

Architectural LED Linear Fixture



Features:

2' - 4' - 8' Linear Fixture lengths

Black and White finishes

Suspended/Surface/Wall mounting available

PS Frosted lens standard (additional options available)

Indirect/Direct switch with selectable distribution Integrated plug-in connectors for sleek designs

Dimensions: Selectable CCT:

2.75" W x 3.15" H 3500K/4000K/5000K/5700K/6500K

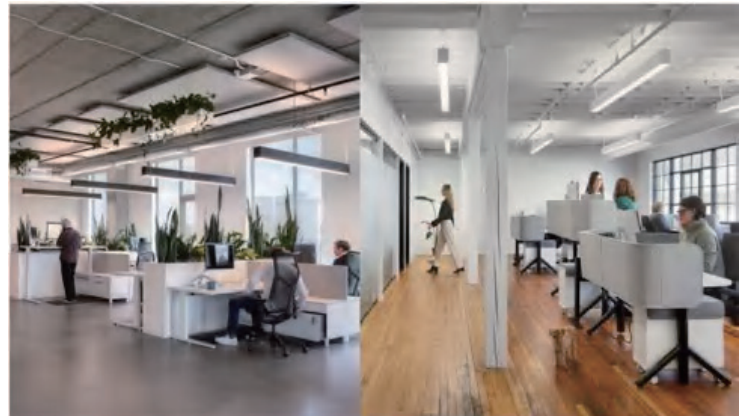
Fixture linking:

Max. linkable quantity

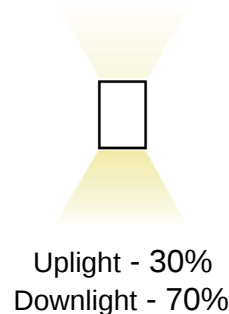
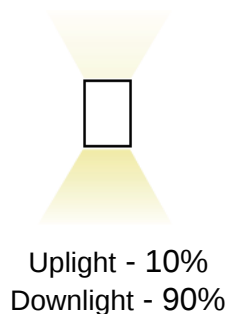
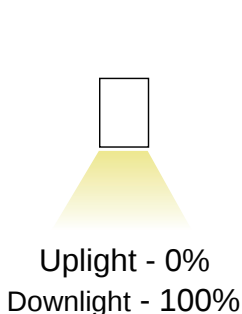
Down Linear	2FT	4FT	8FT
AC120V	18	9	5
AC277V	40	20	10

Up / Down Linear	2FT	4FT	8FT
AC120V	12	8	4
AC277V	28	17	8

Linear can be gapless as long as needed using multiple power cables.



Selectable Distribution:



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ORDERING GUIDE

Example: SZ-ALF50W-4FT-ACP (02)

Company Code 	Fixture Type 	Wattage 	Size 	ACP 	optional
SZ Company Name	ALF Architectural LED Linear Fixture	40W Max 50W Max 100W Max	2FT 2' 4FT 4' 8FT 8'	ACP Adjustable CCT and Power 40W: 15/20/25/30/40W 3500K/4000K/5000K/5700K/6500K 50W: 25/30/35/40/50W 3500K/4000K/5000K/5700K/6500K 100W: 50/60/70/80/100W 3500K/4000K/5000K/5700K/6500K	Blank Without Sensor MS Motion sensor (Option) EM with Emergency Driver (Option)

Specifications

Housing

One-piece extruded aluminum with PS Lens.

Mounting

Pendant Mount, Recessed Mount for Drywall Ceiling, wall mount, & surface mount.

Electrical

Standard 120V - 277V

0-10V dimming standard with a dimming range of 100% to 10%. PF > 0.9. THD <20%.

CCT and CRI

Field selectable: 3500K, 4000K, and 5000K, 5700K, 6500K. CRI 80.

Operating Temperature

Suitable for use in -20° C to 45° C (-4° F to 113° F).

Efficacy

115 lumens per watt.

Lifespan

L70 >50,000 Hours at 25°C (77°F).

Certifications

UL Listed. DLC5.1

Warranty

5-year limited warranty.

Options

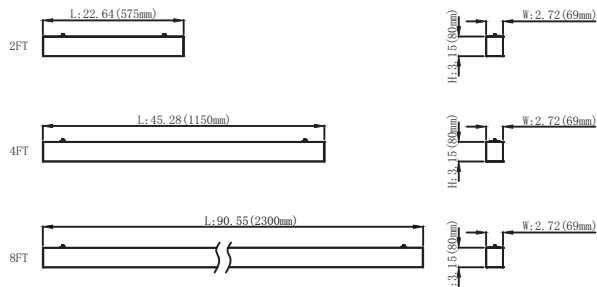


Standard: Integrated down lighting



Standard: Integrated up/down lighting

Product Dimension



Catalog Number	Size
2FT	575x70x80(mm)/22.63"x2.75"x3.15"
4FT	1150x70x80(mm)/45.28"x2.75"x3.15"
8FT	2300x70x80(mm)/90.55"x2.75"x3.15"

Finish Options



White



Black

Housing Material: Aluminum

Optics: PS Lens

Finish: White, Black

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Safety Instructions

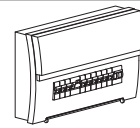
To ensure correct function and safety, please read and follow all instructions carefully before using the product:

1. Turn off power before installation or before doing any maintenance work.
2. Do not install any luminaire near the heat source.
3. Do not exceed the nominal supply voltage or amperage ratings.
4. Dimmable version could be compatible with a wide range of recommended 0-10V dimmers.
5. All wiring and installation of the light fitting must adhere to local and national wiring rules.
6. Take care not to pull any electrical wires during unpacking as this may damage the connection.
7. Lay out all the components on a smooth surface and make sure there are no components missing before assembling.
8. To avoid injury or damage to the fitting, please ensure that power leads and screws are secure before connecting the power.
9. Please keep instructions for future reference.

Installation Procedure

WARNING

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.



Turn Off Power Supply



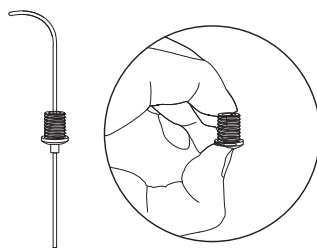
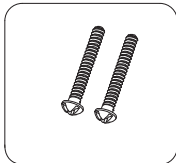
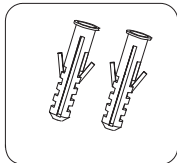
Turn Off power supply before starting any installation, Read instructions & check you have all the tools & accessories to complete the installation correctly.

Color Temperature & Light Distribution Field Adjustable Controls

1. Light Direction is selectable from Down only, both Down & Up lights.
2. Up 0%+Down 100%, Up 10%+Down 90%, Up 30%+Down 70%, , three lighting distribution ways switchable.
3. Control CCT of down or up light individually. Switch from 3500K, 4000K, 5000K, 5700K & 6500K or other customize color temperature range.
4. Unique end cap simplifies installation, seamless continuous runs or individuals.

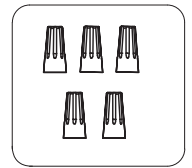
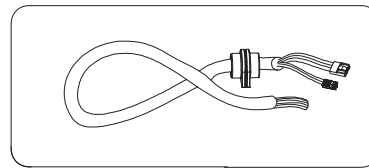
Pendant Mount

Accessories List



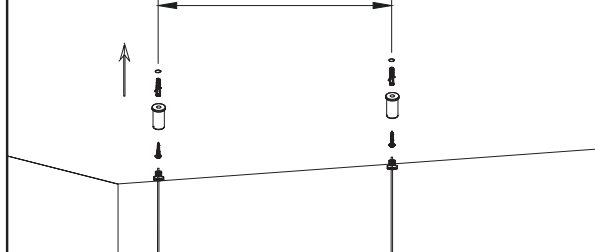
Press to adjust the length of the suspension wire

Driver's wires package(optional)

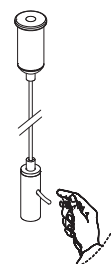


1. Fixing the hook and suspending the lamp.

2FT: 17.32" (440mm)
4FT: 41.34" (1050mm)
8FT: 89.37" (2270mm)

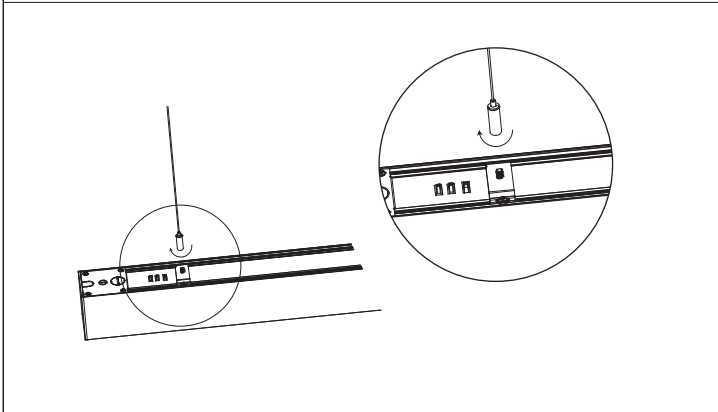


2. Adjusting the hanging rope length.

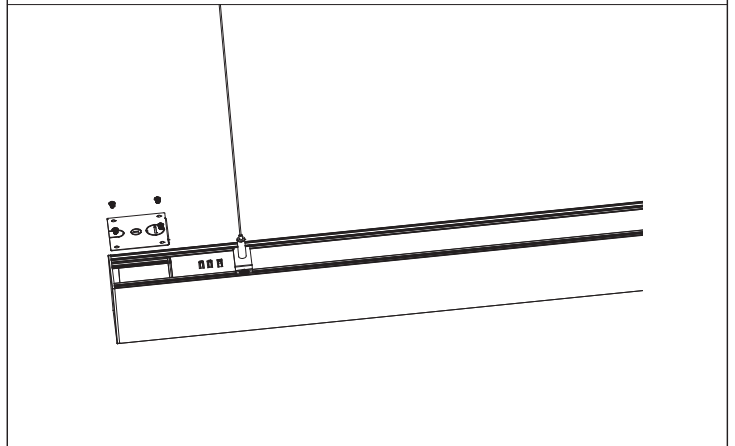


Architectural LED Linear Fixture

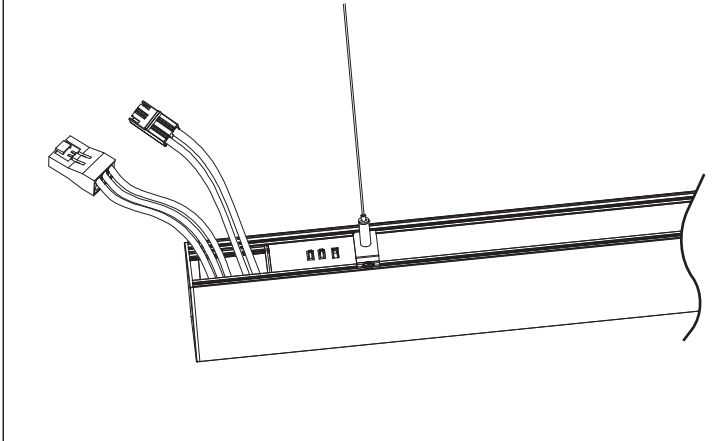
3. Use M5 square screw and M5 fixed head to fix LED strip light.



4. Open the end of the lamp to be connected.



5. Take out wire.



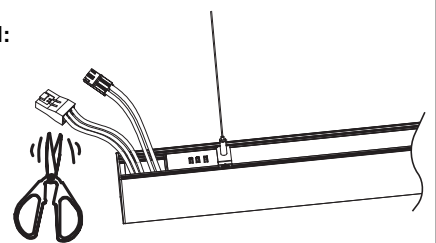
6. Cut off the corresponding terminals as required.

Three-position terminal:

BLACK (LINE)
WHITE (NEUTRAL)
GREEN (GRD)

Two terminal:

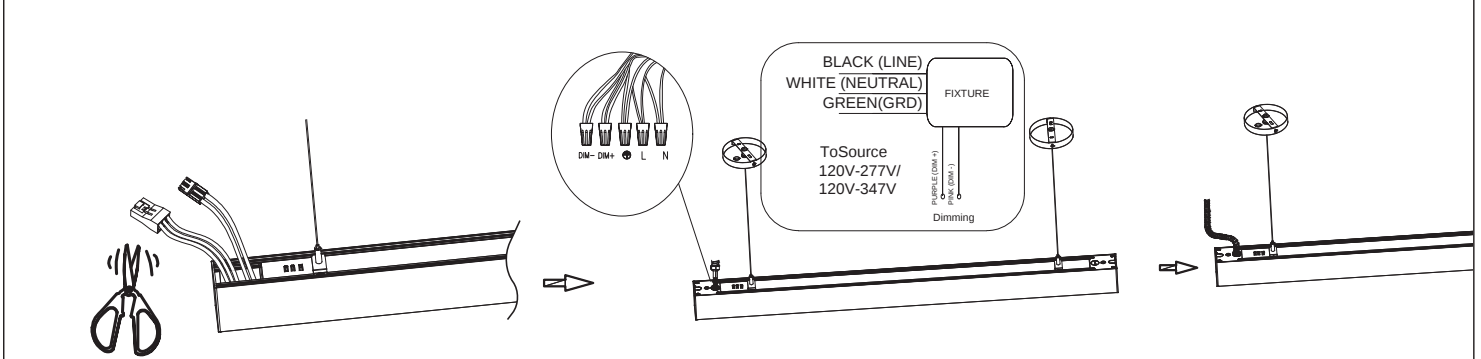
PURPLE (DIM +)
PINK (DIM -)



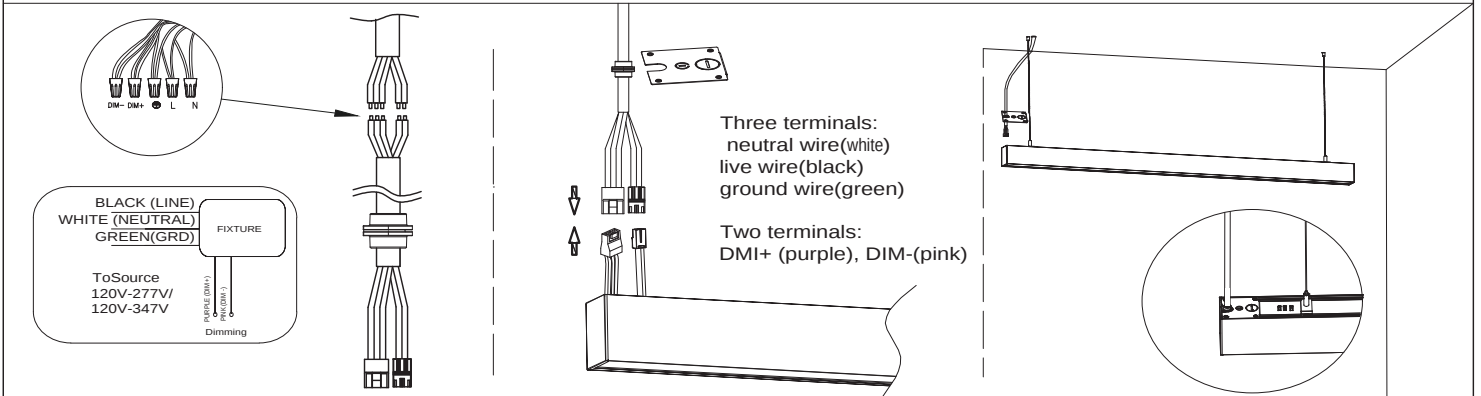
1. After cutting off the connecting terminals, the lighting fixture will no longer be able to link with other fixtures through terminals.
2. After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring.

7. Turn off the power and wiring by using wire nut.

1. Insert the terminal block and wires into the lamp housing.
2. The installation is completed and energize the luminaire to verify operation.



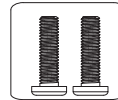
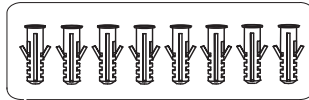
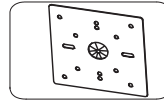
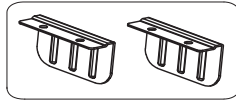
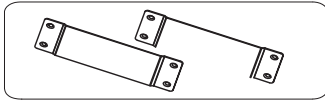
Input wire group (optional)



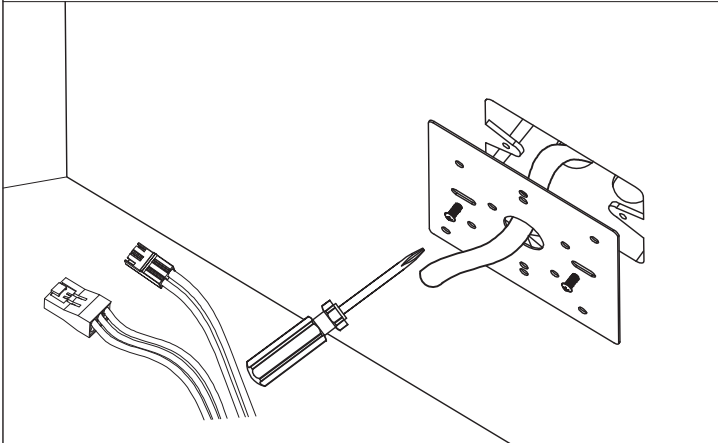
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Wall Mount

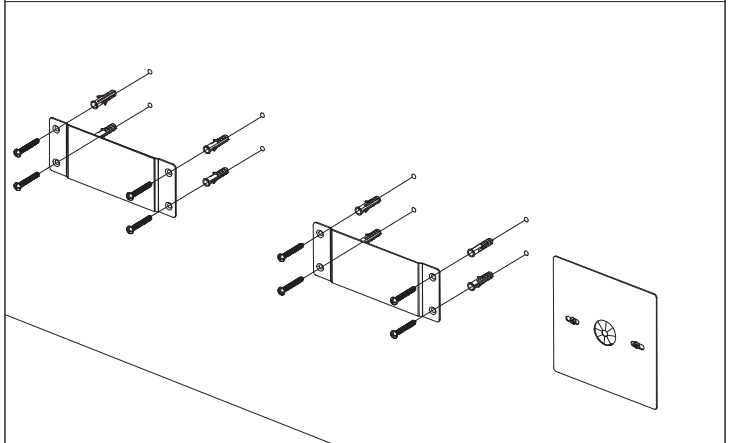
Accessories List



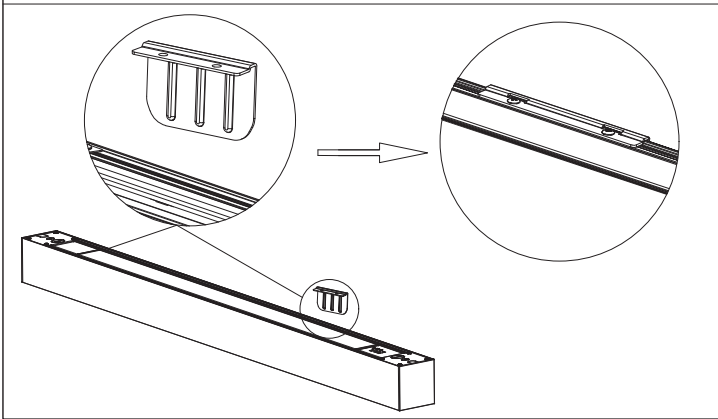
1. Pull out the wire and lock the trim.



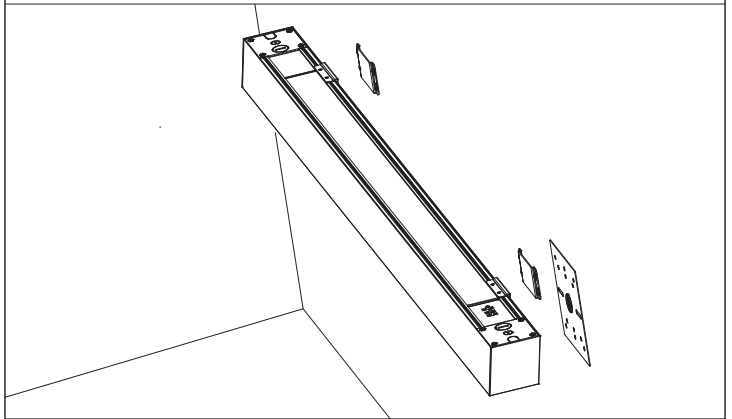
2. Set the appropriate distance and install mounting plate A.



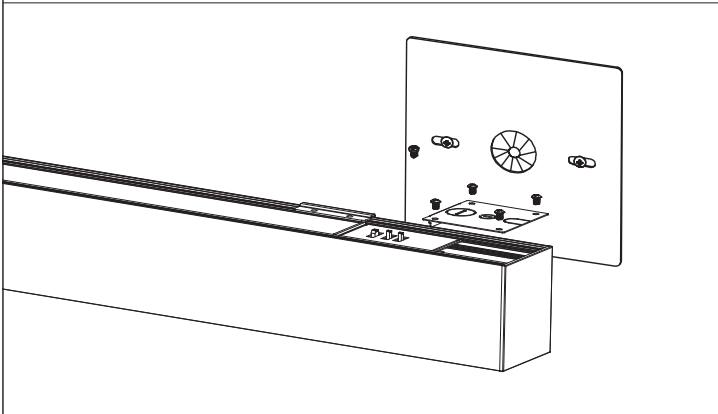
3. Install mounting board B on the lamp body according to the position of mounting board A.



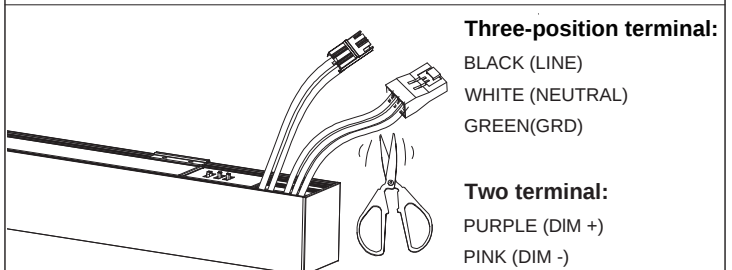
4. Insert mounting plate B on the light fixture into mounting plate A on the wall.



5. Remove one end screw of the lamp to pry open the wire hole.



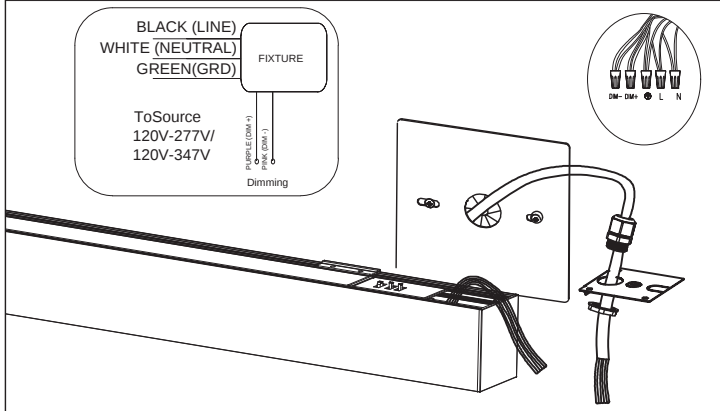
6. Cut off one end of the terminal as required for wiring.



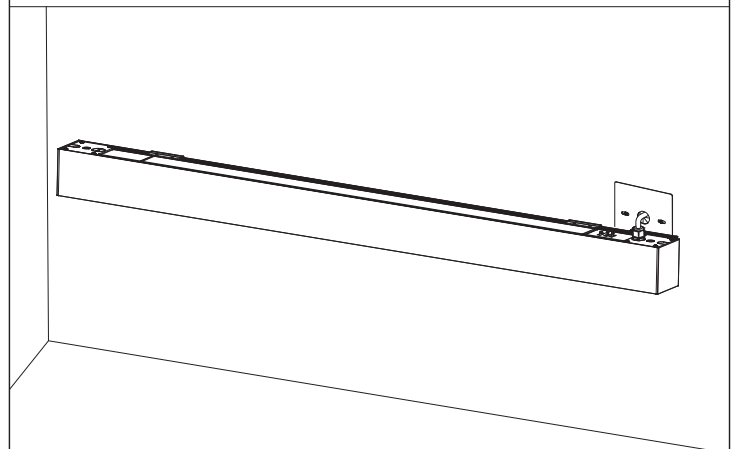
1. After cutting off the connecting terminals, the lighting fixture will no longer be able to link with other fixtures through terminals.
2. After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring.

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7. Make wiring according to wiring diagram, screw back the cover.

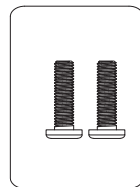
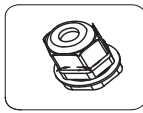
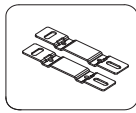
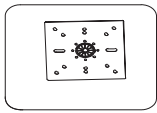


8. Open the end of the lamp to be connected.

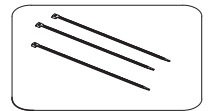
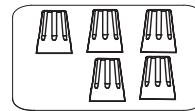


Surface Mount

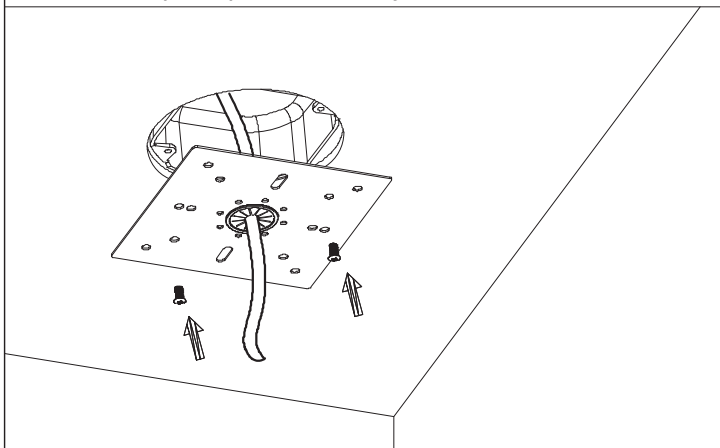
Accessories List



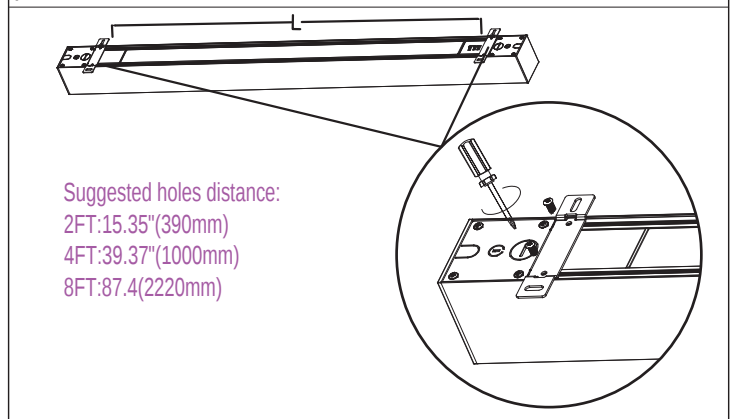
Driver's wires package(optional)



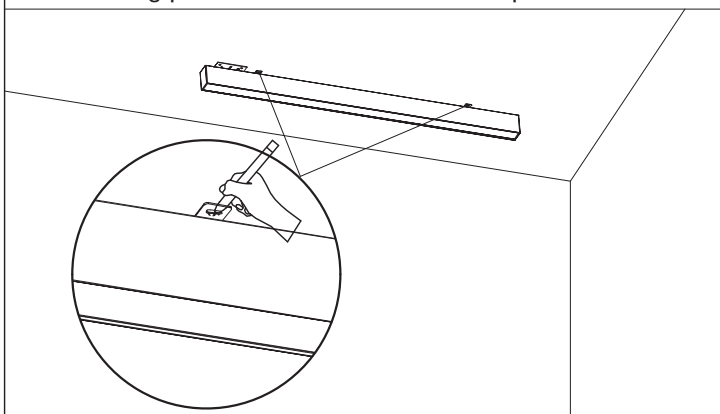
1. Attached square plate onto the junction-box with screws.



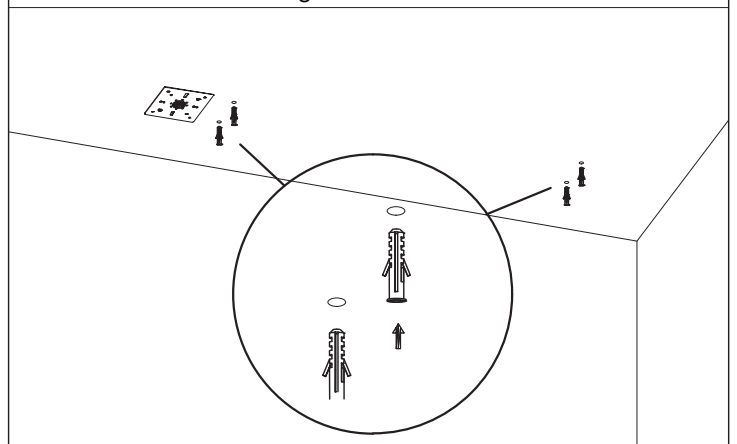
2. Fix the 2 surface-mounted brackets to fixtureback with provided short screws.



3. Put and press the fixture onto mounting surface then mark the mounting positions from brackets for step 4.



4. Drill the holes according to the marks and insert the anchors.



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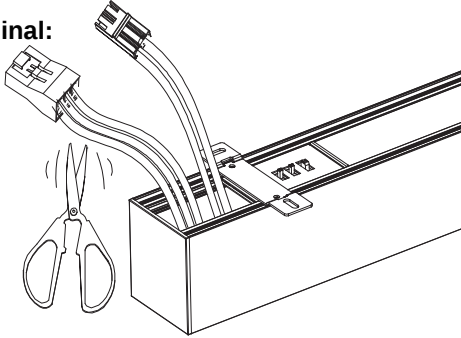
5. Cut off the corresponding terminals as required

Three-position terminal:

BLACK (LINE)
WHITE (NEUTRAL)
GREEN (GRD)

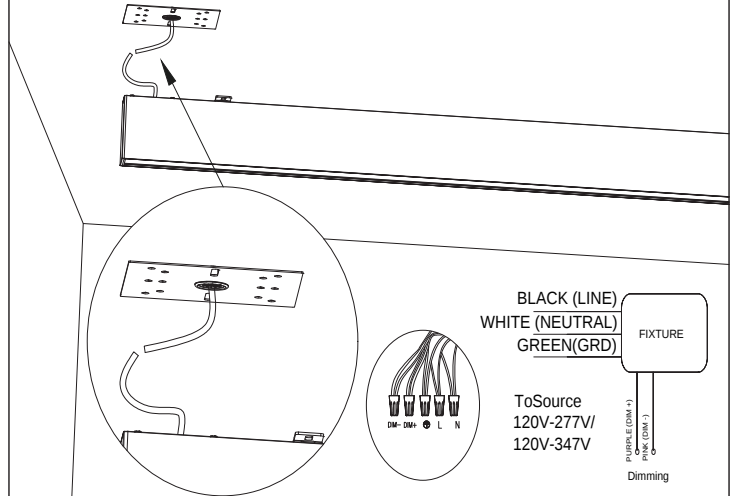
Two terminal:

PURPLE (DIM +)
PINK (DIM -)

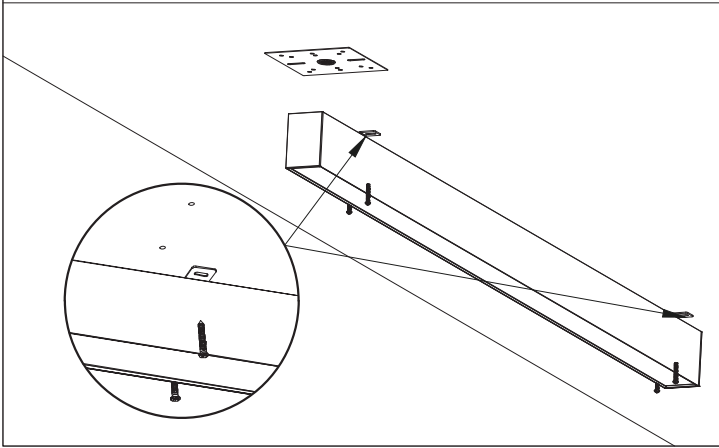


1. After cutting off the connecting terminals, the lighting fixture will no longer be able to link with other fixtures through terminals.
2. After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring.

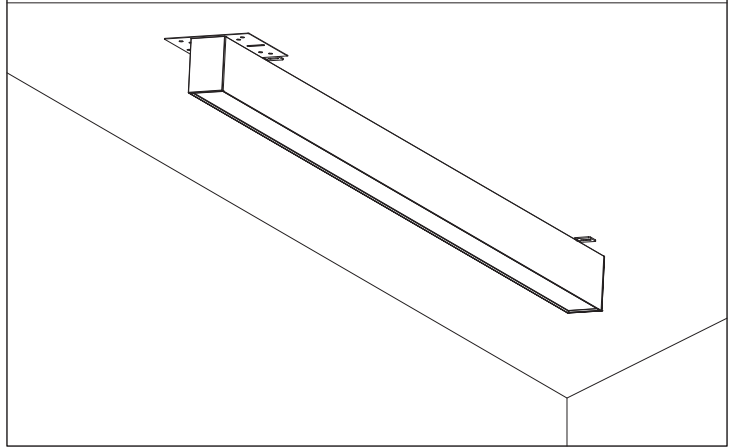
6. Open the end of the lamp to be connected.



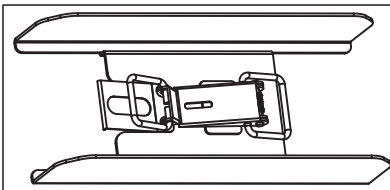
7. Secure the fixture to the mounting surface with long screws.



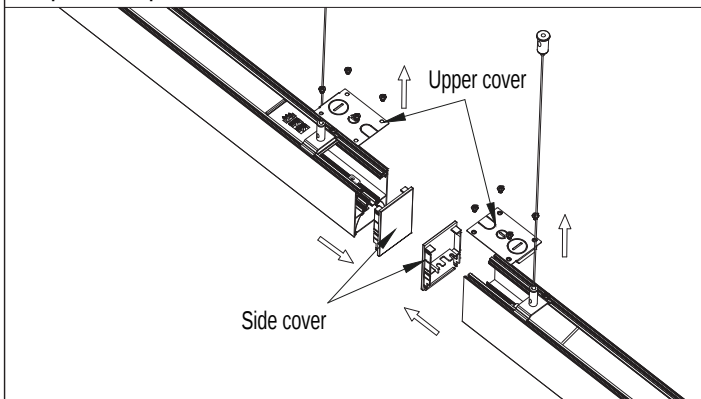
8. Installation completed.



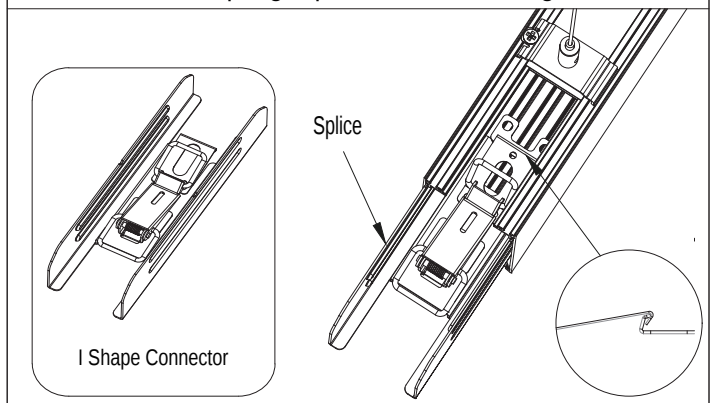
Linkable Connection Instructions



1. Remove the side cover and upper cover of both ends of the lamp to be spliced.

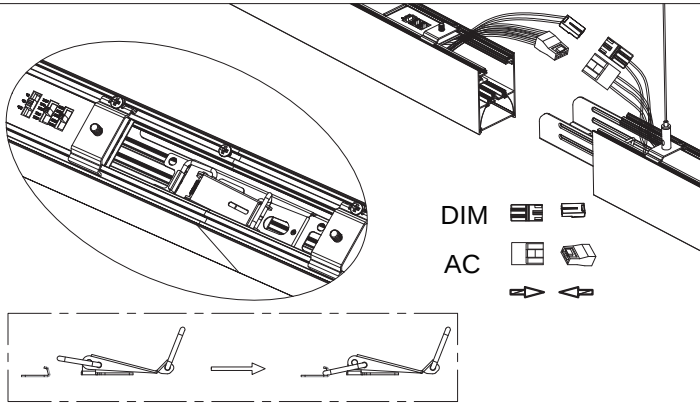


2. Insert the splicing component into the lamp and tighten the hook with the spring clip, as shown in the figure.

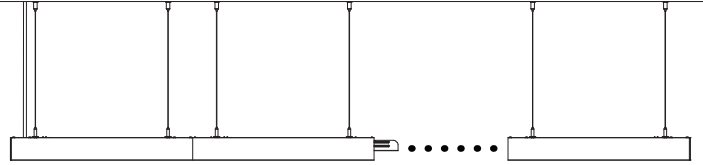


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3. Connect the plug terminals and fasten the spring buckle tightly to the other hook buckle, as shown in the figure.



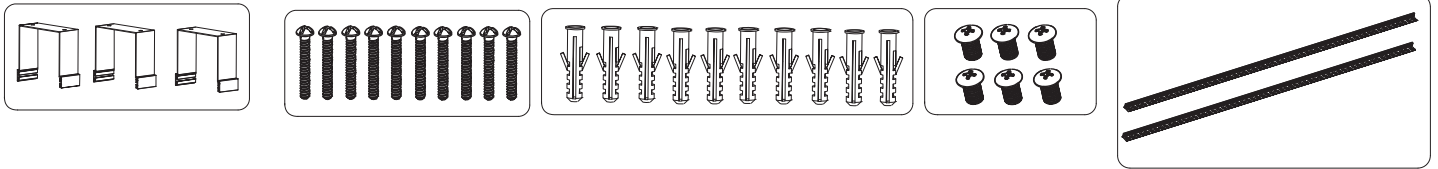
4. After assembling the required number of lamps, connect the input wires according to the lifting and wiring method, and complete the installation.



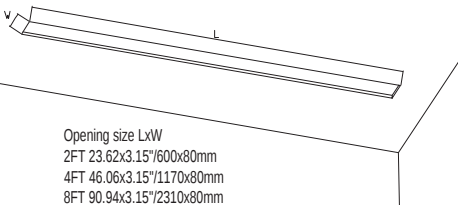
AC120-277V Splicing Qty(Max):
 2FT-40W:15PCS
 4FT-50W:12PCS
 8FT-100W:6PCS

Recessed Mounting for Mud Drywall Ceiling

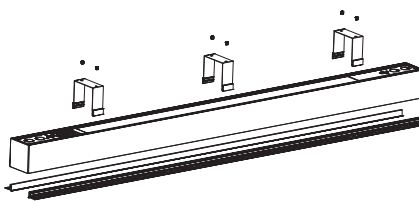
Accessories List



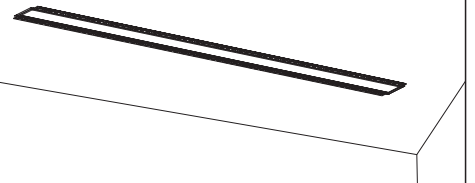
1. Reserve installation holes in the ceiling.



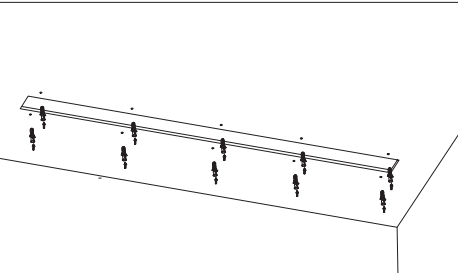
2. Fix the pre-buried lace on the light body.



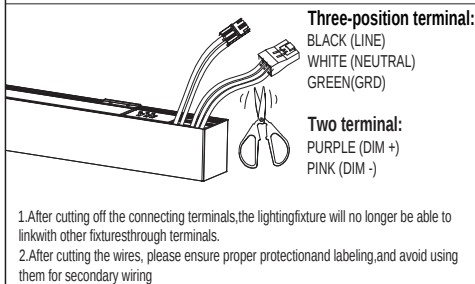
3. Put and press the fixture onto mounting surface, then mark the mounting positions from brackets, for step 4.



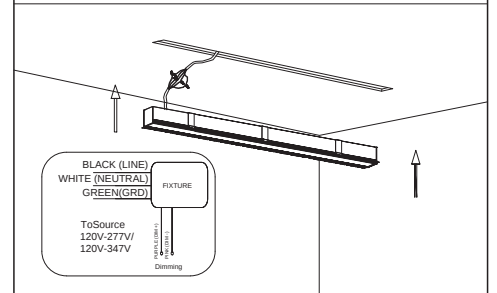
4. Drill the holes according to the marks and insert the anchors.



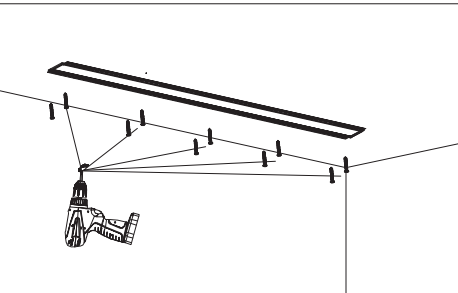
5. Cut off one end of the terminal as required for wiring.



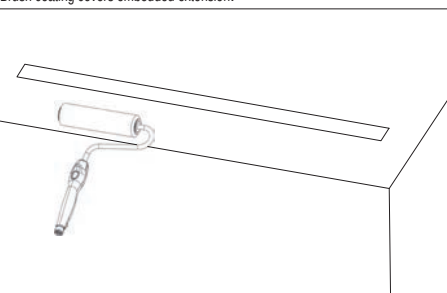
6. Turn off the power and wiring by using wire nut.



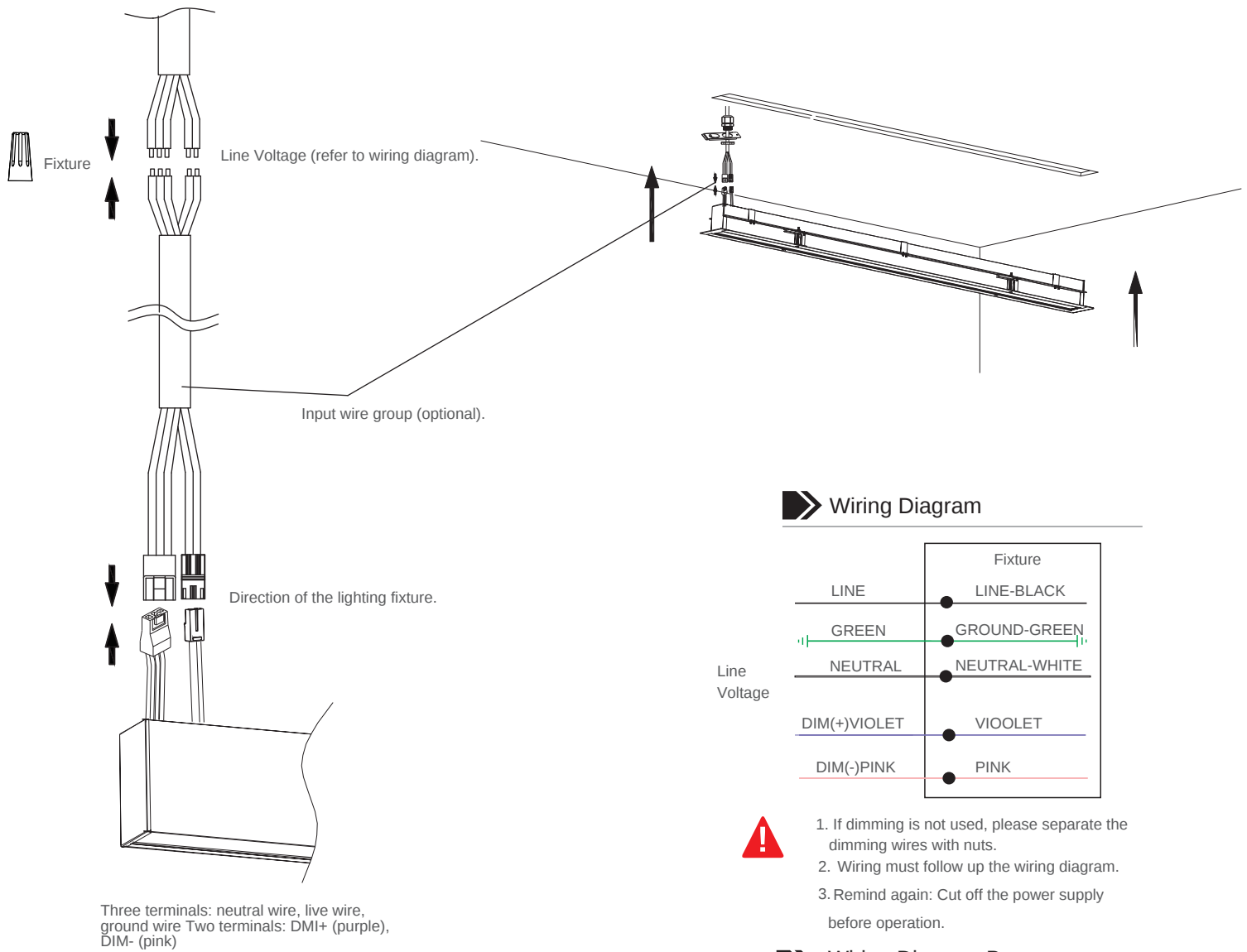
7. Secure the fixture to the mounting surface with long screws.



8. Brush coating covers embedded extension.



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Wiring Diagram

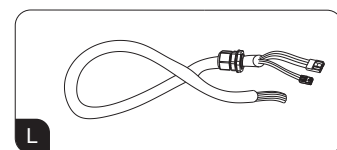
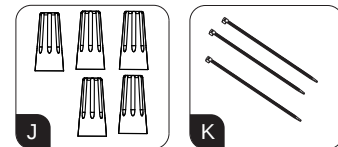
Line Voltage		Fixture	
LINE		●	LINE-BLACK
GREEN		●	GROUND-GREEN
NEUTRAL		●	NEUTRAL-WHITE
DIM(+)VIOLET		●	VIOOLET
DIM(-)PINK		●	PINK



1. If dimming is not used, please separate the dimming wires with nuts.
2. Wiring must follow up the wiring diagram.
3. Remind again: Cut off the power supply before operation.

Wiring Diagram B

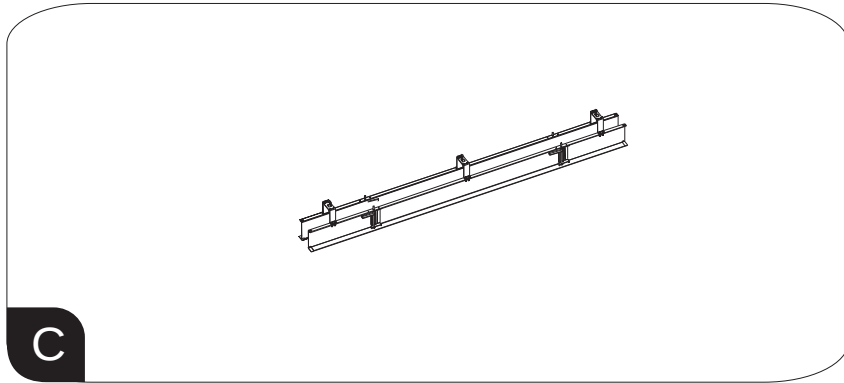
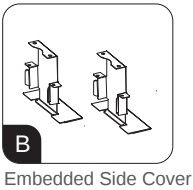
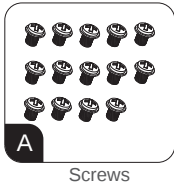
Driver's wires package(optional)



Wires accessories

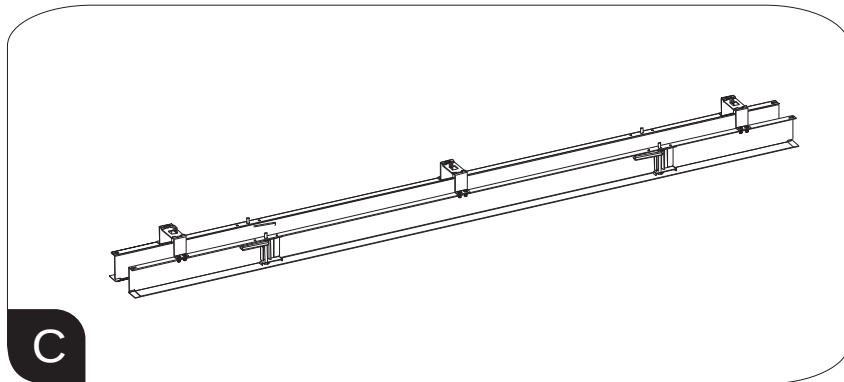
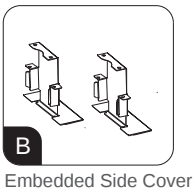
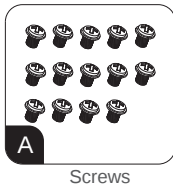
Architectural LED Linear Fixture

1 2FT Embedded installation accessories



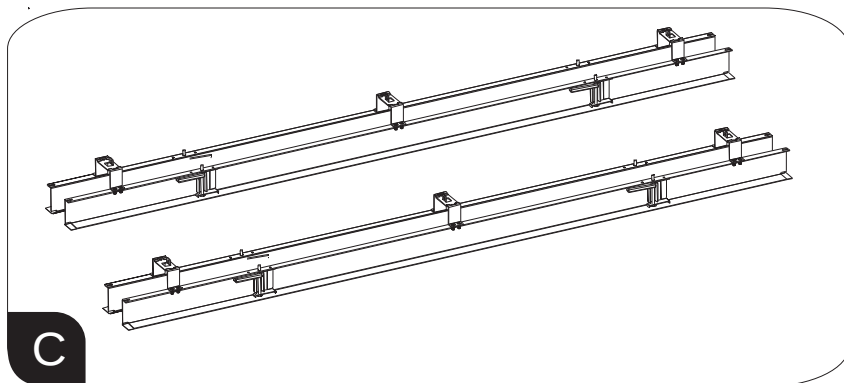
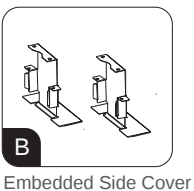
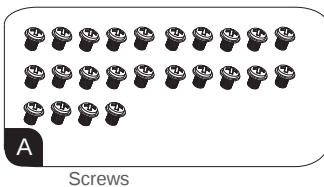
Embedded Mounting Bracket

2 4FT Embedded installation accessories



Embedded Mounting Bracket

3 8FT Embedded installation accessories

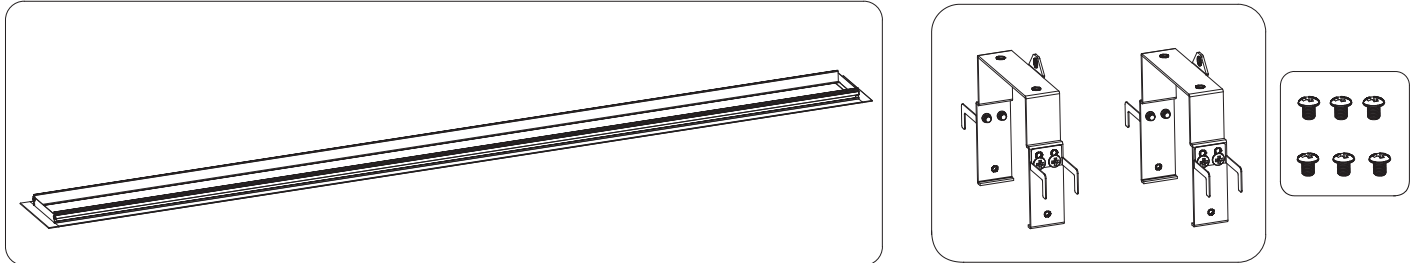


Embedded Mounting Bracket

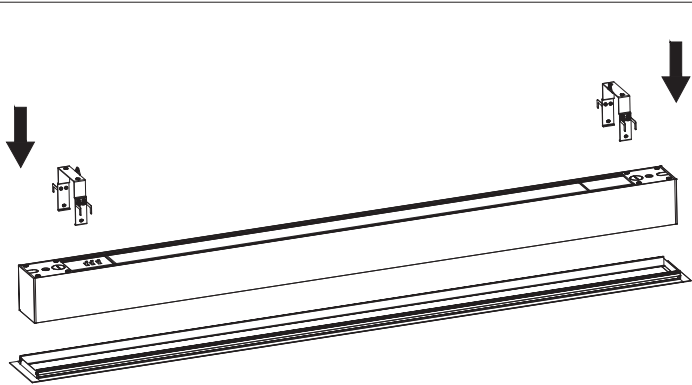
Architectural LED Linear Fixture

T-GRID RECESSED MOUNT INSTALLATION

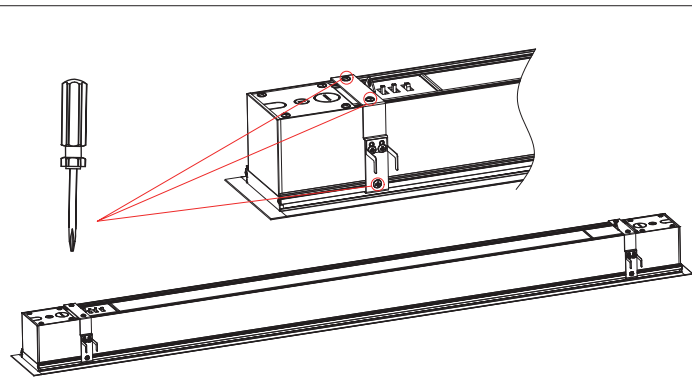
Accessories List



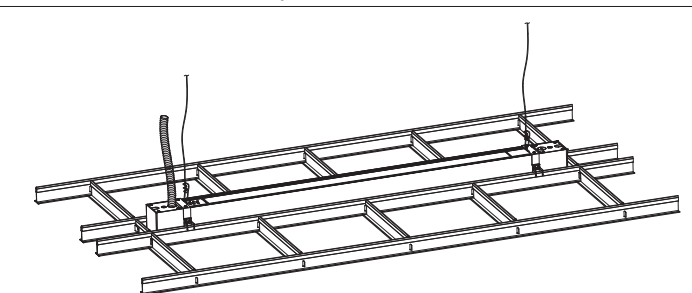
1. Fix the fixture together with the recessed trimmed mounting rail and the fixture fixing bracket.



3. Use a screwdriver to lock the bracket in place.



5. The installation is complete.



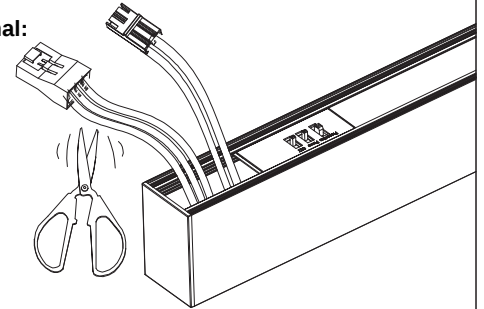
2. Cut off the corresponding terminals as required

Three-position terminal:

BLACK (LINE)
WHITE (NEUTRAL)
GREEN (GRD)

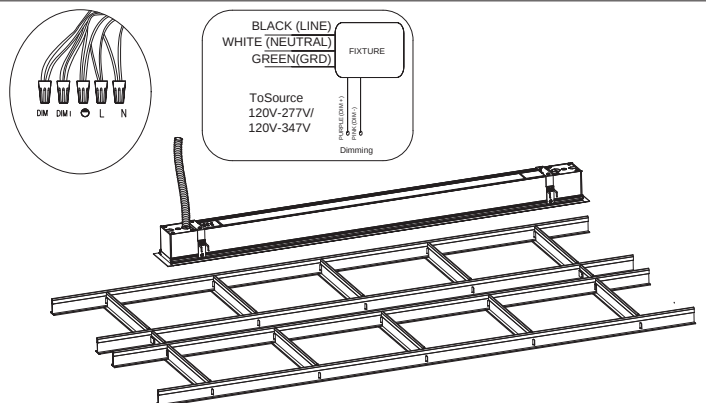
Two terminal:

PURPLE (DIM +)
PINK (DIM -)



1. After cutting off the connecting terminals, the lighting fixture will no longer be able to link with other fixtures through terminals.
2. After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring.

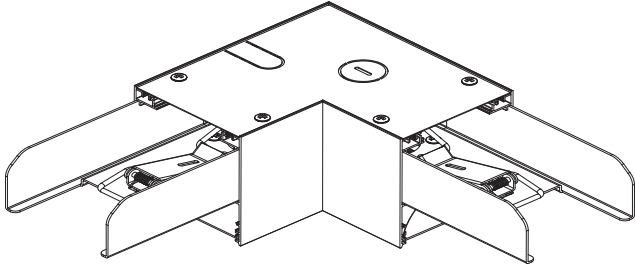
4. Connect the AC cable of the luminaire to the mains power and place the luminaire into the ceiling grid.



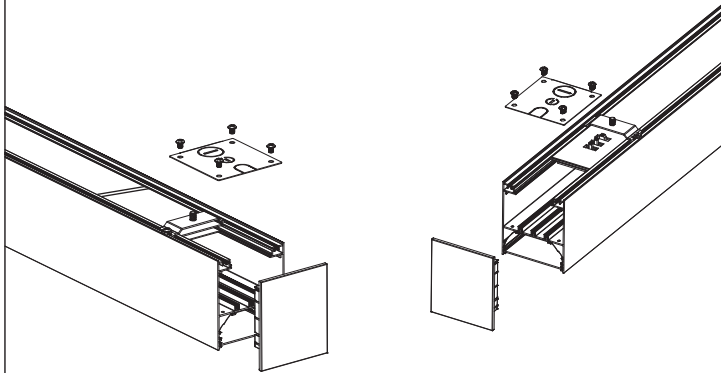
Architectural LED Linear Fixture

L-shaped Corner Installation intructions

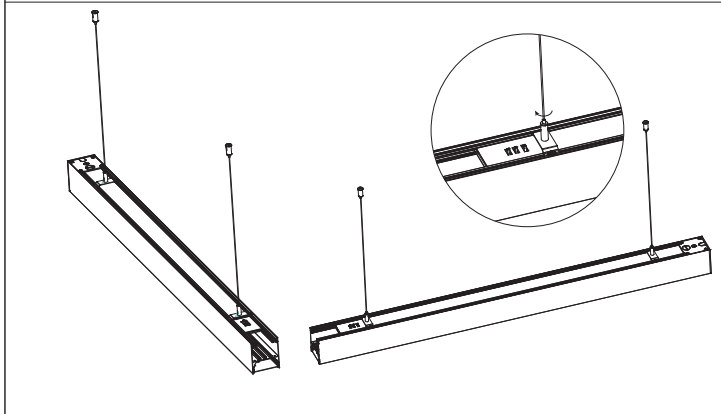
Accessories List



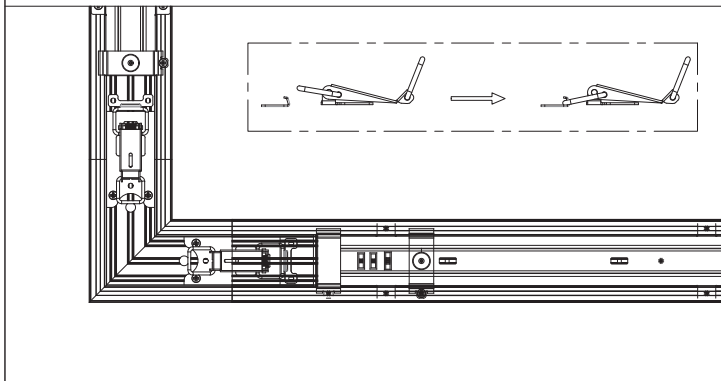
2.Use a screwdriver to remove the screws, remove the side cover and upper cover of both endsof the lamp to be spliced.



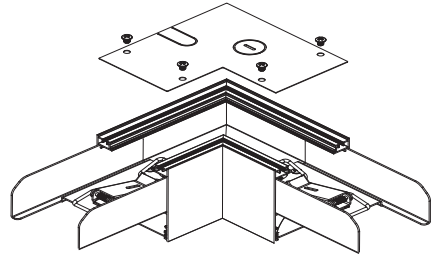
4.Use the rope to tighten the M5 screw thread to fix the lamp on the ceiling.



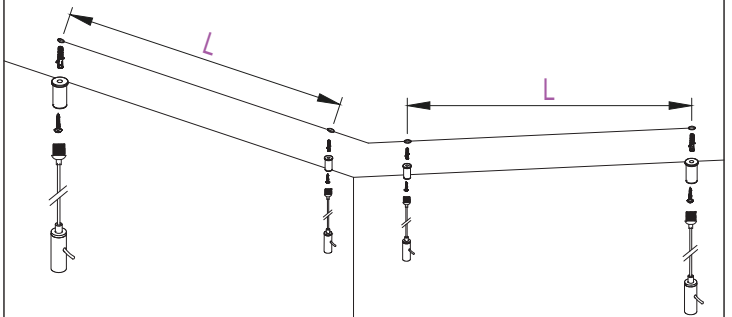
6.Attach the tension lock on the L-shaped splicing piece to the hook on the lamp, and then pull it tight. The lamp can be successfully spliced in this way.



1.Use a screwdriver to remove the screws,and remove the L-shaped splicing piece and the rear cover plate .

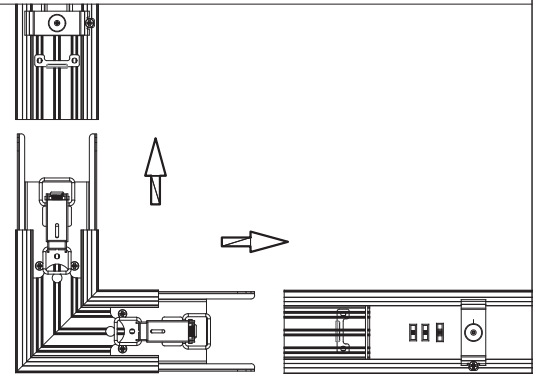


3.Fixing the hook and suspending the lamp..

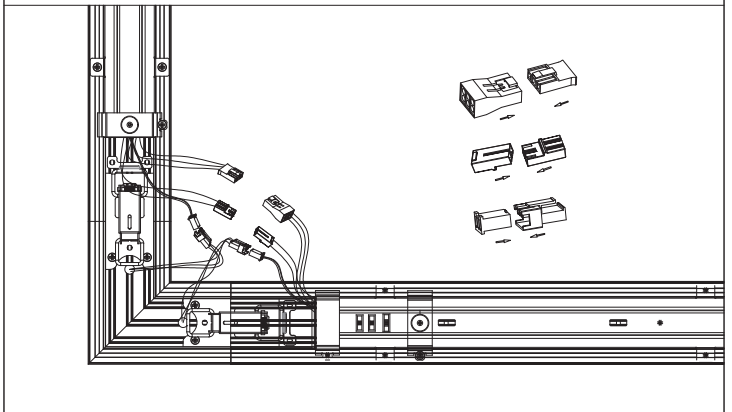


L=2FT:17.32"(440mm)
4FT:41.34" (1050mm)
8FT:89.37"(2270mm)

5.Insert the L-shaped splicing piece into the lamp to be spliced in turn.

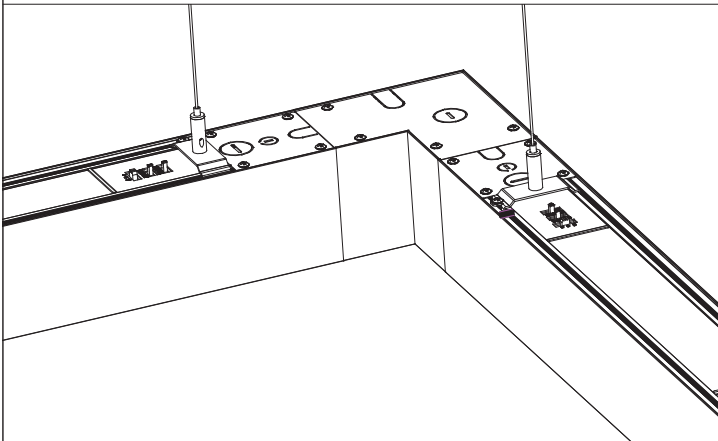


7.Connect the symmetrical terminals and insert the wires and terminals into the lamp interior.

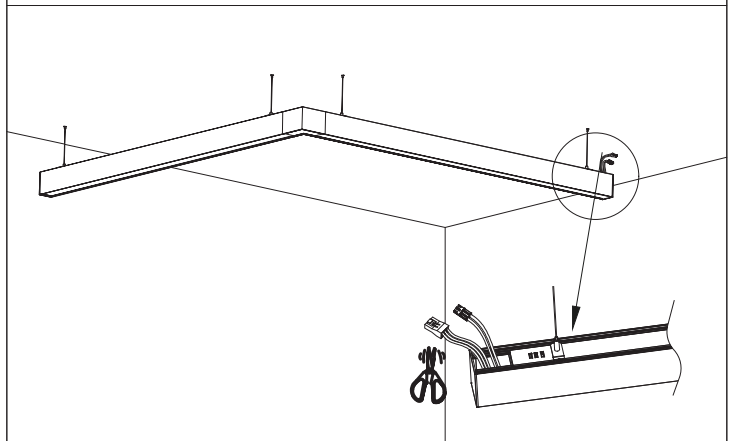


Architectural LED Linear Fixture

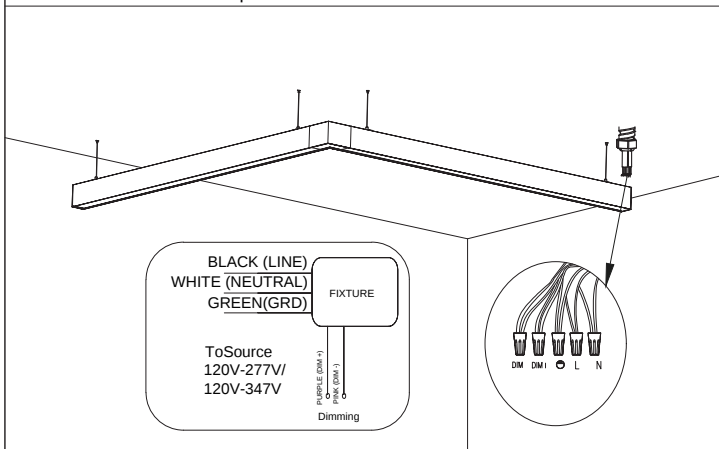
8.Lock the screws in the original position.



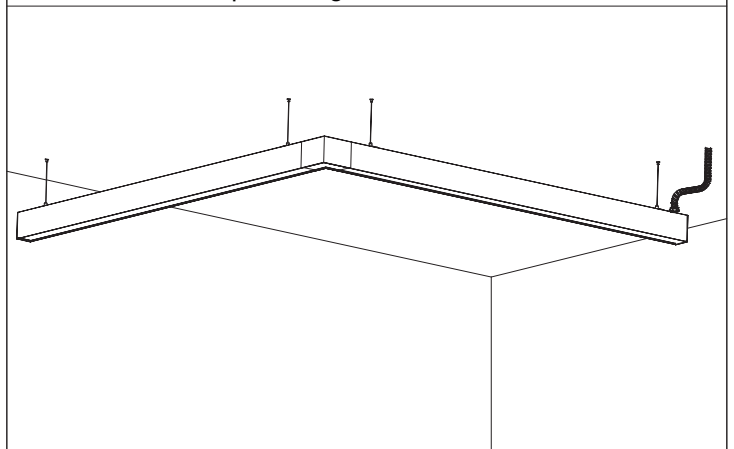
9.Cut off one end of the terminal as required for wiring.



10.Connect the wire as required.

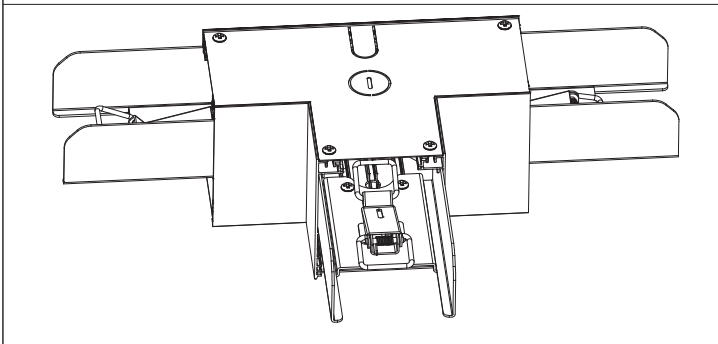


11.Installation completed, light trial run.

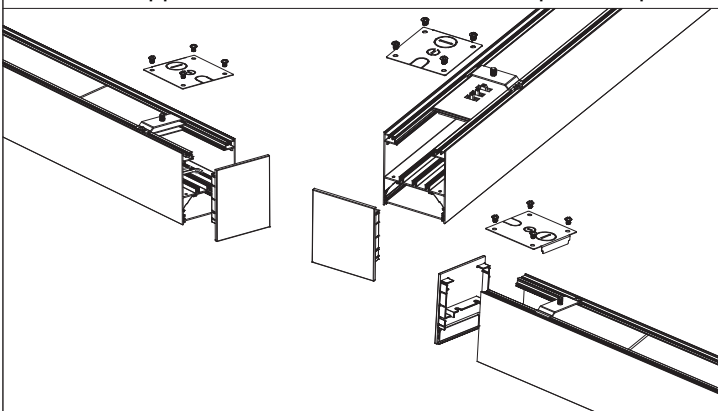


T-shaped Corner Installation Instructions

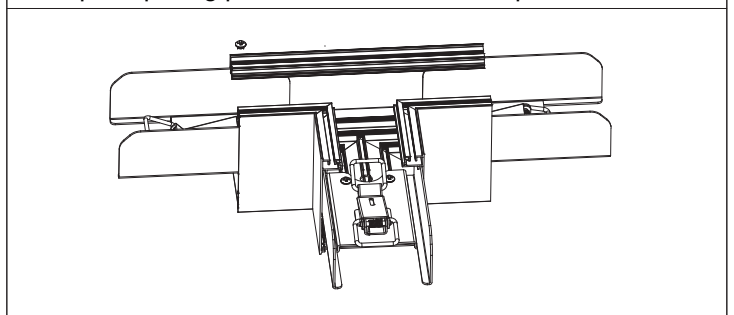
Accessories List



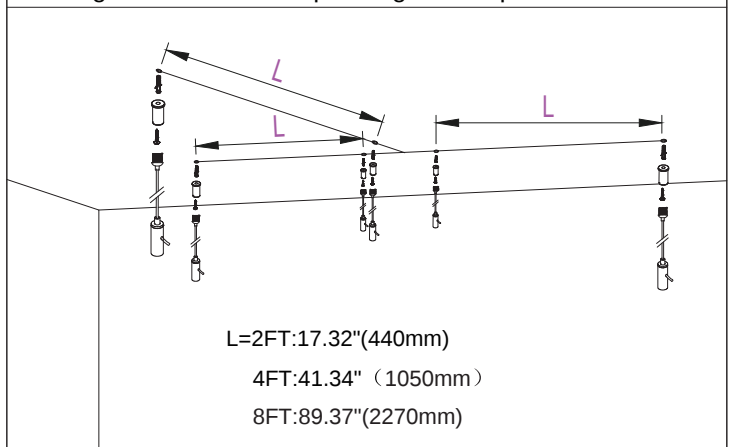
2.Use a screwdriver to remove the screws, remove the side cover and upper cover of both ends of the lamp to be spliced.



1.Use a screwdriver to remove the screws, and remove the L-shaped splicing piece and the rear cover plate.

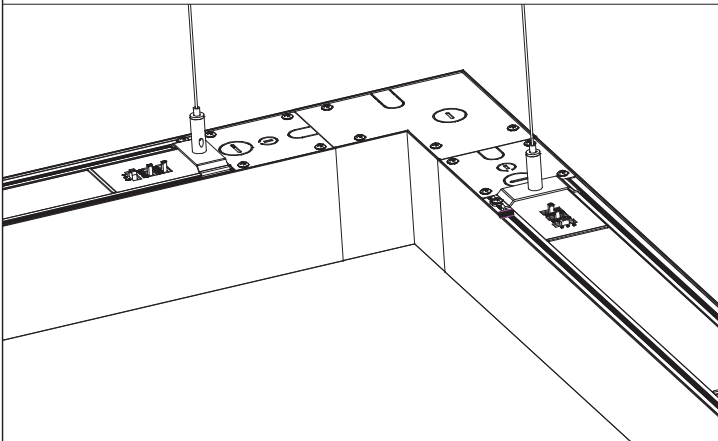


3.Fixing the hook and suspending the lamp..

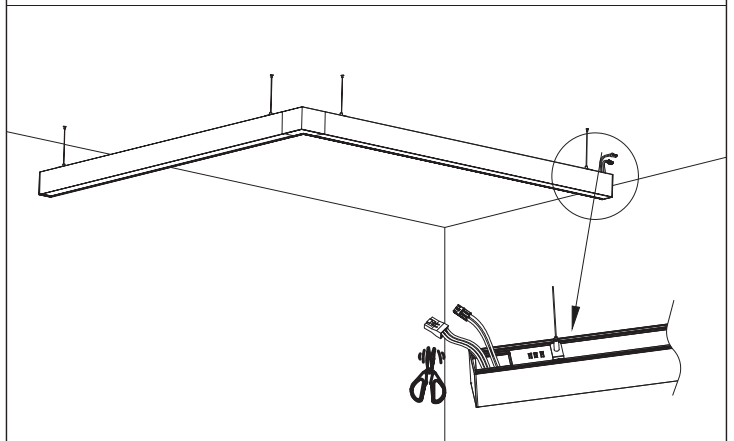


Architectural LED Linear Fixture

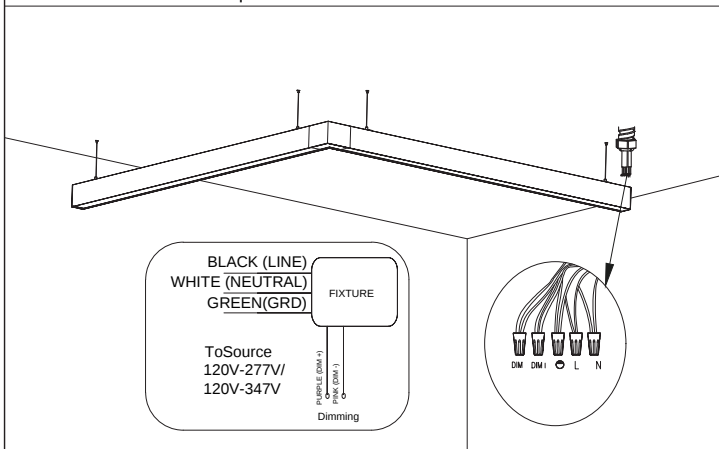
8.Lock the screws in the original position.



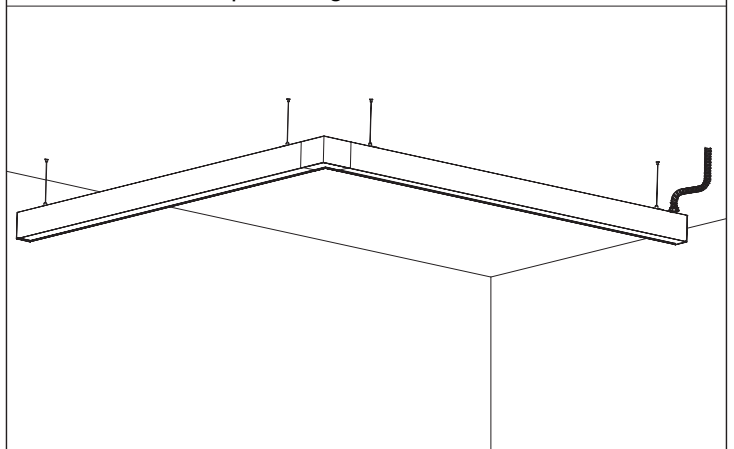
9.Cut off one end of the terminal as required for wiring.



10.Connect the wire as required.

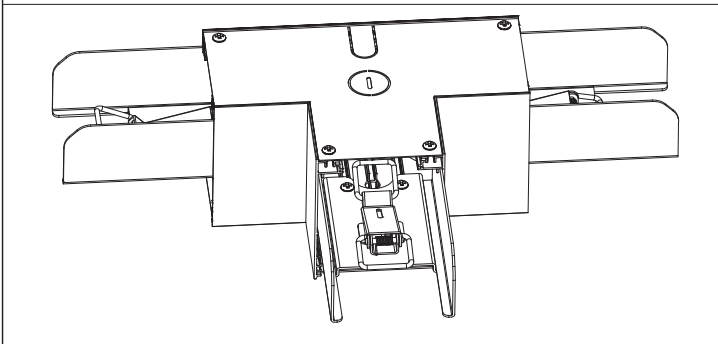


11.Installation completed, light trial run.

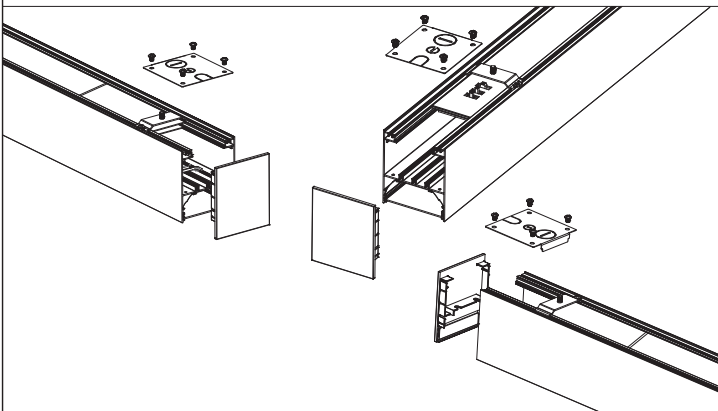


T-shaped Corner Installation Instructions

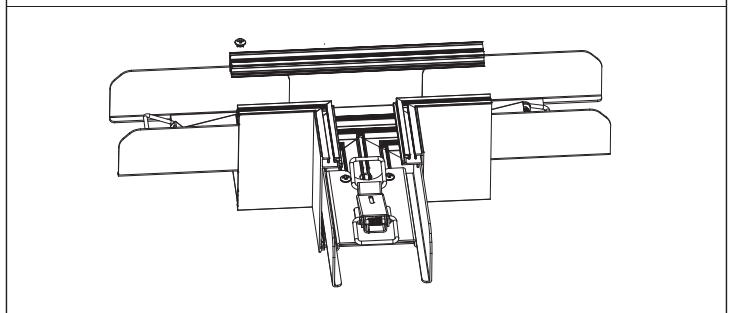
Accessories List



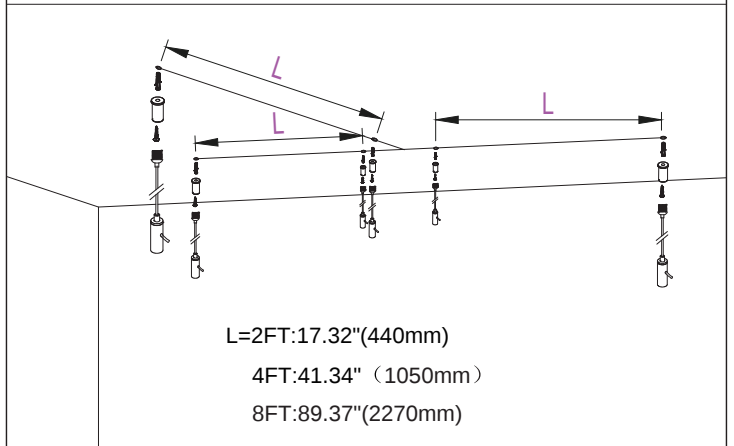
2.Use a screwdriver to remove the screws, remove the side cover and upper cover of both ends of the lamp to be spliced.



1.Use a screwdriver to remove the screws, and remove the L-shaped splicing piece and the rear cover plate.

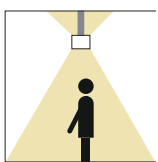
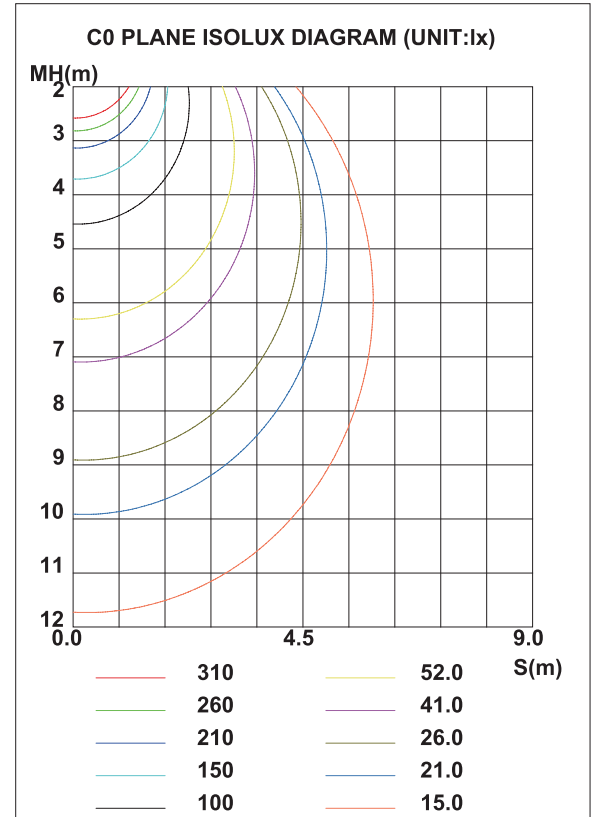
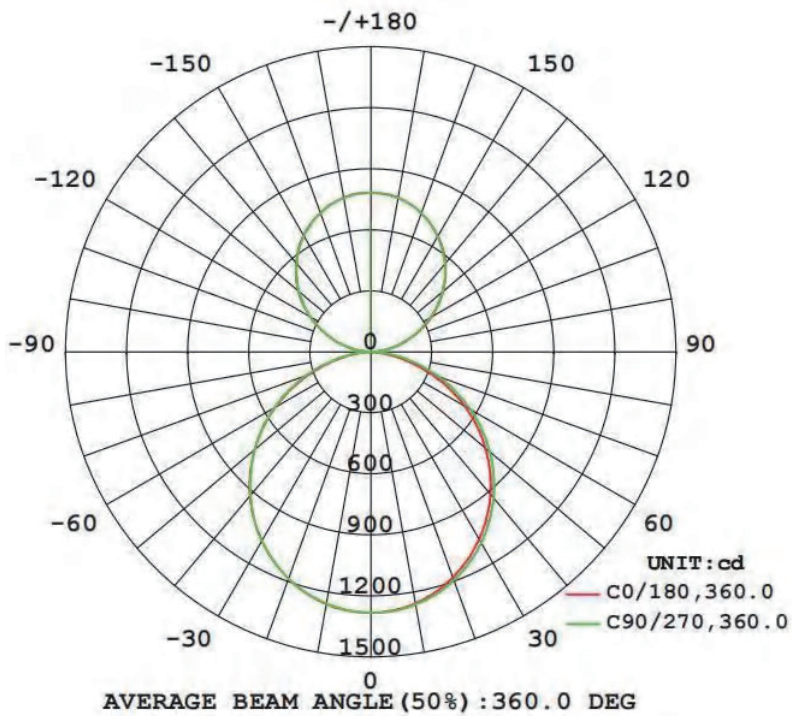


3.Fixing the hook and suspending the lamp..

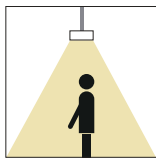


Architectural LED Linear Fixture

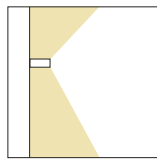
Testing Report



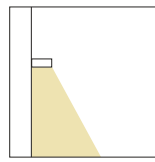
Pendant
(Up&down)



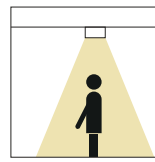
Pendant
(Down)



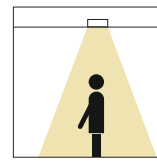
Wall mounted
(Up&down)



Wall mounted
(Down)



Surface mounted

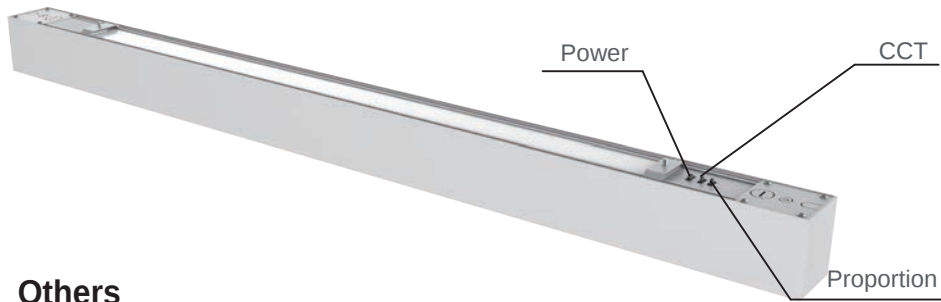


Recessed

Provides lighting distribution options of 70% Downlight 30% Uplight, 90% Downlight 10% Uplight, 100% Downlight.

Architectural LED Linear Fixture

Switches Plate



Others

The following multiple functions can be achieved according to customers' requests

- 1.Remove or turn off the emergency battery when testing the luminous efficacy.
- 2.Available with external or built-in microwave motion sensor
- 3.Emergency: the power is 8W, it can still work in 1.5hrs while emergency situation.
- 4.Remove or turn off the emergency battery when testing the luminous efficacy.

Accessories

Features:

Slim shape, easy to install

Built-in Lithium Battery

Self Testing

Constant output power(Auto-sensing output within each range)

Battery protections:over charge protection,over discharge protection,short circuit protection

UL listed for factory and field installation-UL 924 and CSA C22.2 NO.141

High-efficiency for CEC Compliance and US DOE.

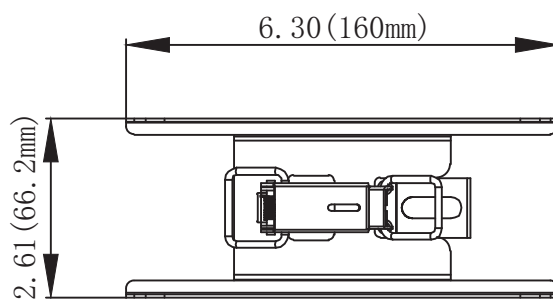


Emergency Driver

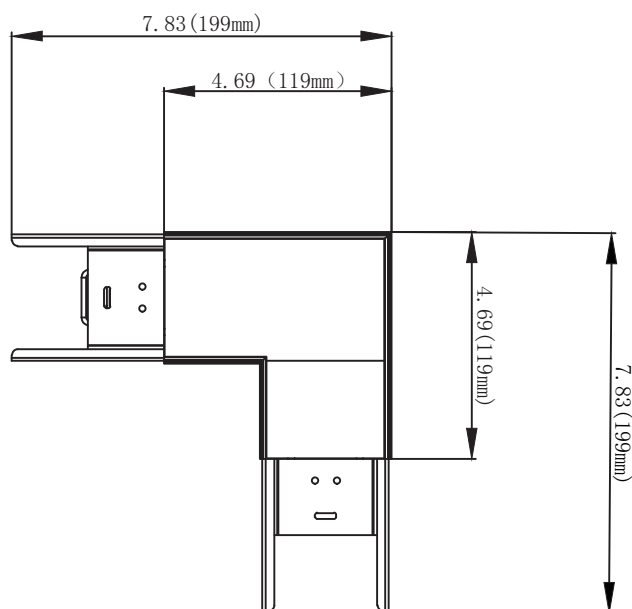
Architectural LED Linear Fixture

Accessories

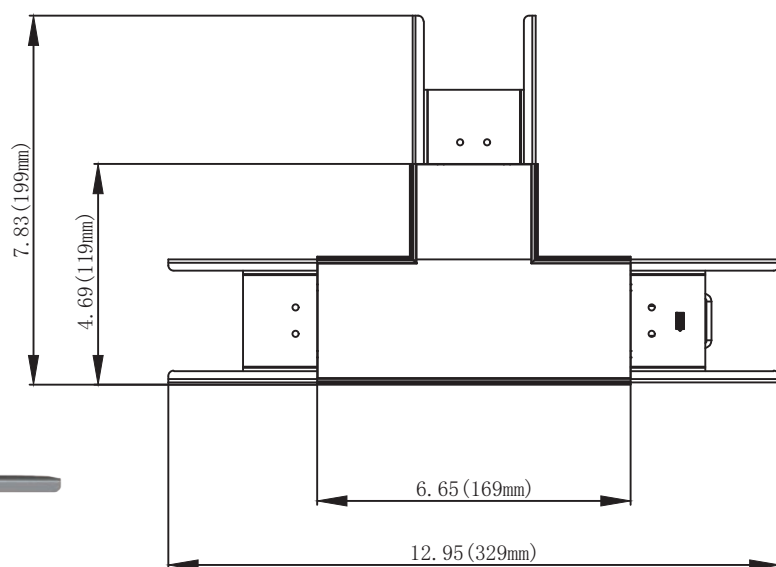
“—”joiner



“L”joiner

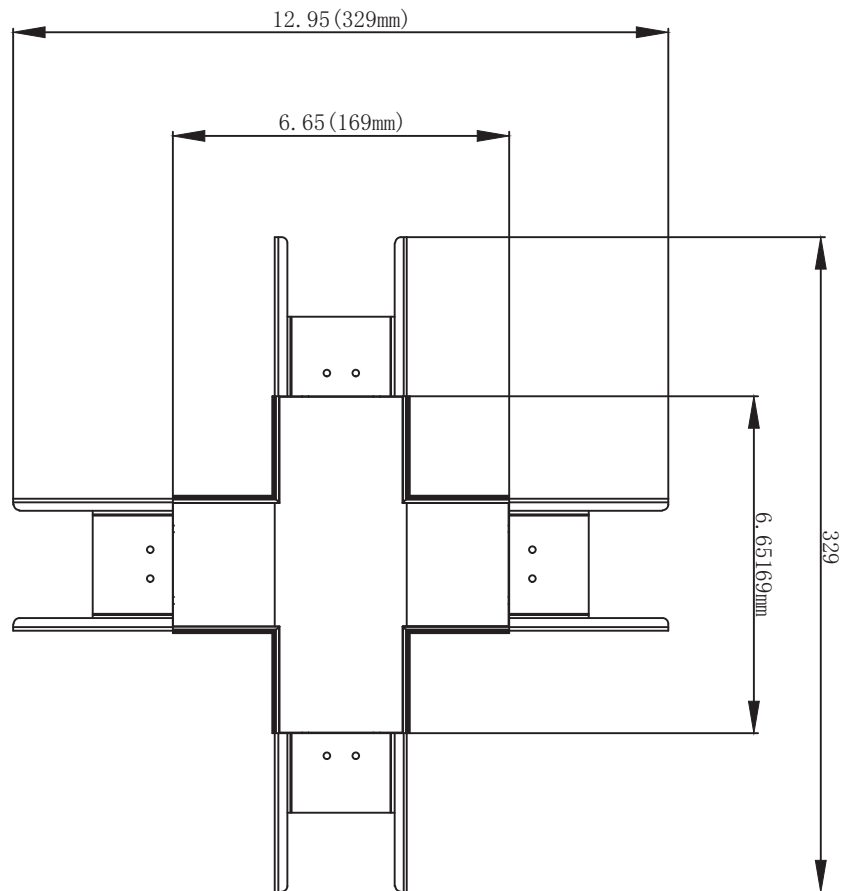
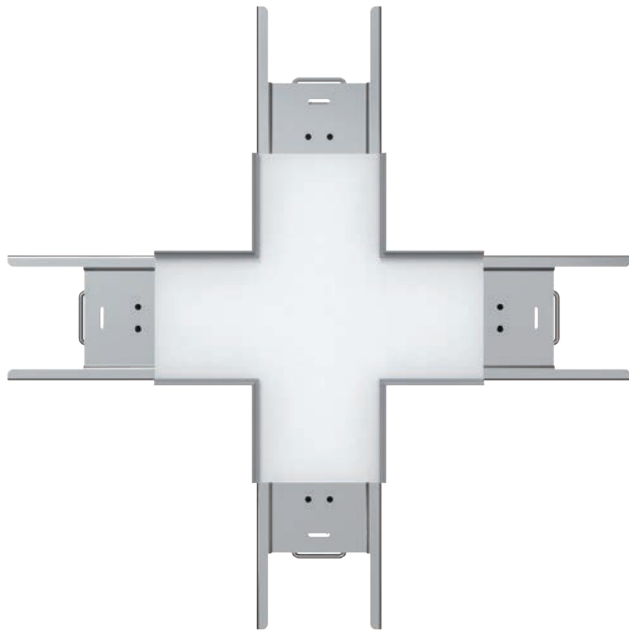


“T”joiner

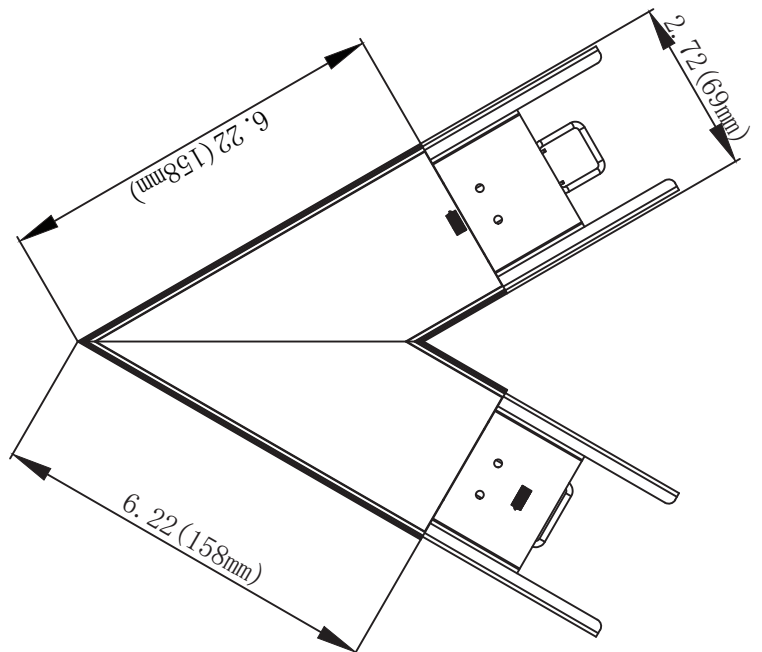


Architectural LED Linear Fixture

“X” joiner

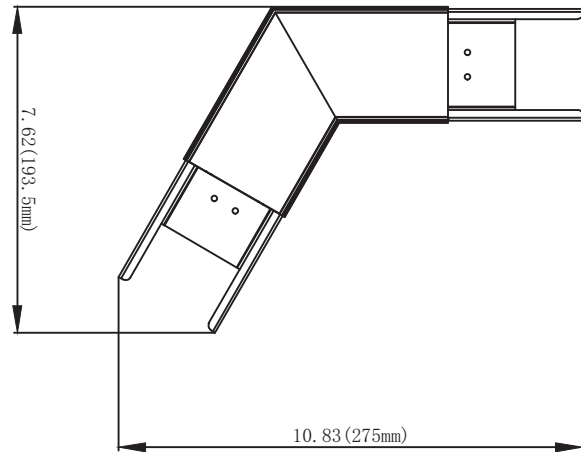


“V60” joiner

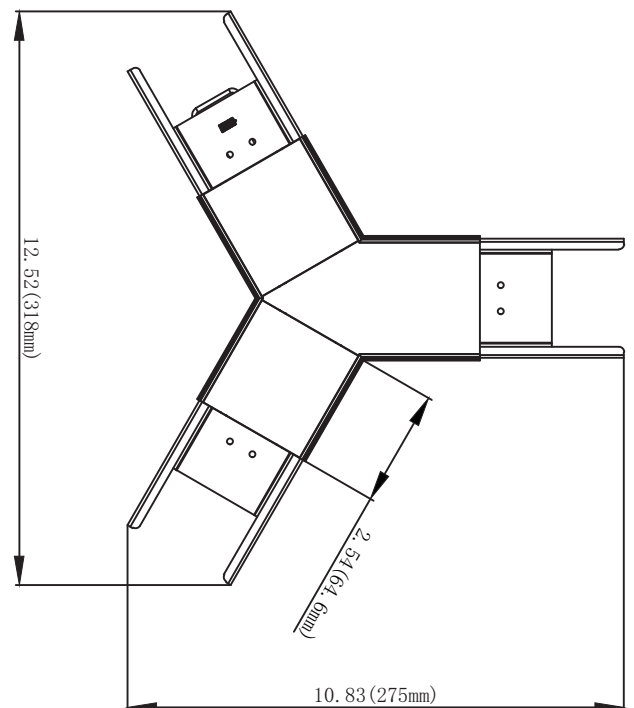


Architectural LED Linear Fixture

“V120”joiner

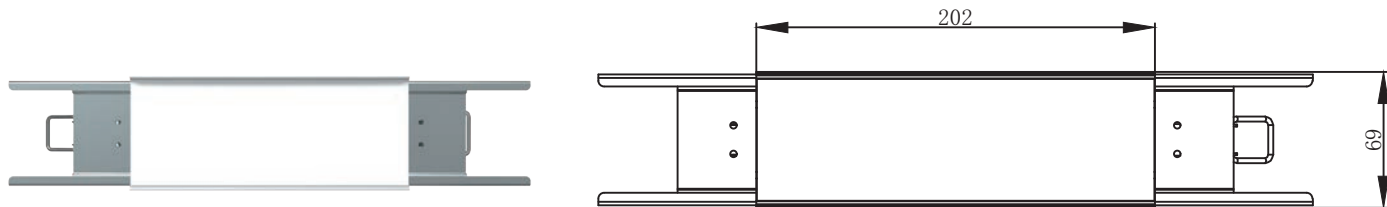


“Y”joiner



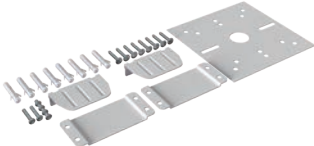
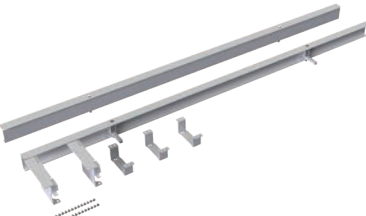
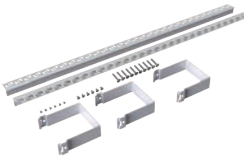
Architectural LED Linear Fixture

“I” joiner



Architectural LED Linear Fixture

MOUNTING ACCESSORY

1 5C POWER CORD KIT  • SZ-ALF-Cable (02) White SZ-ALF_Power Cord Kit_5C_5Ft_White • SZ-ALF-Cable (02) Black SZ-ALF_Power Cord Kit_5C_5Ft_Black	2 AIRCRAFT CABLE PENDANT MOUNT KIT  • SZ-ALF-LR-5FT (02) SZ-ALF_Aircraft Cable Pendant Mount Kit_5Ft • SZ-ALF-LR-15F (02) SZ-ALF_Aircraft Cable Pendant Mount Kit_15Ft
3 SURFACE MOUNT KIT  • SZ-ALF-SMA (02) White SZ-ALF_Surface Mount Kit_White	4 WALL MOUNT KIT  • SZ-ALF-WM (02) White SZ-ALF_Wall Mount Kit_White
5 RECESSED MOUNTING KITS  • SZ-ALF-2FT-RMK (02) White SZ-ALF_Trim Visible Recessed Mount Kit_2Ft_White • SZ-ALF-4FT-RMK (02) White SZ-ALF_Trim Visible Recessed Mount Kit_4Ft_White	6 RECESSED MOUNTING LACE KITS  • SZ-ALF-2FT-RMLK (02) White SZ-ALF_Trimless Recessed Mount Kit_2Ft_White • SZ-ALF-2FT-RMLK (02) Black SZ-ALF_Trimless Recessed Mount Kit_2Ft_Black • SZ-ALF-4FT-RMLK (02) White SZ-ALF_Trimless Recessed Mount Kit_4Ft_White • SZ-ALF-4FT-RMLK (02) Black SZ-ALF_Trimless Recessed Mount Kit_4Ft_Black • SZ-ALF-8FT-RMLK (02) White SZ-ALF_Trimless Recessed Mount Kit_8Ft_White
7 33FT DIFFUSER  • SZ-ALF-Cover (M) SZ-ALF_Milky Diffuser_33Ft_White	8 Emergency Driver  SZ-EMXXW-PL(02) options: 9W, 15W, 25W, 32W,40W
9	10

Architectural LED Linear Fixture

11 STRAIGHT CONNECTOR KIT



- SZ-ALF-Joiner (02)
SZ-ALF_Row Mount Kit

12 L-SHAPE JOINER



- SZ-ALF-L (02) White
SZ-ALF_L Shape Corner_White_Ra80_A
- SZ-ALF-L (02) Black
SZ-ALF_L Shape Corner_Black_Ra80_A

13 X-SHAPE JOINER



- SZ-ALF-X (02) White
SZ-ALF_X Shape Corner_White_Ra80_A
- SZ-ALF-X (02) Black
SZ-ALF_X Shape Corner_Black_Ra80_A

14 T-SHAPE JOINER



- SZ-ALF-T (02) White
SZ-ALF_T Shape Corner_White_Ra80_A
- SZ-ALF-T (02) Black
SZ-ALF_T Shape Corner_Black_Ra80_A

15 Y-SHAPE JOINER



- SZ-ALF-Y (02) White
SZ-ALF_Y Shape Corner_White_Ra80_A
- SZ-ALF-Y (02) Black
SZ-ALF_Y Shape Corner_Black_Ra80_A

16 V-SHAPE JOINER



- SZ-ALF-V60 (02) White
SZ-ALF_V60 Shape Corner_White_Ra80_A
- SZ-ALF-V60 (02) Black
SZ-ALF_V60 Shape Corner_Black_Ra80_A

17 V-SHAPE JOINER



- SZ-ALF-V120 (02) White
SZ-ALF_V120 Shape Corner_White_Ra80_A
- SZ-ALF-V120 (02) Black
SZ-ALF_V120 Shape Corner_Black_Ra80_A

18 I-SHAPE JOINER



- SZ-ALF-I (02) White
SZ-ALF_I Shape Corner_White_Ra80_A
- SZ-ALF-I (02) Black
SZ-ALF_I Shape Corner_Black_Ra80_A

19

20

Architectural LED Linear Fixture

Packing /weight

Catalog Number	Outer box (L*W*H)	Qty/CTN (pcs)	N.W (lbs/kg)	G.W./CTN (lbs/kg)	Remark
2FT	635*320*332mm 24.99*12.59*13.07"	12	35.97/16.32	39.28/17.82	With inner box
4FT	1209*320*332mm 57.59*12.59*13.07"	12	56.87/25.8	61.28/27.80	
8FT	2357*244*228mm 92.79*9.6*8.97"	6	51.98/23.58	57.49/26.08	