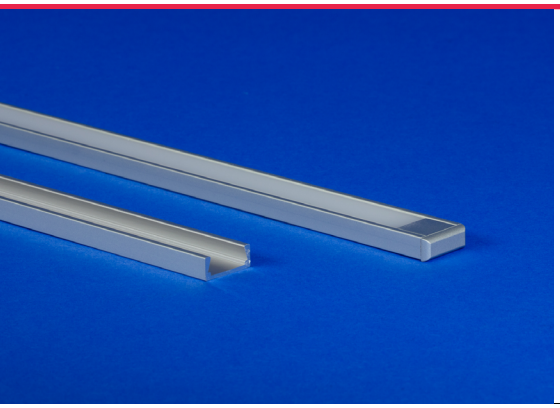
SLIM

ALUMINUM EXTRUSION



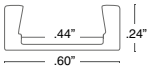
The SLIM LED extrusion is Q-Tran's smallest extrusion, making it a perfect fit for surface mount applications that require light to be low-profile. With a diffused lens, SLIM will provide near diode-free results at full power.

Our wet-rated LEDs can be applied to SLIM without a lens, while dry and damp LEDs fit (up to 5.0-watt/foot) with a lens.

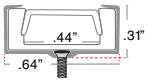
Finish

SATIN | BLACK | BRONZE

Dimensions



Profile

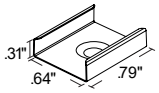


Profile with stainless steel mounting clip

Mounting

2 clips provided for 4' or less; 4 clips provided for greater than 4'

SST



Stainless steel clip

Black clip standard with black extrusion

Part Number Builder

Product	Finish	Mounting	Lens	Type	Finished Fixture Length (in)
SLIM	ST BK BZ	SST	CL DF	S1 S2 — Single (Input Only) P1 P2 — Pass through (Input/Output) NI — Not installed (Strip not installed in factory)	1" increments from 1" - 98.43" Tolerance +0.0"/-0.5"

- Field modifications must comply with Q-Tran's installation methods otherwise warranty is null & void
- Suitable for installation in the storage area of a clothes closet when assembled as a fixture at Q-Tran facility (Not applicable for encapsulation or LED strips exceeding 4W/ft)
- UL Listed when assembled with STRIP LEDs at Q-Tran
- Wet rated tape only compatible with no lens
- Surface mount

c UL us LISTED | NEC 410.2 and 410.16 | RoHS COMPLIANT

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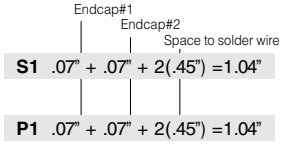
SLIM ALUMINUM EXTRUSION

Compatible Strips

	STATIC WHITE (SW)	STATIC WHITE INDIVIDUALLY ADDRESSABLE (SW-IA)	STATIC WHITE STOCKING DISTRIBUTOR (SD-SW)	STATIC WHITE HIGH EFFICACY (SW-HE)	STATIC WHITE HIGH EFFICACY PLUS (SW-HE+)	DYNAMIC WHITE (DW)	DYNAMIC WHITE HIGH EFFICACY (DW-HE)	STATIC COLOR (SC)	WARM DIM (WD)	RGB	RGBW	RGBW HIGH EFFICACY (RGBW-HE)
	1.5W/ft 3.0W/ft 4.0W/ft 5.0W/ft 6.0W/ft	5.0W/ft	2.0W/ft 4.0W/ft 6.0W/ft	1.5W/ft 3.0W/ft 6.0W/ft 9.0W/ft	3.0W/ft 6.0W/ft	6.0W/ft	3.0W/ft 5.0W/ft 8.0W/ft	5.0W/ft	6.0W/ft	6.0W/ft	6.0W/ft	4.0W/ft 8.0W/ft
DRY	✓ Not compatible with 6.0	✓	✓		✓	✓	✓ Not compatible with 8.0	✓	✓	✓		✓ Not compatible with 8.0
DMP	✓ Not compatible with 6.0					✓	✓ Not compatible with 8.0	✓		✓		✓ Not compatible with 8.0
ENC												
WET	✓ No lens Not compatible with 6.0		✓ Not compatible with 6.0					✓ No lens				

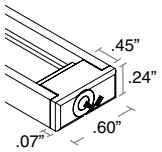
Length (in) Add to nominal LED length for fixture length



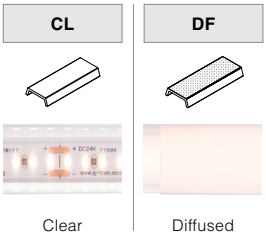


End Caps

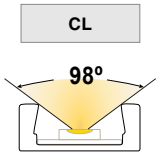




Lens with LED visibility

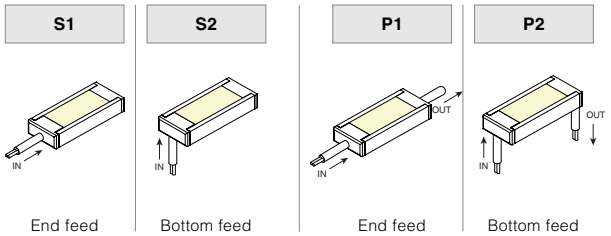


Cut Off



Type

SINGLE (Input only) PASS THROUGH (Input/Output)



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SLIM ALUMINUM EXTRUSION

Finish

SATIN



Satin anodized
Matte finish
Metallic end caps

BLACK



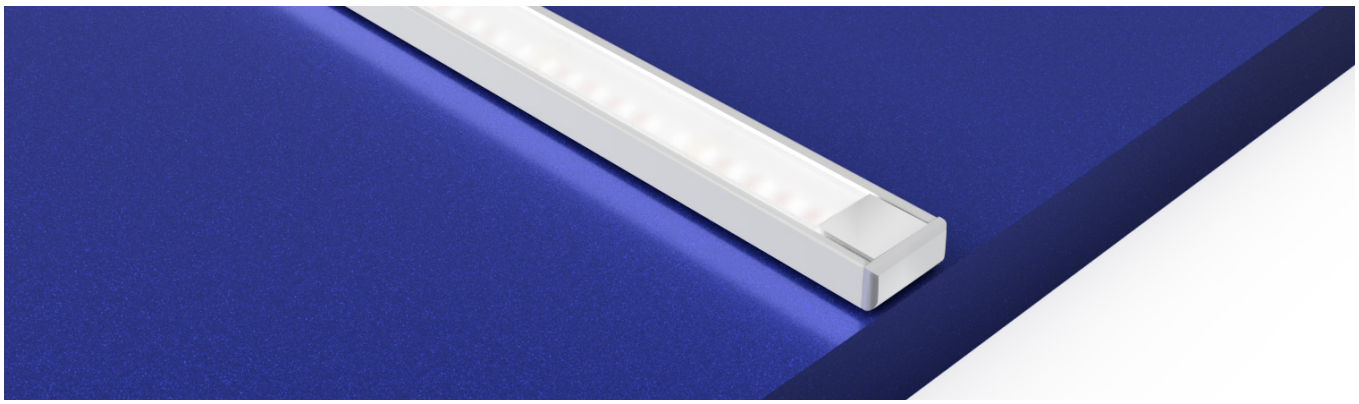
Black anodized
Matte finish
Black end caps

BRONZE



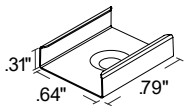
Bronze anodized
Matte finish
Bronze end caps

Mounting Type - Surface



Mounting - Hardware

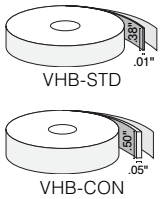
Stainless Steel Clip (SST-06)



2 clips provided for 4' or less;
4 clips provided for greater than 4'

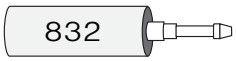
- Stainless Steel
- Indoor/Outdoor
- #4 x 5/8" Flat Head SS (1 per clip included)

VHB-STD & VHB-CON (see Accessory cutsheet)



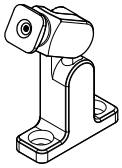
- Double sided strong adhesive tape
- VHB-STD is for Indoor use
- VHB-CON bonds to concrete

832 (see Accessory cutsheet)



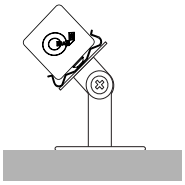
- Strong adhesive
- Not submersible, for dry and wet locations only

Q-ANGLE (see Accessory cutsheet)



- Adjustable mounting bracket
- Indoor/Outdoor

PIVOT BRACKET (see Accessory cutsheet)



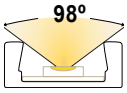
- Adjustable mounting bracket
- Indoor/Outdoor

Lens

CL Clear **DF** Diffused



Cut Off



Clear 98º

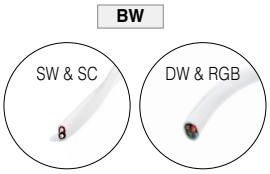
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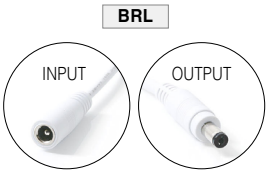
SLIM ALUMINUM EXTRUSION

Connectors/Wire

STATIC WHITE AND STATIC COLOR ONLY



BARE WIRE 24"

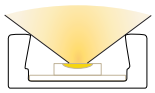


DRY BARREL 6"



WET BARREL 6"

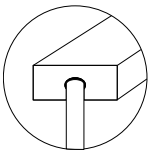
Light Orientation



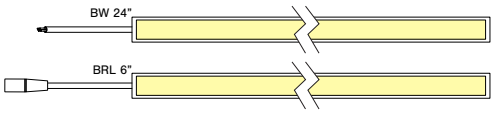
SYMMETRICAL

TYPE

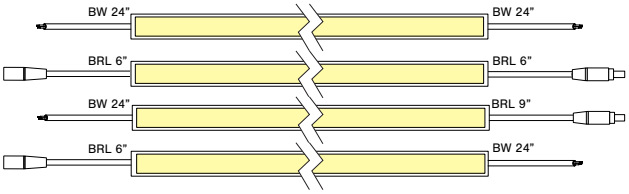
To order a bare extrusion without a strip installed in Q-Tran factory, choose **NI** (Not Installed) for your Type option

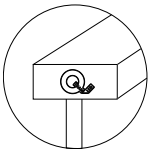


S1 - Input only

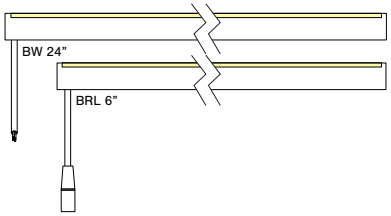


P1 - Input/Output

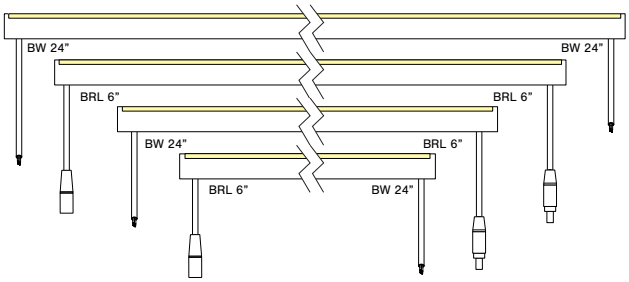




S2 - Input only



P2 - Input/Output

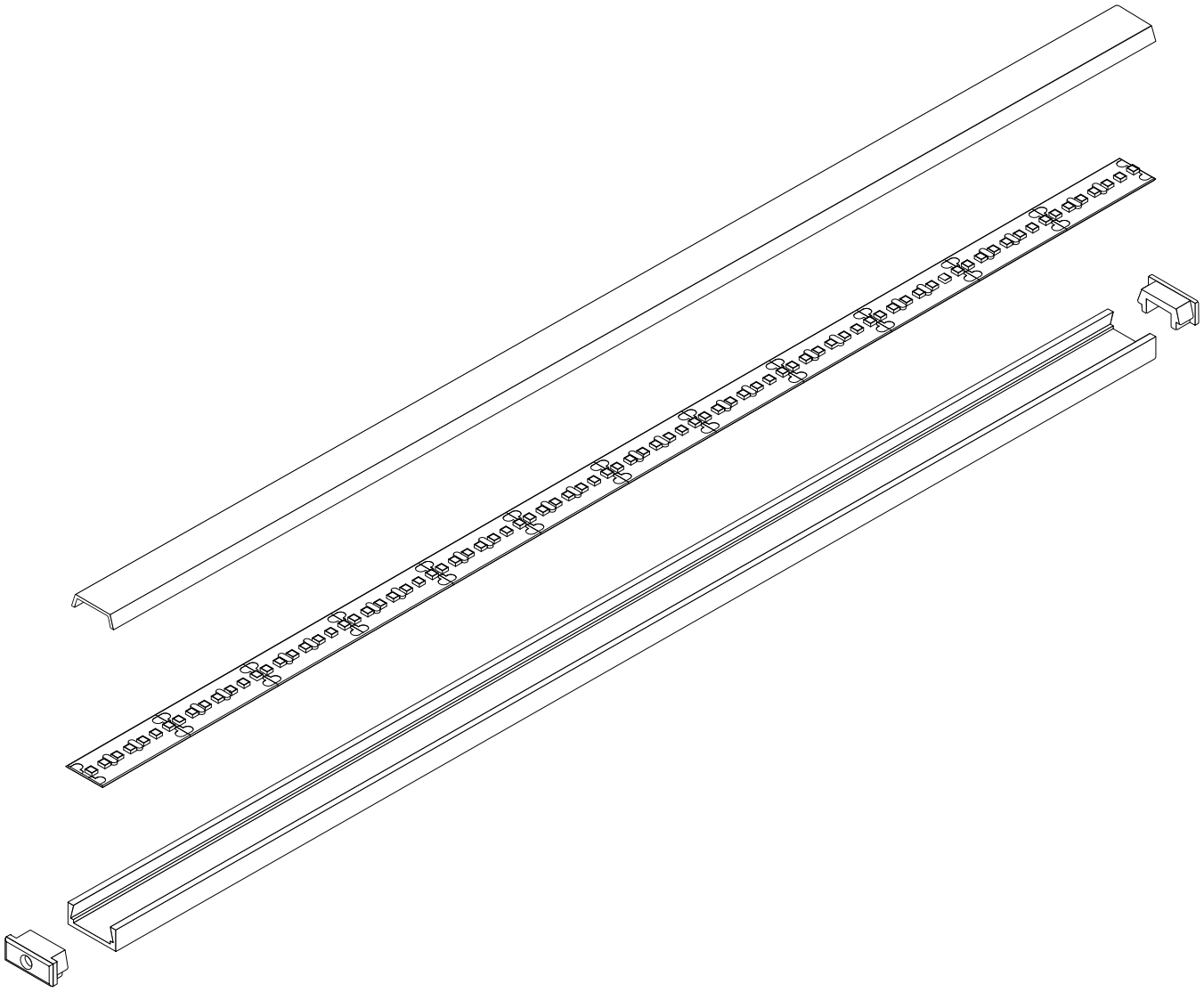


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INSTALLATION INSTRUCTIONS

EXTRUSION - SLIM

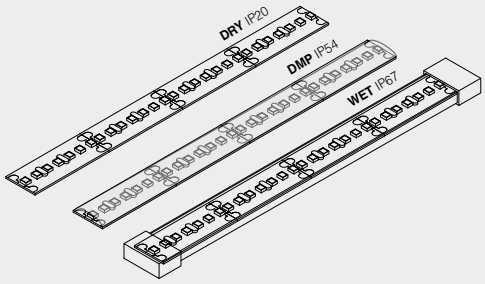


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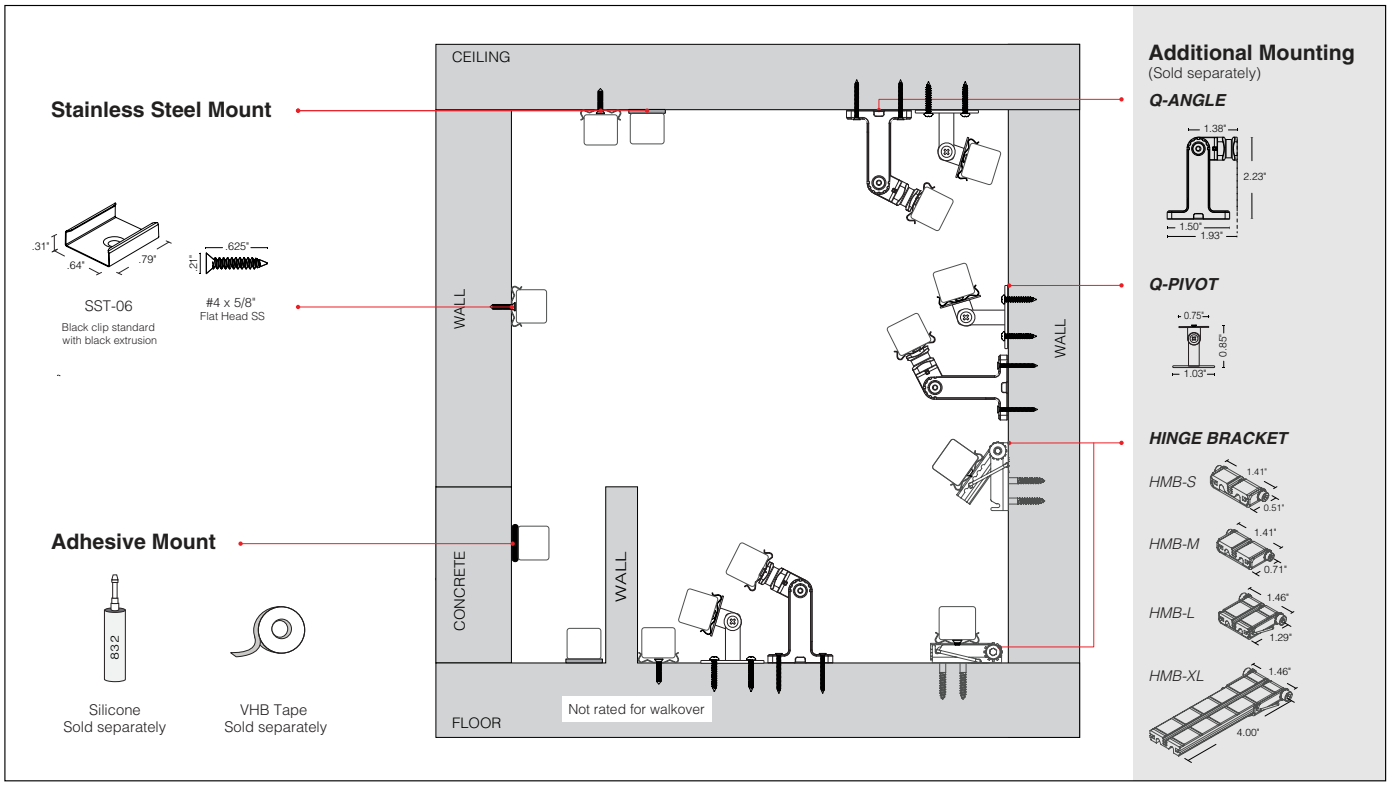
INSTALLATION INSTRUCTIONS
EXTRUSION - SLIM

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 Q-Tran power supply instructions for wiring
- Use only with Class 2 power supply unit — Compatible for use with Q-Tran power supplies
- Surface mount
- Suitable for DRY, DAMP, and WET rated without lens
- Suitable for installation in storage area of a clothes closet when assembled as a finished extrusion up to 4W/ft at Q-Tran facility
- Not rated for walkover
- Input Voltage: 24VDC
- Diagrams for representation only and not to scale.

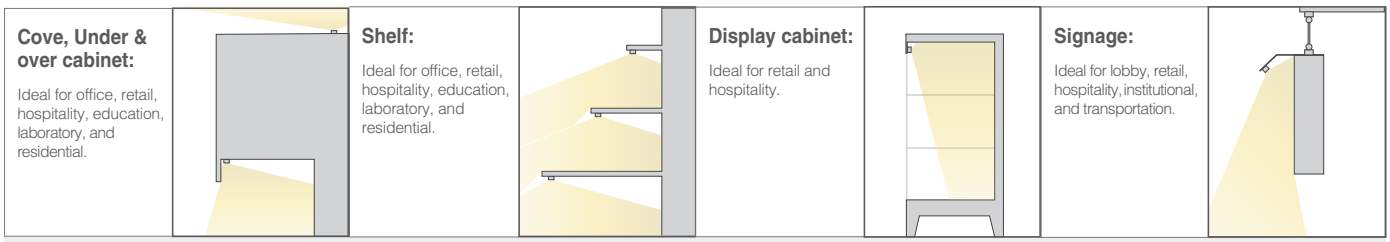


METHODS OF INSTALLATION:



SURFACE MOUNTING METHOD

- VHB Mount (page 9-10)
- Silicone Mount (page 11)
- Screw Mount (page 12)



Cove, Under & over cabinet:
Ideal for office, retail, hospitality, education, laboratory, and residential.

Shelf:
Ideal for office, retail, hospitality, education, laboratory, and residential.

Display cabinet:
Ideal for retail and hospitality.

Signage:
Ideal for lobby, retail, hospitality, institutional, and transportation.

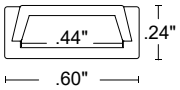
NOTES:

- *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.*

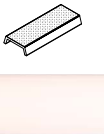


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EXTRUSION - SLIM

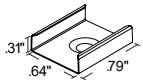


SLIM-PROFILE

CL	DF
	
Clear	Diffused

COMPONENTS & HARDWARE

STAINLESS STEEL CLIP



SST-06
Black clip standard with black extrusion

Included	
	Flat Head Screw #4x5/8"

ACCESSORIES SOLD SEPARATELY

HINGE BRACKET; sold individually

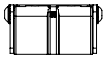
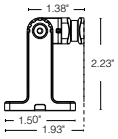


Image shows HMB-M

HMB-S
HMB-M
HMB-L
HMB-XL

Included
• 3/4" long mount screw
• 1/4" #4 clip mount screw

Q-ANGLE; sold in pairs



Q-ANGLE

Included
• 4 SS #6x1.25" Flat head wood screws
• 2 SS 4-40 Flat head clip screws
• 2 SS 6-32 Fillister screws

Q-PIVOT; sold in pairs

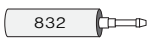


Q-PIVOT

Included
• SS #4-40x3/16 Flat head screws
• 2 #4x3/4 Pan Head screws

ADHESIVE SOLD SEPARATELY

SILICONE



DOWSIL 832

VHB TAPE; sold in 15' increments

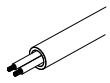


TAPE-VHB-IP20

CONNECTOR/WIRE - IN/OUT;

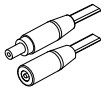
Bare wire can be trimmed to length as needed.

BARE WIRE 24"



BW

BARREL 6"



BRL

CONNECTOR 6"



CON6

CONNECTOR 24"



CON24

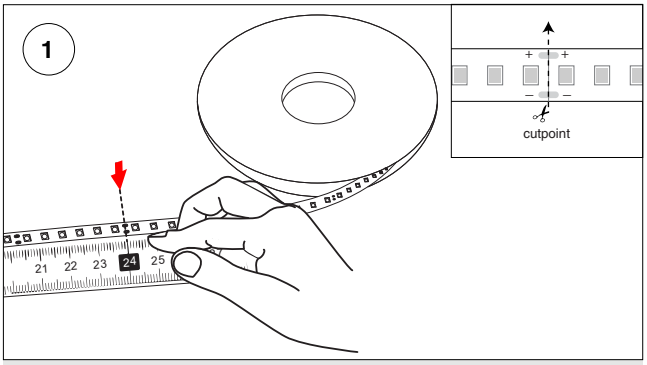
NOTES:
STAINLESS STEEL CLIP
• 2 clips provided for 4' or less; 4 clips provided for greater than 4'

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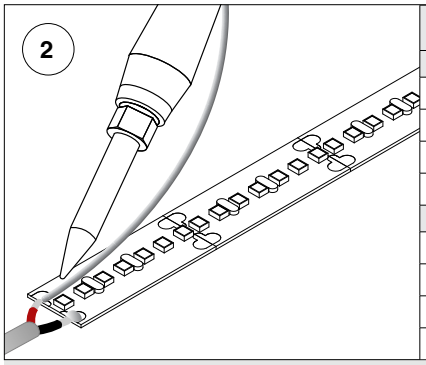
EXTRUSION - SLIM

LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: **DRY IP20**

If LED wires are pre-soldered from the factory, skip to page 7.



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

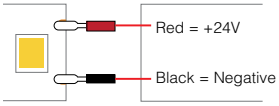


ITEMS INCLUDED
iQ-LED-24-KIT
(1) 24" Lead wire
(1) 6" Solder
(1) 1" Shrink Tube
(1) 1/2" Shrink Tube
iQ-JUMP-6-KIT
(1) 6" Lead wire
(1) 6" Solder
(2) 1" Shrink Tube
(2) 1/2" Shrink Tube

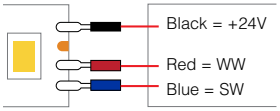
Solder lead wire onto solder pad. Confirm wires are matched up correctly before soldering. See wiring diagrams below for specific light engine details.

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

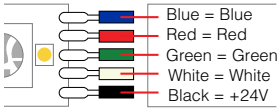
SW, SC, SD-SW, SW-HE, SW-HE+



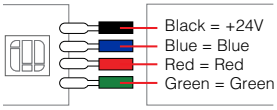
DW



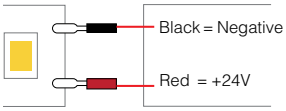
RGBW



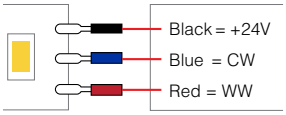
RGB



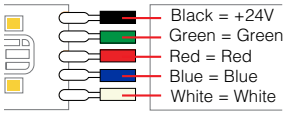
WD



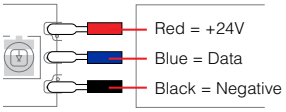
DW-HE



RGBW-HE



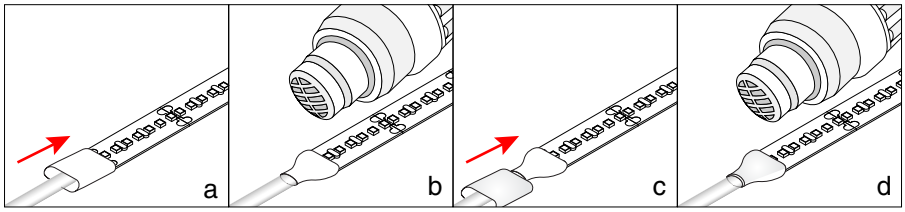
SW-IA



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:

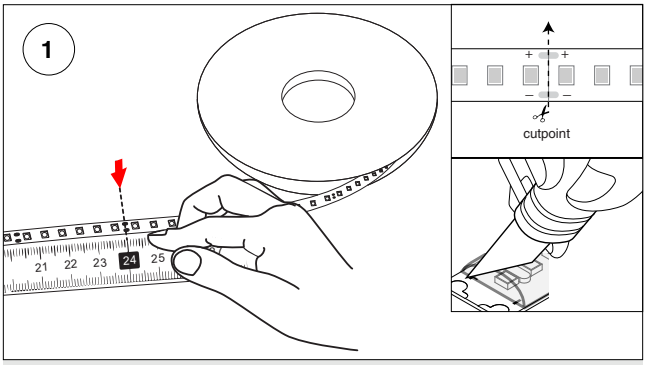
- *Avoid bending in sharp angles which may damage the LED.*
- *Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.*
- *Diagrams for representation only and not to scale.*

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EXTRUSION - SLIM

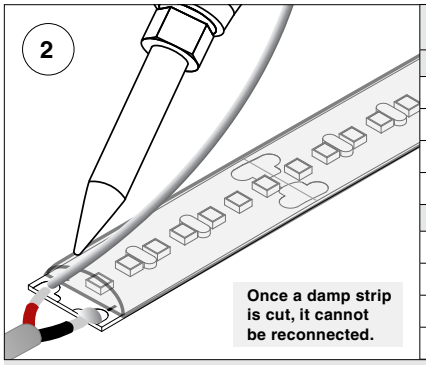
LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: **DMP IP54**

If LED wires are pre-soldered from the factory, skip to page 7.



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

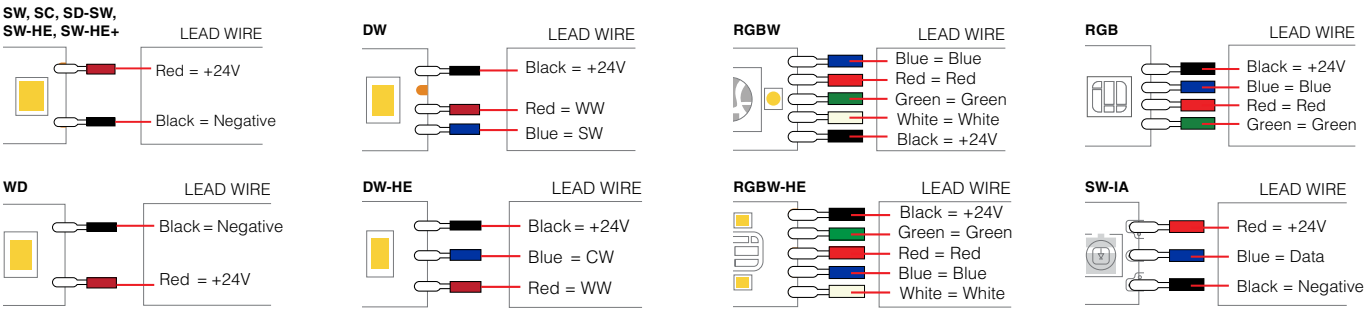
- Carefully peel polyurethane back to expose the solder pads.



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 postive (+) and negative (-) are matched up correctly before soldering. BLACK wire is typically negative, RED wire is typically postive.

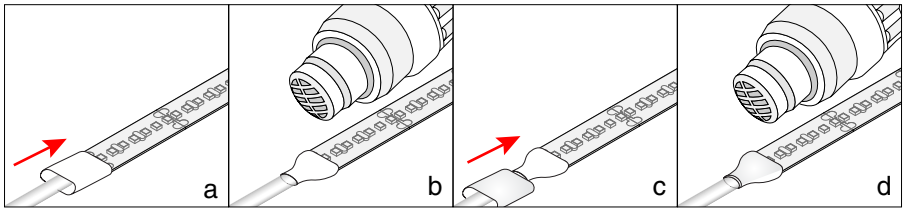
NOTE: *Recommended soldering iron temperature of 650˚ – 700˚F for lead-free solder.*



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.

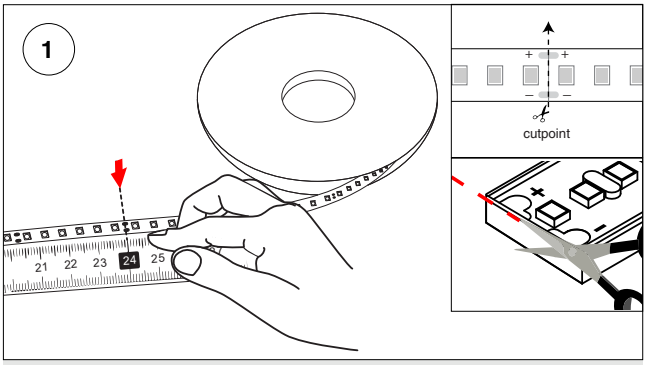
NOTES:

- *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.*

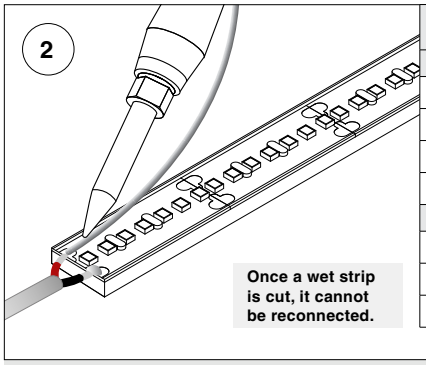
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LED STRIP LEAD WIRE & JUMPER INSTRUCTIONS: **WET IP67**

If LED wires are pre-soldered from the factory, skip to page 7.



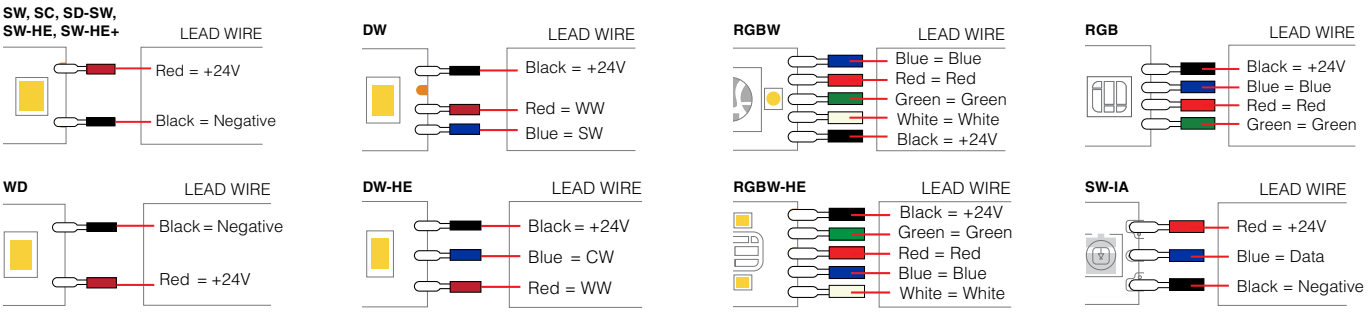
Measure and cut LED strip to desired length with scissors along the cut point.

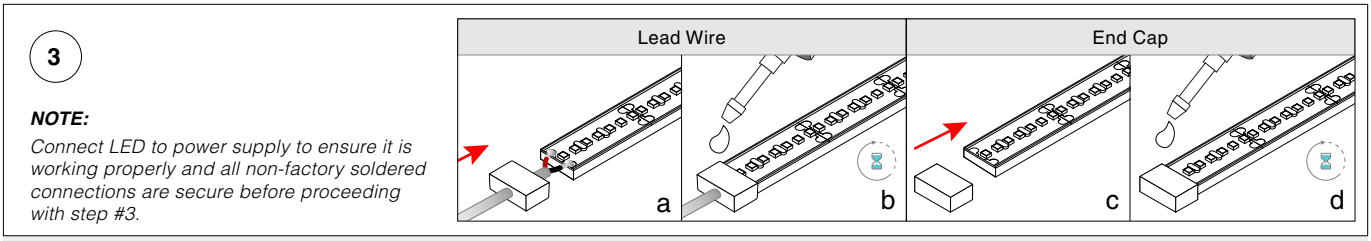


ITEMS INCLUDED
iQ-LED-67-KIT
(1) 24" Lead wire
(1) 6" Solder
(1) Lead wire cap
(1) End Cap
iQ-JUMP-67-KIT
(1) 6" Lead wire
(1) 6" Solder
(2) Lead wire Caps

Solder lead wire onto solder pad. Confirm postive (+) and negative (-) are matched up correctly before soldering. BLACK wire is typically negative, RED wire is typically postive.

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





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 lead wire cap over wire

b: Add silicone inside connector and glue around the edge to secure gap; allow time for glue to dry.

c: Place end cap over the end of LED

d: Add silicone inside connector and glue around the edge to secure gap; allow time for glue to dry.

NOTES:

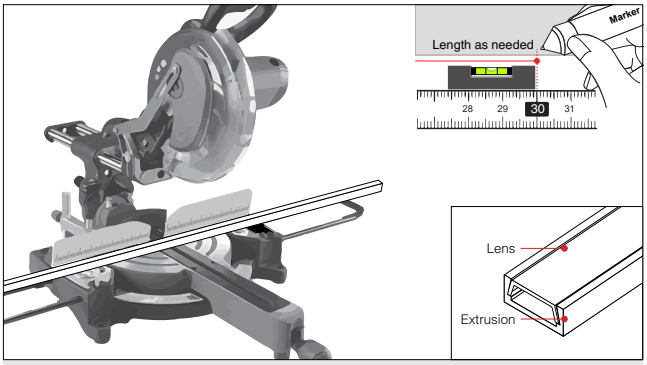
- *Avoid bending in sharp angles which may damage the LED.*
- *Always test LED operation before installing in extrusion. Connect LED to power supply to ensure it is working properly and all non-factory soldered connections are secure.*
- *Diagrams for representation only and not to scale.*

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EXTRUSION - SLIM

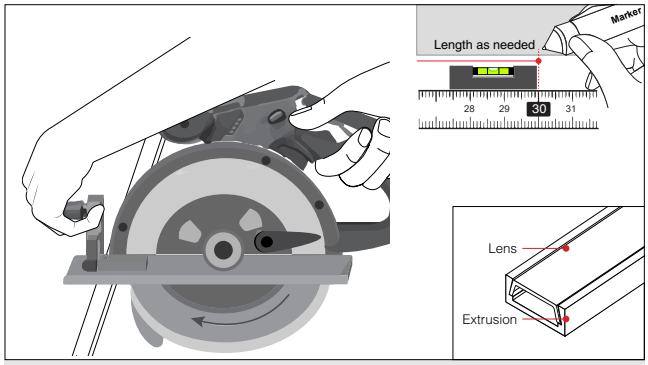
CUTTING EXTRUSIONS FOR IN-FIELD ASSEMBLY INSTALLATION

Q-Tran 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.

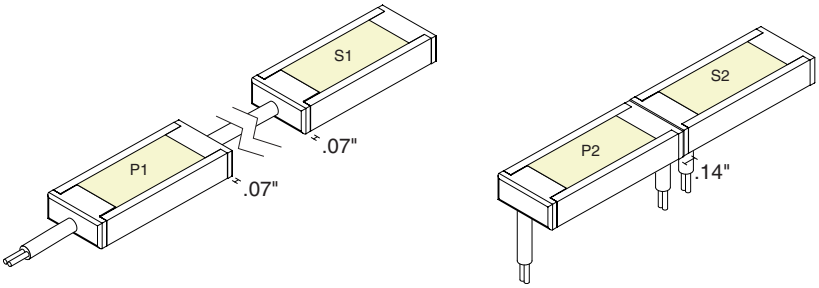
OR



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.*

CONTINUOUS WIRING CONFIGURATION OPTIONS



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

NOTE: *Additional wire methods include:*
S1 & S2: Connector/Wire Input only
P1 & P2: Connector/Wire Input and Output

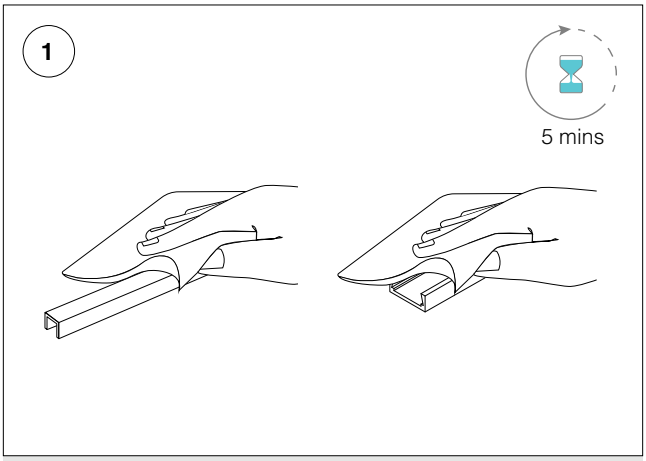
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EXTRUSION - SLIM

LED INSERTION FOR IN-FIELD ASSEMBLY INSTALLATION

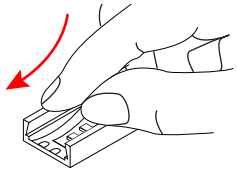
STRIP IN EXTRUSION

1



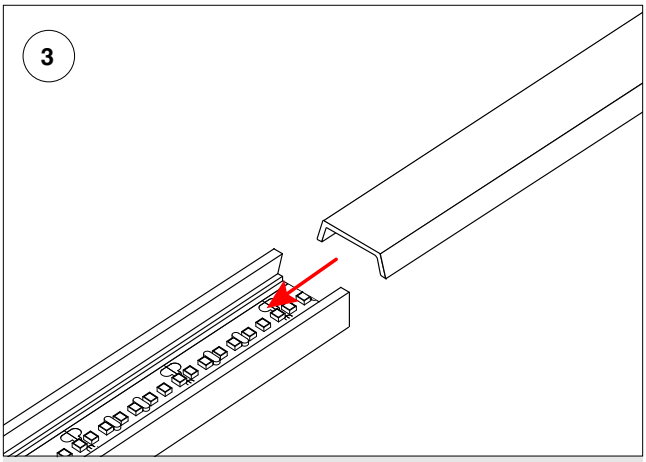
Using a 50/50 alcohol mix, thoroughly clean surface area of the extrusion and tray. Allow 5 minutes to dry.

2



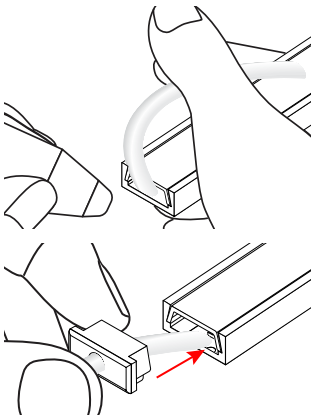
Peel back 0.5" of the VHB tape's protective film on one end of LED and use firm pressure to adhere it to the extrusion, avoiding air bubbles. Continue peeling the film and adhering the strip in small sections until the entire length is installed.

3



Flat Lenses: Starting from one end of the extrusion, slide the lens into the grooved lip of the extrusion until secured in place.

4



Add glue inside the end cap and glue around edges to secure end cap in place. Do not allow glue to come in contact with LED.

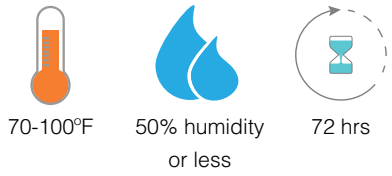
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EXTRUSION - SLIM

SURFACE MOUNTING METHOD

SURFACE PREPARATION

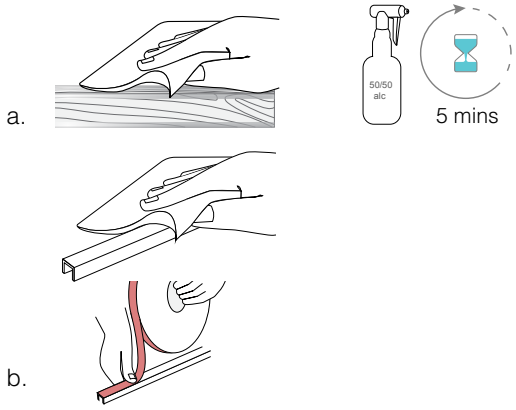
1



Temperature and environmental concerns:

- Ideal application environment is 70-100ºF in 50% humidity or less.
- Minimum application temperature: 50ºF
- This temperature and humidity should be maintained for 72 hours after application for maximum bond strength.

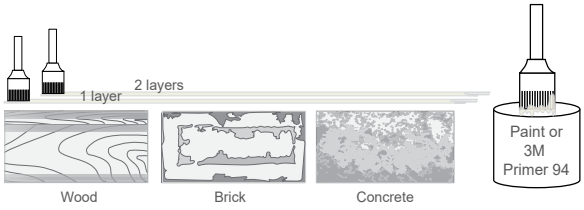
2



a. Using a 50/50 alcohol mix, thoroughly clean the backside of the extrusion and the surface area where extrusion will be installed. Allow 5 minutes to dry.

b. Peel back 0.5" of the VHB tape's protective film on one end and use firm pressure to adhere it to the desired surface, avoiding air bubbles. Continue peeling the film and adhering the tape in small sections until the entire length is installed.

3



For porous materials (Wood, Brick, Concrete etc.) apply two layers of paint or primer to the surface. This will help create a better bonding surface for these materials. These can be purchased from a local hardware store.

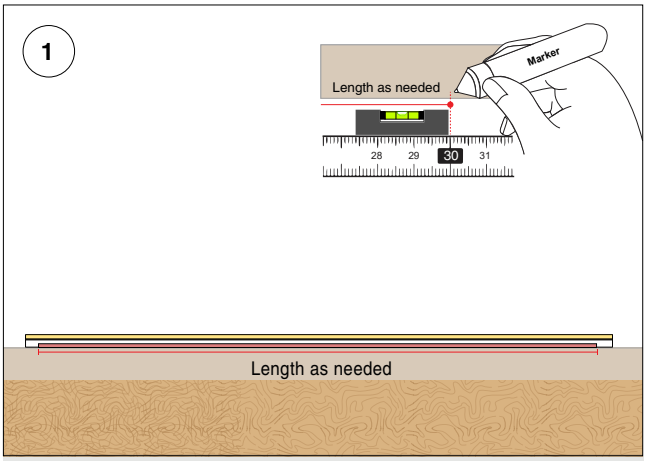
MATERIALS	SUGGESTED EPOXIES
Concrete, Stone, Cinderblock, Metal, and Brick	Loctite Metal and Concrete Two-Part Epoxy
ABS, Fiberglass, Plastic, and PVC	Loctite Plastic Two-Part Epoxy
Tile, Wood, Ceramic, Glass, or Metal	Loctite Clear Two-Part Epoxy
All Purpose	Strong Stik

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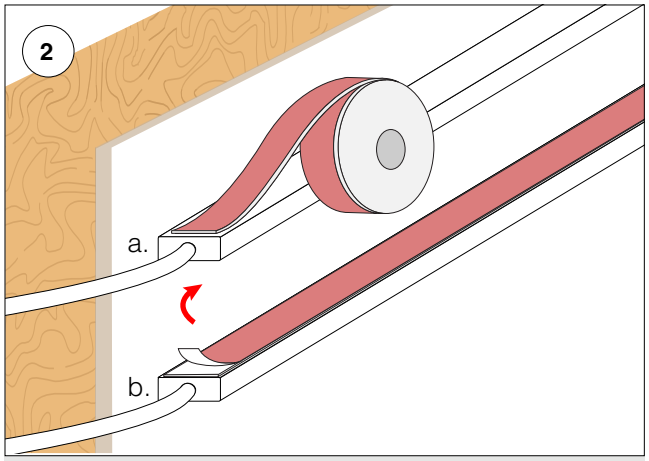
EXTRUSION - SLIM

SURFACE MOUNTING METHOD: **VHB ADHESIVE MOUNT**

BEFORE installation, the surface must be thoroughly cleaned and dried for maximum bond strength. (Page 9)

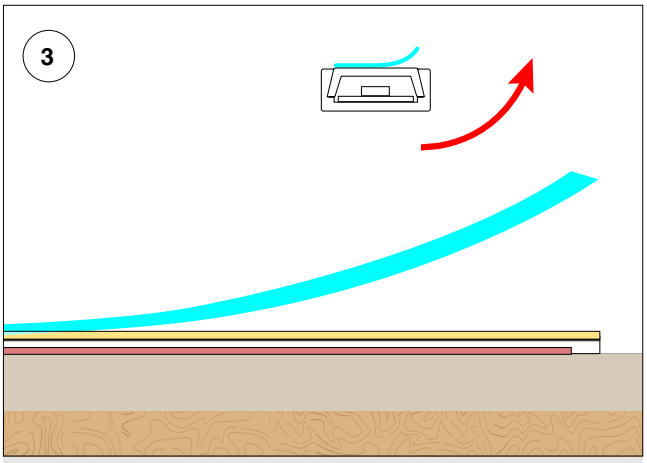


Determine the SLIM extrusion(s) location and positioning on desired surface before adhering extrusion to surface. Make any necessary reference markings to indicate extrusion placement.



a. To adhere the VHB adhesive, peel the white film back while evenly applying the tape to the mounting side of the extrusion. The red side should be visible.

b. Remove the red film and position extrusion in place according to your previous reference marking(s).



Remove protective film from the surface of the extrusion's lens.

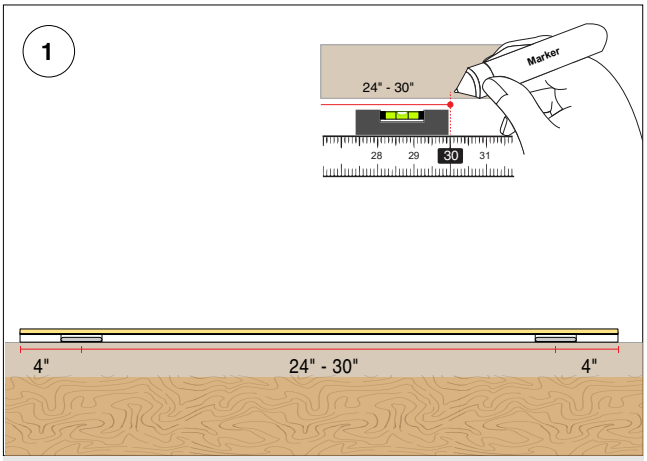
NOTES: *EPOXY ALTERNATIVE: For improved bonding strength, apply a small amount of epoxy at each end. Refer to table on* page 9 *for suggested epoxies. These can be purchased at a local hardware store. Please follow all manufacturer instructions for suggested epoxy.*

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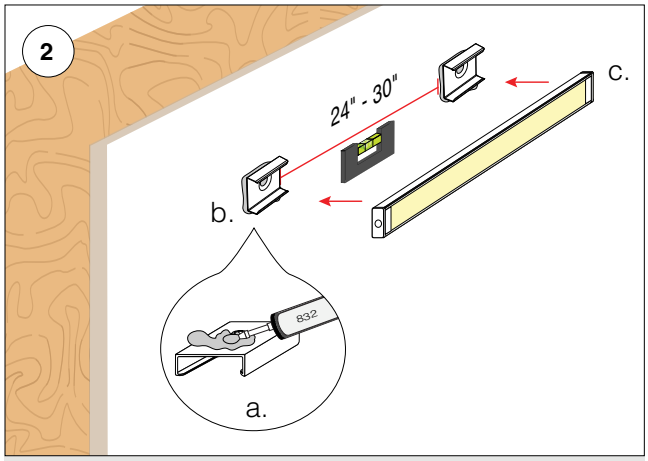
EXTRUSION - SLIM

SURFACE MOUNTING METHOD: **SILICONE**

- 2 clips provided for 4' or less; 4 clips provided for greater than 4'

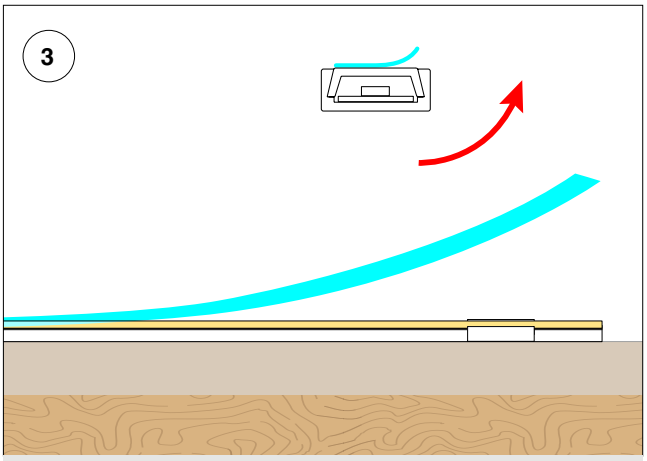


Determine the SLIM extrusion(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24" - 30".



a. Firmly press the silicone-coated clips on the marked reference points.
b. Wait for silicone adhesive to cure completely before snapping extrusion into place.
c. Slide the lens into the grooved lip of the extrusion until secured in place.

NOTE: *Cure time is dependent on the type of silicone adhesive used. Refer to silicone product manufacturer for accurate drying time.*



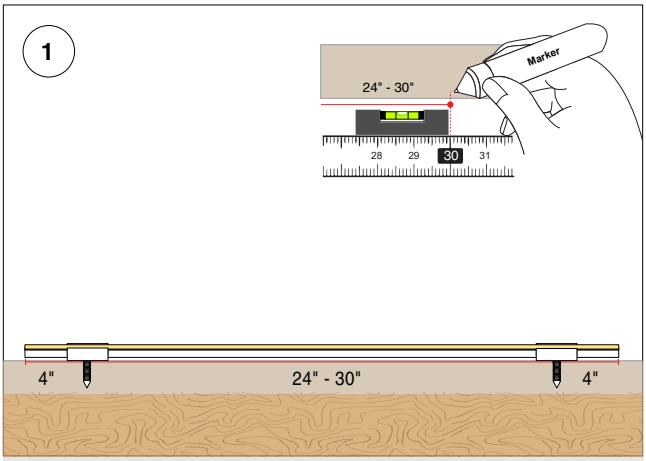
Remove protective film from the surface of the extrusion's lens.

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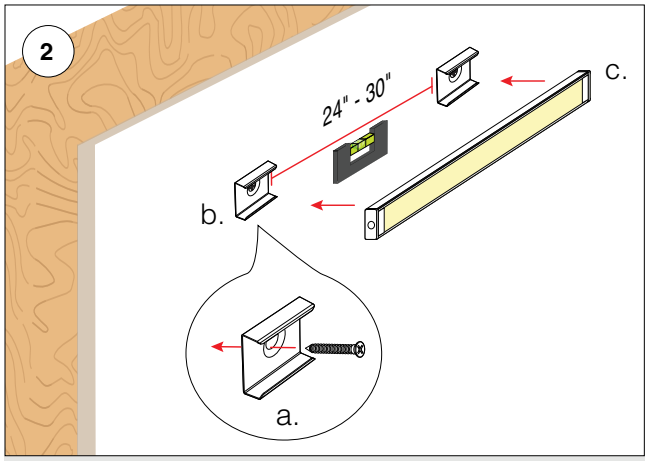
EXTRUSION - SLIM

SURFACE MOUNTING METHOD: **SCREW MOUNT**

- 2 clips provided for 4’ or less; 4 clips provided for greater than 4’

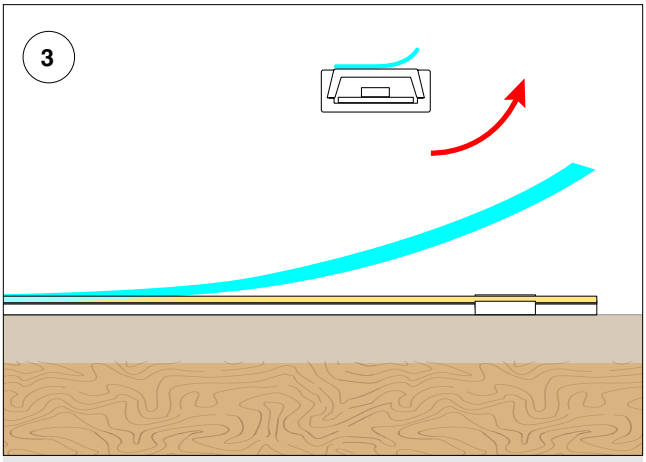


Determine the SLIM extrusion(s) location and positioning on desired surface; evenly distribute clips. Make any necessary reference markings to indicate where each clip is to be secured in place. Recommended every 24” - 30”.



a. Secure clips using the #4 flat head hardware provided.
b. Ensure the screw head is flush with the clip’s base.
c. Slide the lens into the grooved lip of the extrusion until secured in place.

NOTE: *Flat head screw type is dependent on surface/application material. Alternative flat head screws may be required. Refer to the surface material manufacturer for suggested screw type.*



Remove protective film from the surface of the extrusion’s lens.

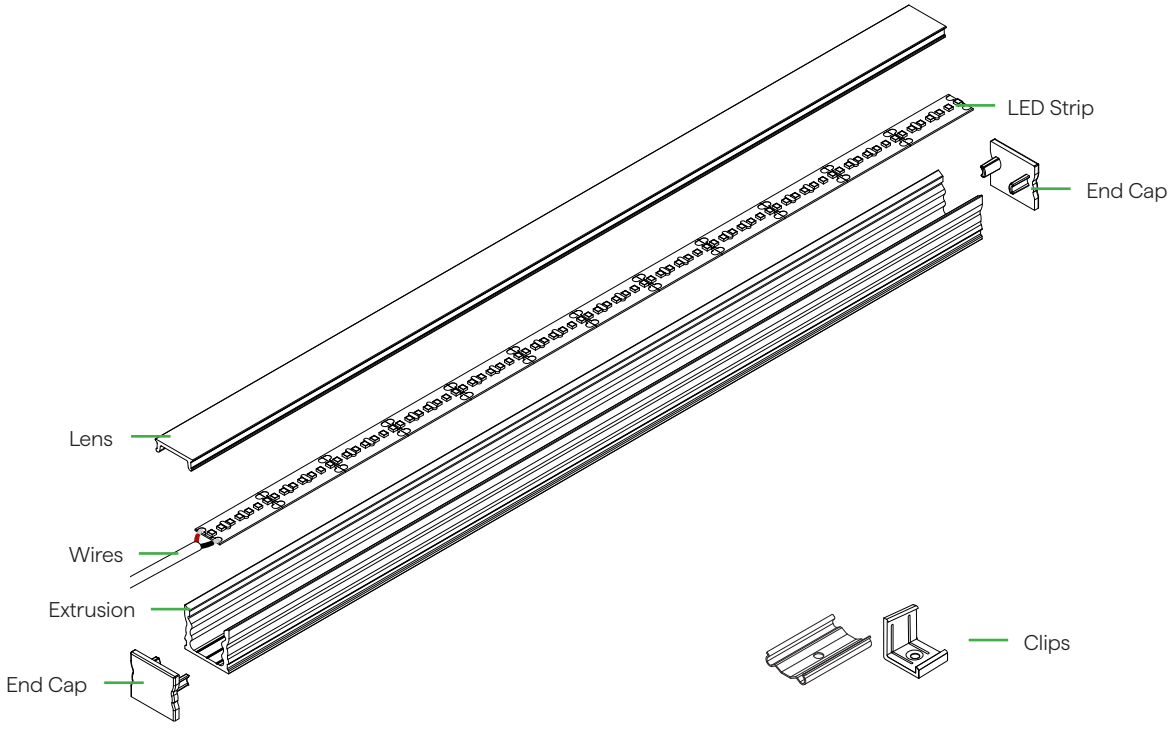
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MATERIAL RECYCLING

LINEAR FIXTURES/EXTRUSIONS

You may be done with your products, but chances are they still have more to give. Follow these instructions to break down and sort recyclable components. Check with local recycling collection to ensure they accept the materials listed below.

Additionally, Q-Tran offers a Takeback Program. Contact factory for information.



7	E	41	40
Lens Plastic End Caps Plastic Clips	LED Strip Wires	Extrusion Metal End Caps	Stainless Steel Clips

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