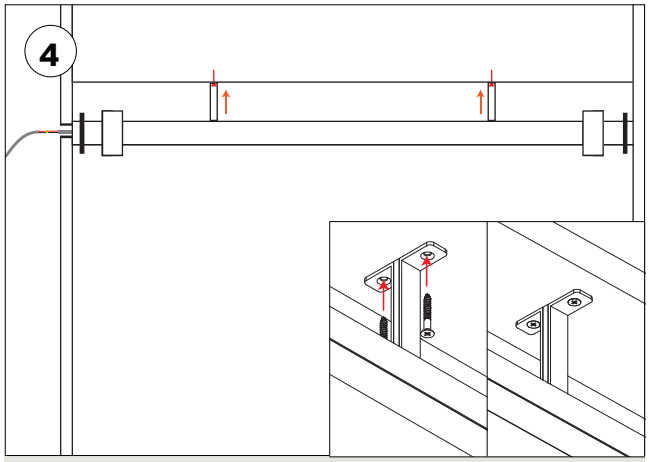


- Slide on Mounting Covers and Mounting Plates.



- Position fixture with support brackets onto bottom surface of shelf or ceiling. Mark center point of hole for power feed location. (~2.9" Away from the bottom surface of shelf or ceiling).
- Drill a 1" diameter hole at marked center point.
- Pull Power feed through.

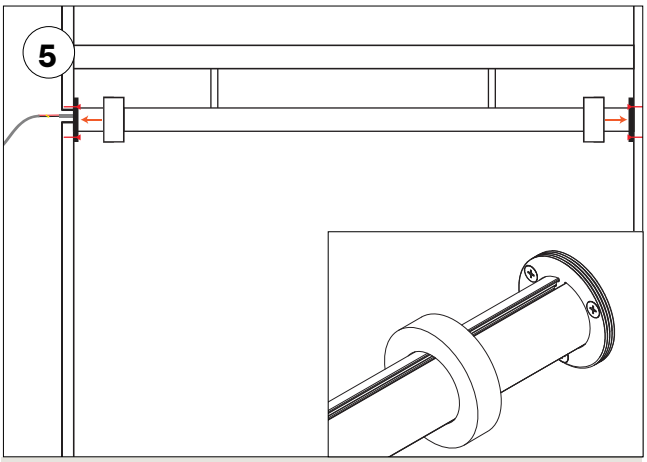
NOTE: External Driver & Feed wire Not Included (24V Input Voltage Required).



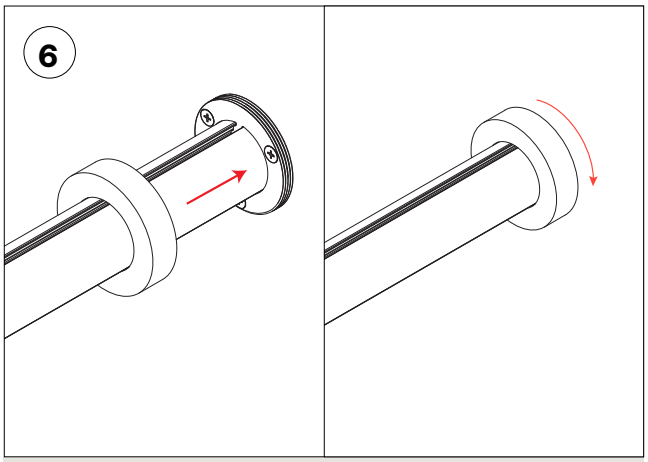
- Mount other Support Brackets to the shelf or ceiling using provided screws.

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MOUNTING METHOD: **WALL TO WALL WITH SUPPORT BRACKET**



- Mount both Mounting Plates onto wall.



- Screw on Mounting Covers.

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