JS LED®
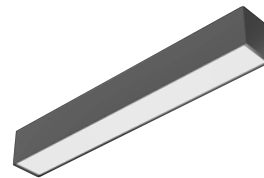
Architectural LED Linear Fixture

Features:

2' - 4' - 8' Linear Fixture lengths

Black and White finishes

Suspended/Surface/Wall mounting available

PS Frosted lens standard (additional options avaialble)

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

Dimensions:
2.75" W x 3.15" H

Selectable CCT:
3500K 4000K 5000K

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:

Uplight - 0%
Downlight - 100%

Uplight - 10%
Downlight - 90%

Uplight - 30%
Downlight - 70%
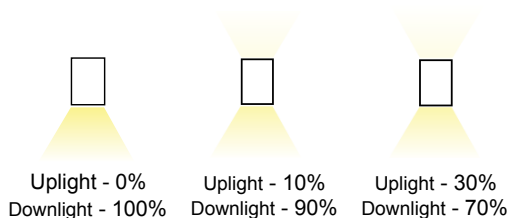
Connector Options:

"—"Joiner

Illuminated "L"

Illuminated "T"

Illuminated "X"

Illuminated "V60"

Illuminated "V120"

Illuminated "Y"

Illuminated "I"

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Architectural LED Linear Fixture

ORDERING GUIDE

Example: SZ-ALF50W-4FT-ACP

Company Code	Fixture Type	Wattage	Size	lighting effect	ACP	optional
SZ Company Name	**ALF** Architectural LED Linear Fixture	**25W Max** **50W Max** **80W Max**	**2FT 2'** **4FT 4'** **8FT 8'**	**Blank** 115LM/W	**ACP** Adjustable CCT and Power 25W: 15/20/25W 3500K/4000K/5000K 50W: 30/40/50W 3500K/4000K/5000K 80W: 50/64/80W 3500K/4000K/5000K	**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. CRI 80.

OperatingTemperature
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.
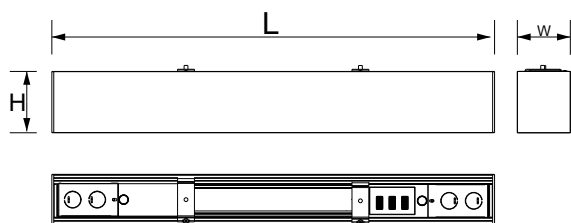
Options

Standard: Integrated down lighting

Standard: Integrated up/down lighting

Optional: Know-down modular of Up Lighting

Product Dimension

Model	Size
SZ-ALF-2FT	575x70x80(mm)/22.63"x2.75"x3.15"
SZ-ALF-4FT	1150x70x80(mm)/45.28"x2.75"x3.15"
SZ-ALF-8FT	2300x70x80(mm)/90.55"x2.75"x3.15"

Finish Options

White

Black

Housing Material: Aluminum
Optics: PS Lens
Finish: White, Black

JS LED®

Architectural LED Linear Fixture

Surface Mounting

▶ Safety Instructions

1, Read this instruction carefully before installation
2, Installation should be in accordance with national and local electrical laws and regulations
3, Product should installed by qualified and licensed electrician
4, Do not install in humid places, for dry and non-humid environments only.
5, Always turn off the power supply before installation or maintenance
6, To reduce the risk of fire and overheating, make sure all connections are tight
7, Fixtures should not covered with thermal insulation pads or similar materials at any circumstance
8, Do Not use out doors

▶ Parts List:
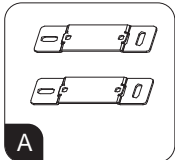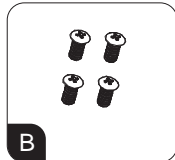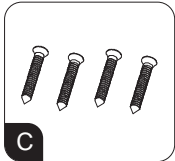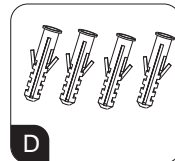
A — Surface-mounted Brackets	B — Short Screws
C — Long Screws	D — Anchors
E — Square Plate	

Driver's wires package(optional)
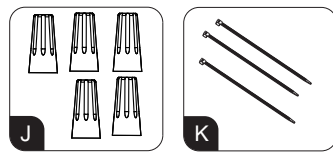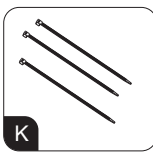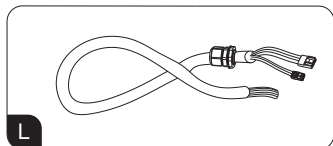
J — Wire Nuts	K — Ties
L — Wires accessories	

Mounting Steps

Cautions before Installation Top Cover

The wires at both ends of the lamp are connected, if one end of the wire is exposed, there is a risk of electric shock.

⚠ 1, Open the top cover and check if the wires at both ends are securely connected to the terminals. Do not use if the wires are exposed.
2, Please turn off the power before testing the operation of the lighting fixtures, and do not touch any part of the fixture to avoid the risk of electric shock.

Wiring Direction Indication:
Top Cover   End with Control Board   End without Control Board

When connecting to the mains power, please connect it from one end of the control board.

1 Attached square plate onto the junction-box with screws
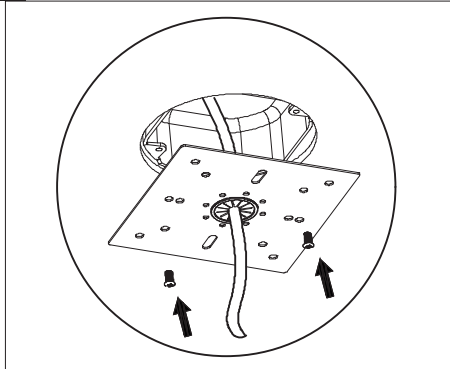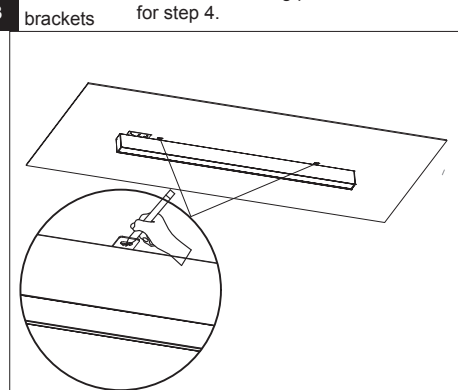
2 Fix the 2 surface-mounted brackets to fixture back with provided short screws

Suggested holes distance: 2FT: 400mm/15.7"
4FT: 800mm/31.5"
8FT: 2000mm/78.7"

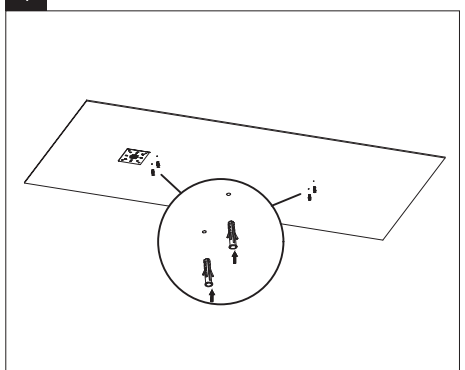**3** Put and press the fixture onto mounting surface, then mark the mounting positions from brackets for step 4.
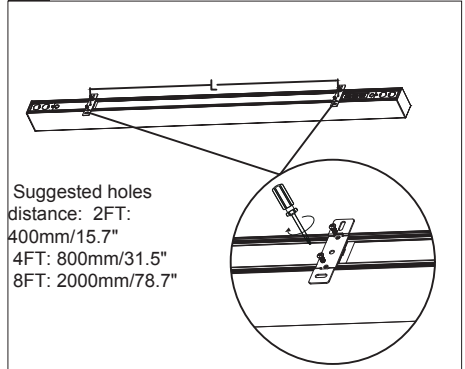
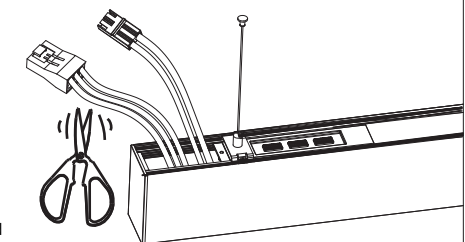**4** Drill the holes according to the marks and insert the anchors

5 Cut off the corresponding terminals as required.

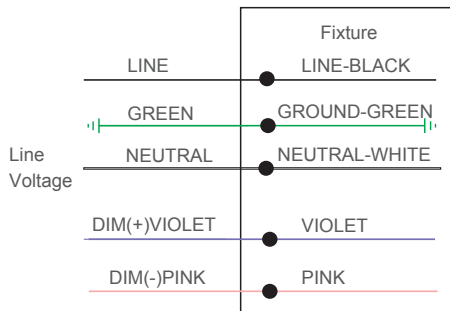Three-position terminal： BLACK (LINE)
WHITE (NEUTRAL)
GREEN(GRD)

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.
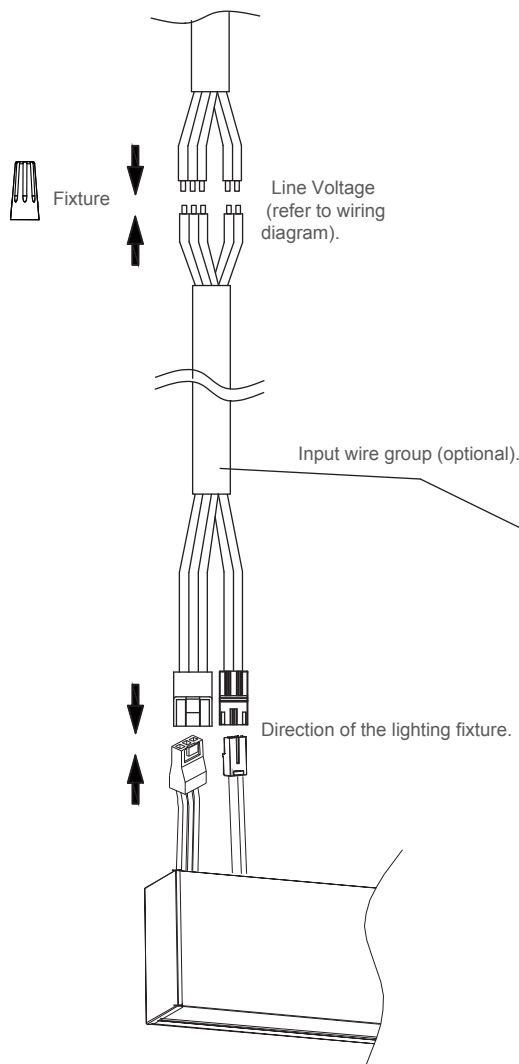2.After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring.

⟫ Wiring Diagram

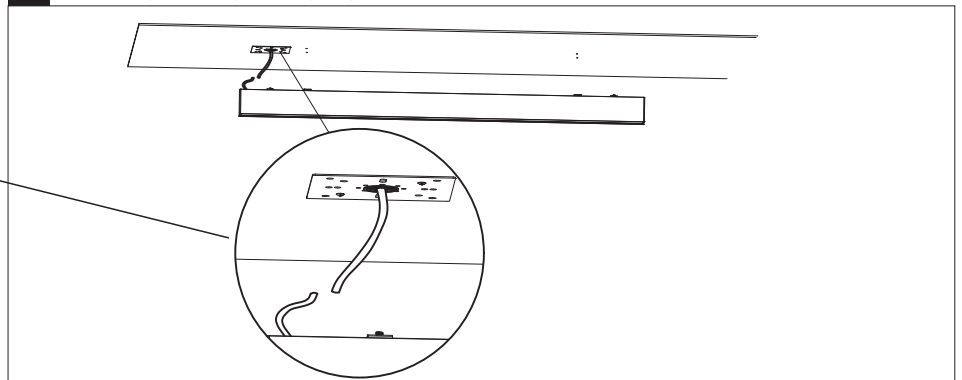|	Fixture
LINE	LINE-BLACK
GREEN	GROUND-GREEN
Line Voltage NEUTRAL	NEUTRAL-WHITE
DIM(+)VIOLET	VIOLET
DIM(-)PINK	PINK

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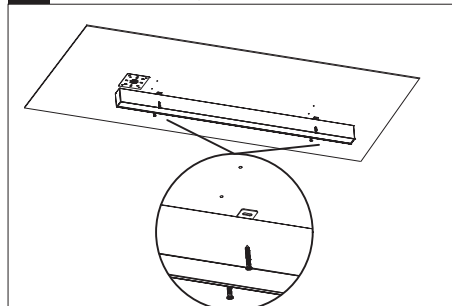3. Remind again: Cut off the power supply before operation.

⟫ Wiring Diagram

Fixture

Line Voltage (refer to wiring diagram).

Input wire group (optional).

Direction of the lighting fixture.

Three terminals: neutral wire, live wire, ground wire Two terminals: DMI+ (purple), DIM- (pink)

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

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

8 Installation completed.

⟫ Input wire group (optional).

1

Anti-pull joiner (if using metal conduit for installation, the anti-pull joiner can be removed before installation).

2

JS LED®
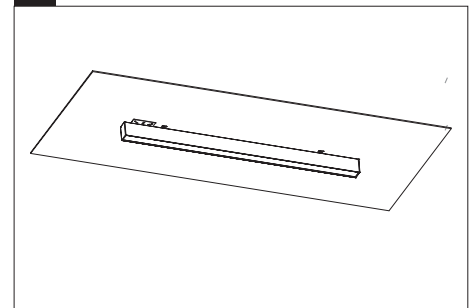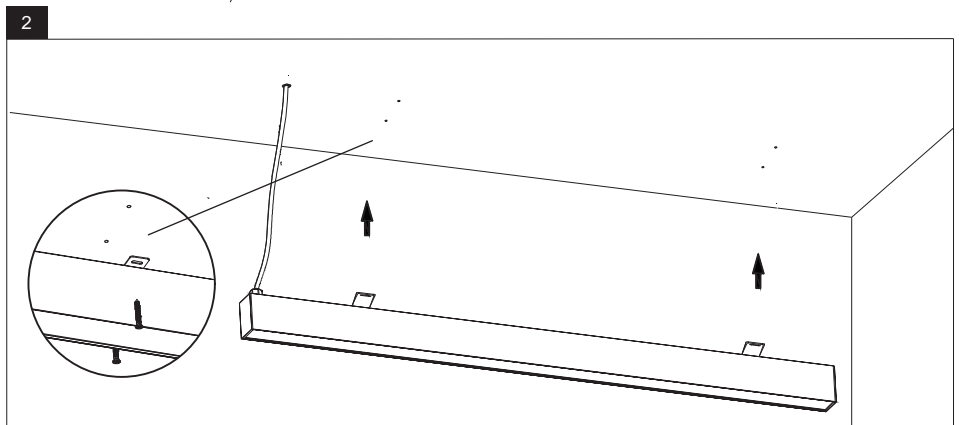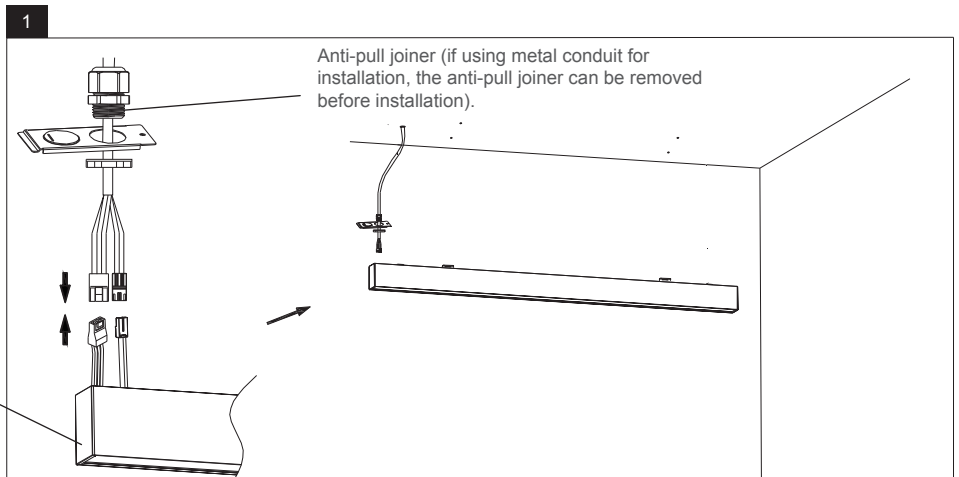
Architectural LED Linear Fixture

Pendant Mounting

Safety Instructions

1, Read this instruction carefully before installation
2, Installation should be in accordance with national and local electrical laws and regulations
3, Product should installed by qualified and licensed electrician
4, Do not install in humid places, for dry and non-humid environments only.
5, Always turn off the power supply before installation or maintenance
6, To reduce the risk of fire and overheating, make sure all connections are tight
7, Fixtures should not covered with thermal insulation pads or similar materials at any circumstance
8, Do Not use out doors

Parts List

Hanging plate accessories
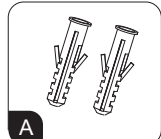
A	B	C
Expanding rubber stopper	Long screws	Mounting part
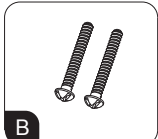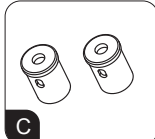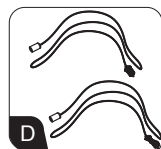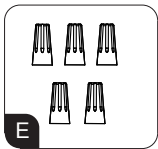
D	E
Sling assembly	Wire Nuts

Driver's wires package(optional)
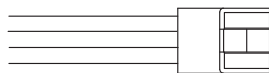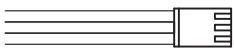
J	K
Wire Nuts	Ties

L
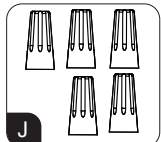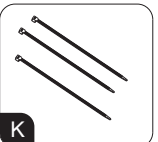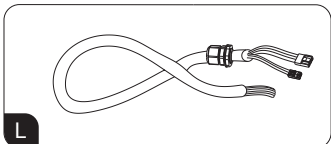
Wires accessories

orange terminal
DIM+(Pueple)
DIM-(Pink)
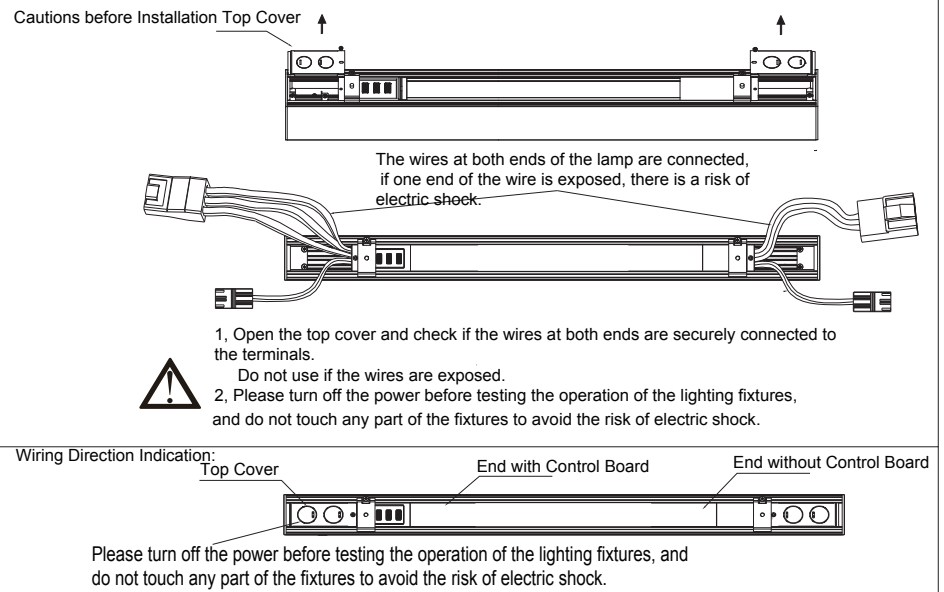
Yellow terminal
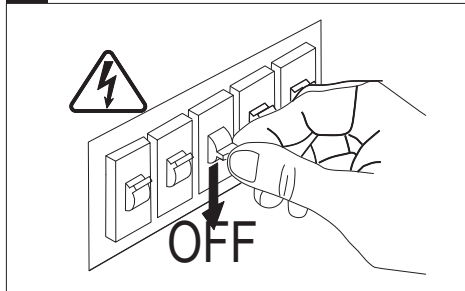L(Black)
Ground wire (Green)
N(White)

white terminal
Wiring for connection parts
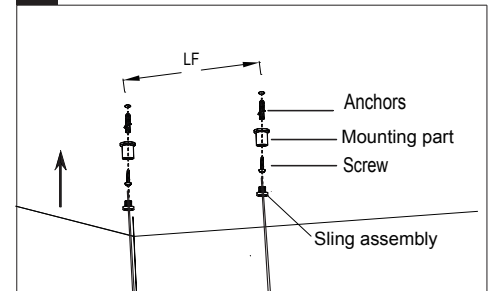
Function description of the control board

Cautions before Installation Top Cover

The wires at both ends of the lamp are connected, if one end of the wire is exposed, there is a risk of electric shock.

1, Open the top cover and check if the wires at both ends are securely connected to the terminals.
Do not use if the wires are exposed.
2, Please turn off the power before testing the operation of the lighting fixtures, and do not touch any part of the fixtures to avoid the risk of electric shock.

Wiring Direction Indication:
Top Cover   End with Control Board   End without Control Board

Please turn off the power before testing the operation of the lighting fixtures, and do not touch any part of the fixtures to avoid the risk of electric shock.

Mounting Steps

1 Turn off the power.

OFF

2 Fixing the hook and suspending the lamp.

LF

Anchors
Mounting part
Screw
Sling assembly

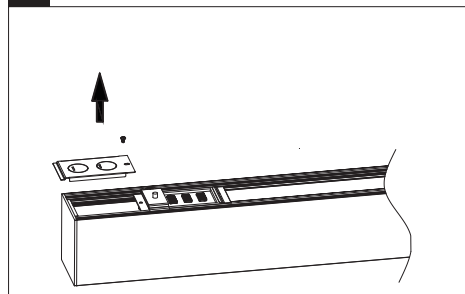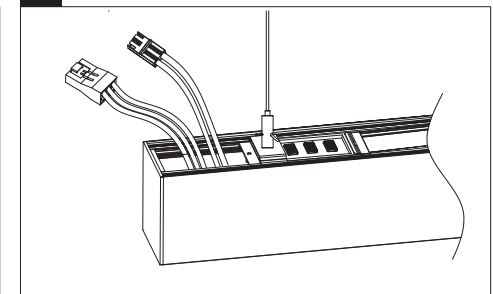**3** Adjusting the hanging rope length.
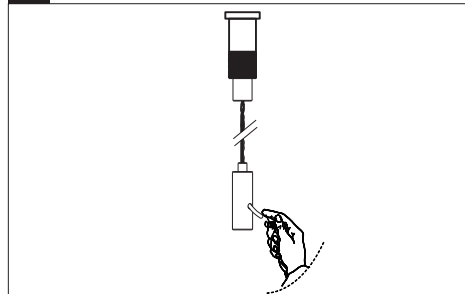
4 Use M5 square screw and M5 fixed head to fix LED strip light.
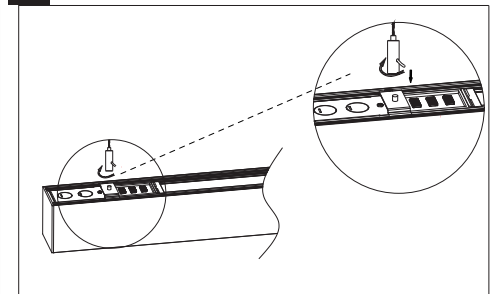
5 Open the end of the lamp to be connected.

6 Take out wire.

JS LED®

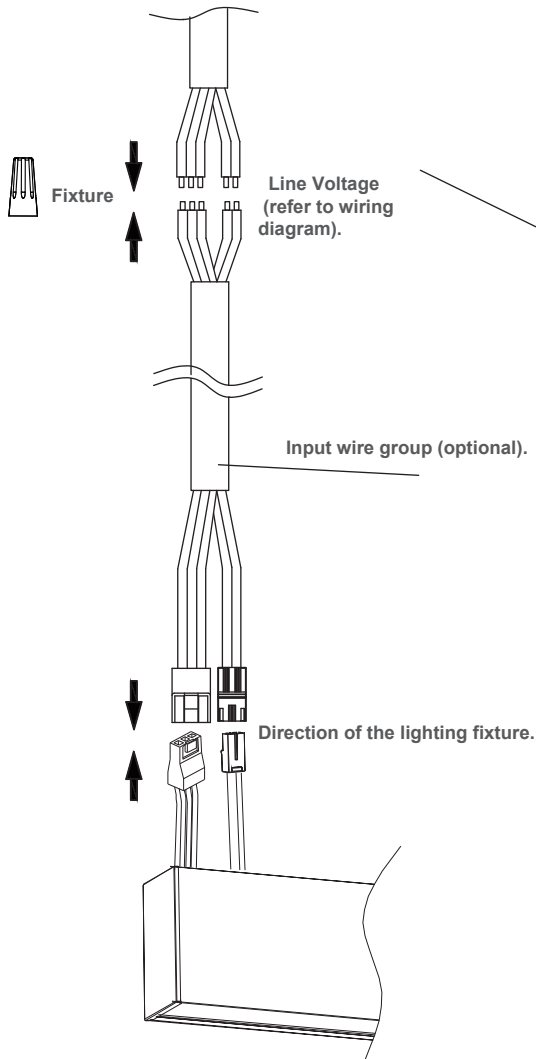# Architectural LED Linear Fixture

▶▶ Wiring Diagram

LINE	LINE-BLACK
DREEN	GROUND-GREEN
NEUTRAL	NEUTRAL-WHITE
DIM(+)VIOLET	VIOOLET
DIM(-)PINK	PINK
12V YELLOW	YELLOW

⚠️
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

Fixture

Line Voltage (refer to wiring diagram).

Input wire group (optional).

Direction of the lighting fixture.

Three terminals: neutral wire, live wire, ground wire Two terminals: DMI+ (purple), DIM- (pink)

---

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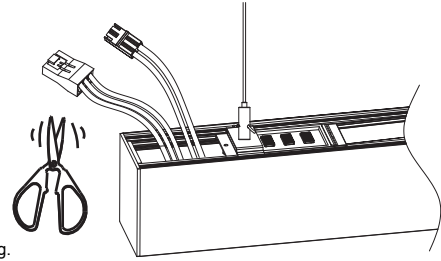
8 | Turn off the power and wiring by using wire nut,

1.Insert the terminal block and wires into the lamp housing.
2.The installation is completed and energize the luminaire to verify operation.
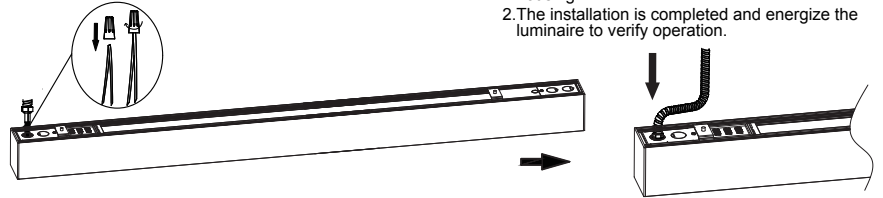
▶▶ Input wire group (optional).

1

Anti-pull joiner (if using metal conduit for installation, the anti-pull joiner can be removed before installation).

JS LED®
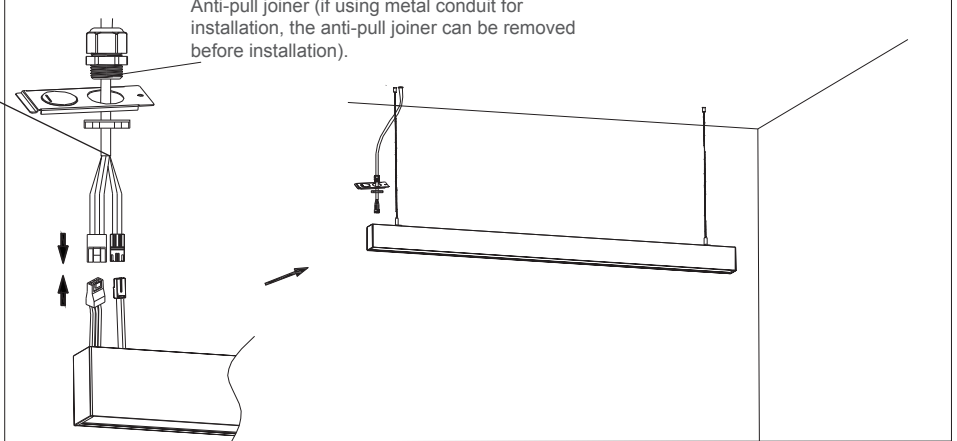
# Architectural LED Linear Fixture

Recessed Mounting for Drywall Ceiling

▶ Safety Instructions

1, Read this instruction carefully before installation
2, Installation should be in accordance with national and local electrical laws and regulations
3, Product should installed by qualified and licensed electrician
4, Do not install in humid places, for dry and non-humid environments only.
5, Always turn off the power supply before installation or maintenance
6, To reduce the risk of fire and overheating, make sure all connections are tight
7, Fixtures should not covered with thermal insulation pads or similar materials at any circumstance
8, Do Not use out doors

▶ Parts List:

Pre-buried Cantilever Section A
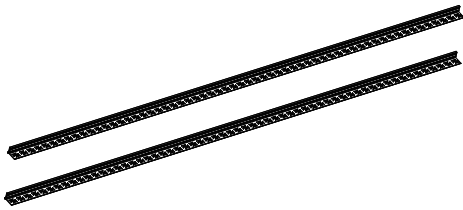
Pre-buried Cantilever Section B
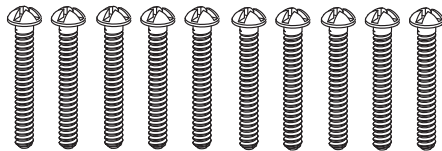
Long screw
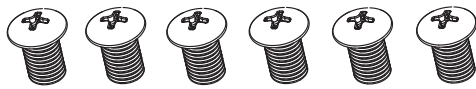
Short screw
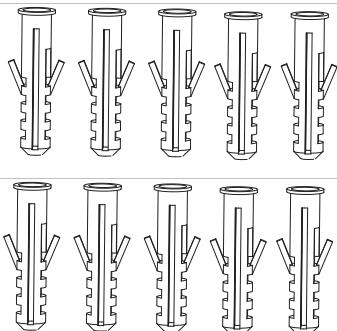
Anchors

Mounting Steps

Cautions before Installation Top Cover
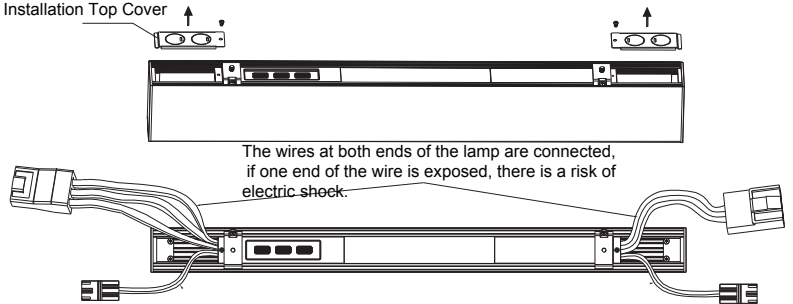
The wires at both ends of the lamp are connected, if one end of the wire is exposed, there is a risk of electric shock.

⚠ 1, Open the top cover and check if the wires at both ends are securely connected to the terminals.
Do not use if the wires are exposed.
2, Please turn off the power before testing the operation of the lighting fixtures, and do not touch any part of the fixtures to avoid the risk of electric shock.
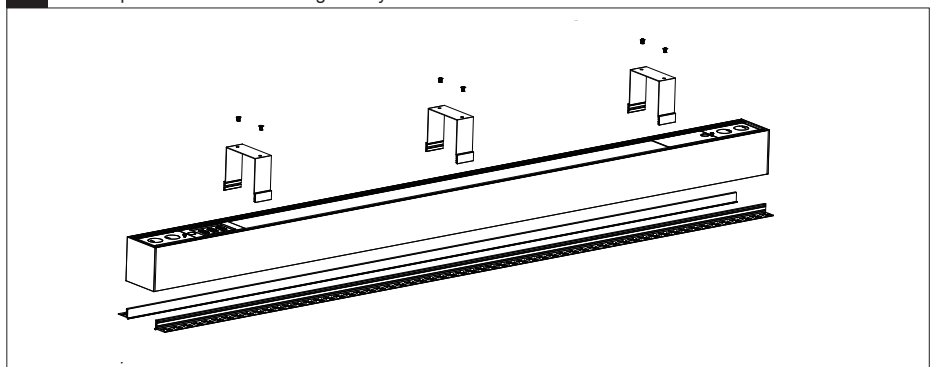
Wiring Direction Indication: Top Cover   End with Control Board   End without Control Board
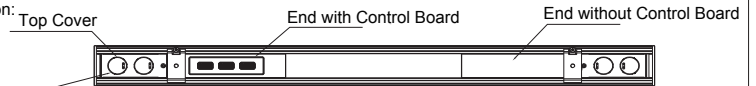
When connecting to the mains power, please connect it from one end of the control board.

| 1 | Reserve installation holes in the ceiling. |

W
L

Opening size LxW
2FT 23.62"x3.15"/600x80mm
4FT 46.06"x3.15"/1170x80mm
8FT 90.94"x3.15"/2310x80mm
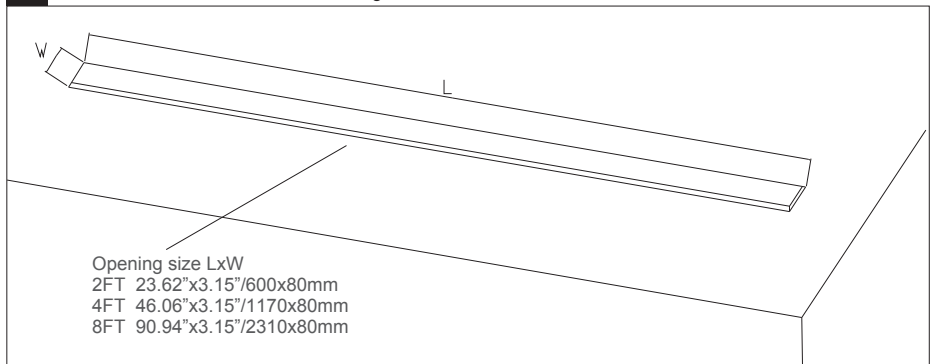
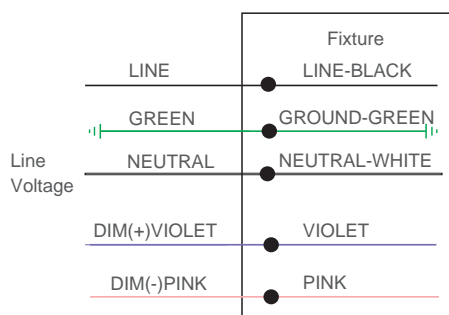| 3 | Fix the pre-buried lace on the light body |

| 4 | Put and press the fixture onto mounting surface,then mark the mounting positions from brackets,for step 5. |

Architectural LED Linear Fixture

5 Drill the holes according to the marks and insert the anchors

▶▶ Wiring Diagram

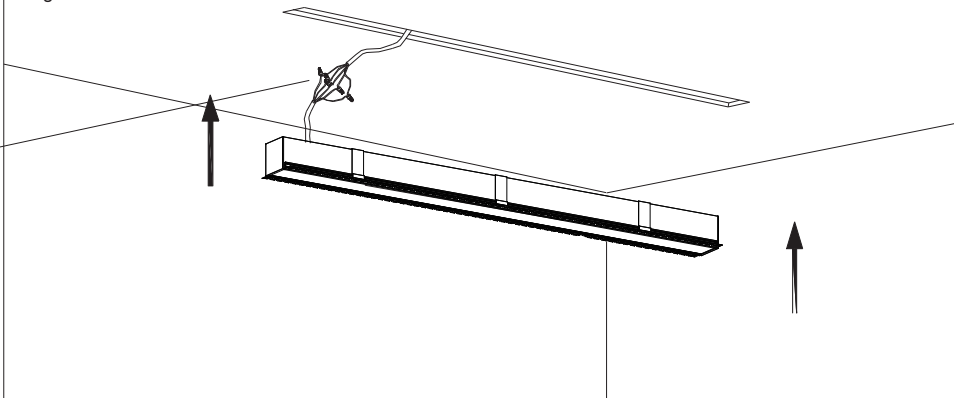|	Fixture
LINE	LINE-BLACK
GREEN	GROUND-GREEN
NEUTRAL	NEUTRAL-WHITE
DIM(+)VIOLET	VIOLET
DIM(-)PINK	PINK

Line Voltage

1. If dimming is not used, please separate the dimming wires with nuts.
2. Wiring must follow up the wiring diagram.
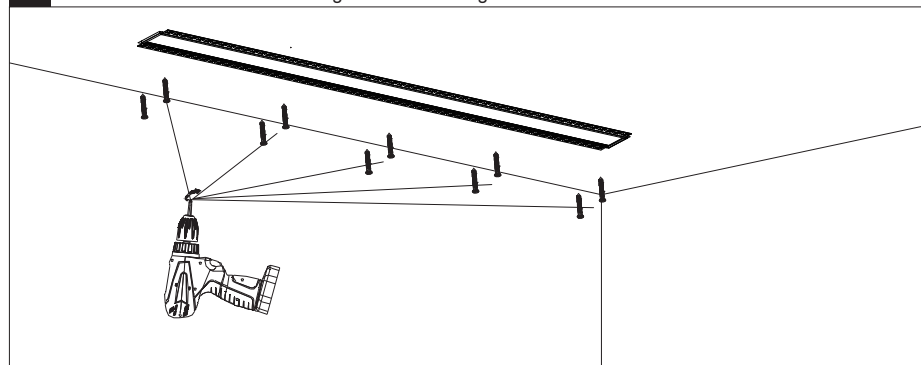3. Remind again: Cut off the power supply
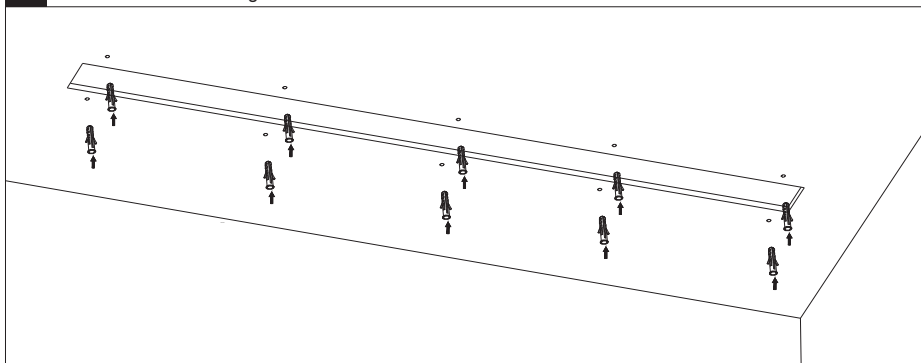
6 Cut off the fixture's connectors for wiring to line voltage if needed, make wiring according to the wiring diagram in the left.

6 Secure the fixture to the mounting surface with long screws

7 Brush coating covers embedded extension
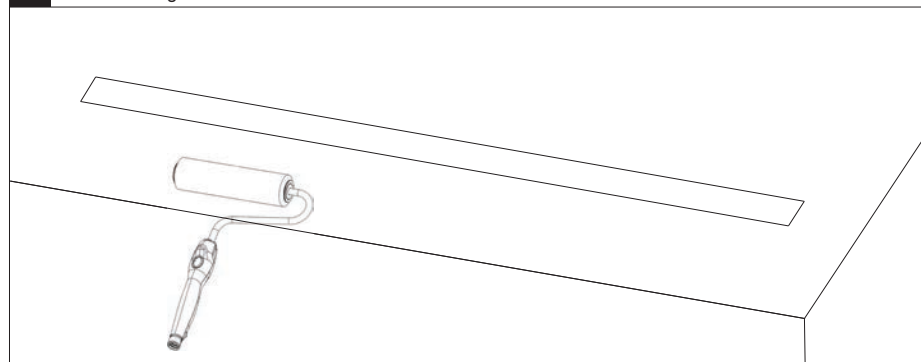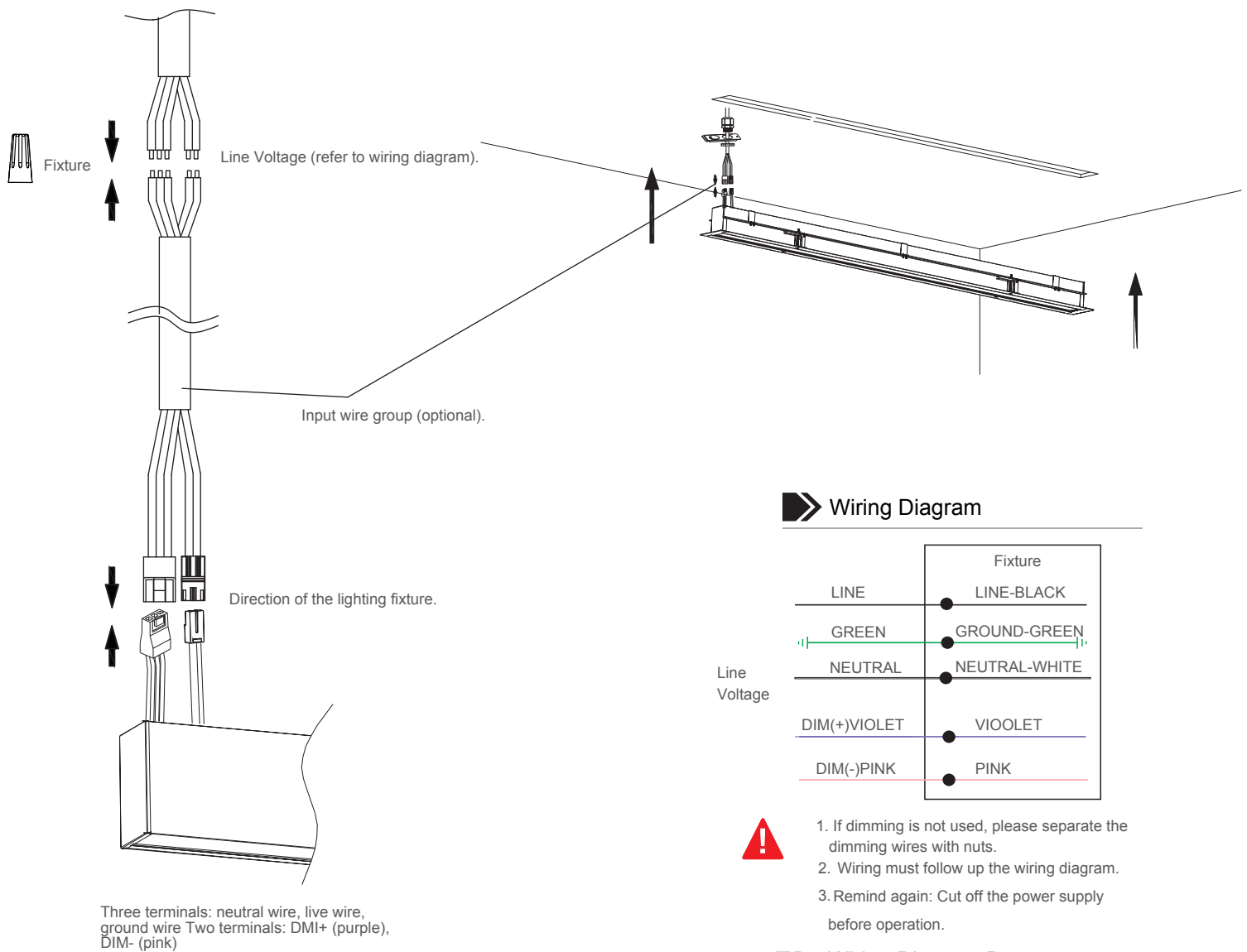
JS LED®

Architectural LED Linear Fixture

Fixture

Line Voltage (refer to wiring diagram).

Input wire group (optional).

Direction of the lighting fixture.

Three terminals: neutral wire, live wire, ground wire Two terminals: DMI+ (purple), DIM- (pink)

▶▶ Wiring Diagram

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

Line Voltage

⚠ 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)

J Wire Nuts

K Ties

L Wires accessories

JS LED®
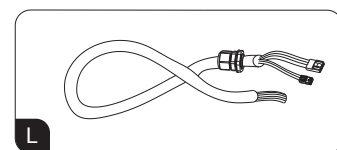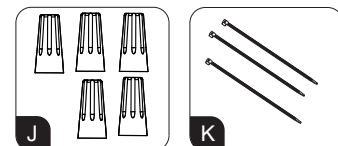
Architectural LED Linear Fixture
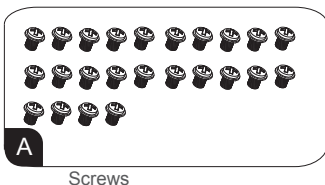
1 2FT Embedded installation accessories

A — Screws

B — Embedded Side Cover

C
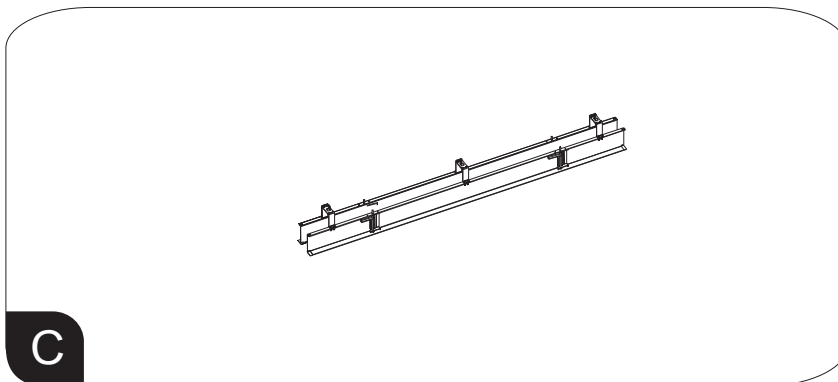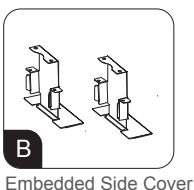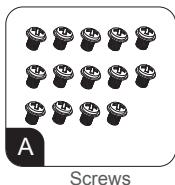
Embedded Mounting Bracket

2 4FT Embedded installation accessories

A — Screws

B — Embedded Side Cover

C
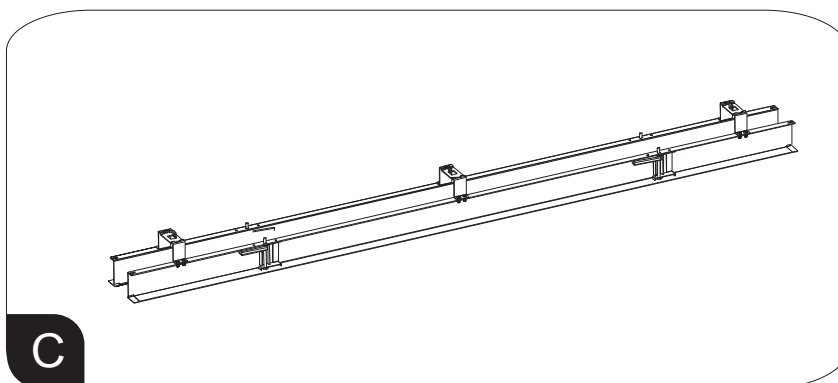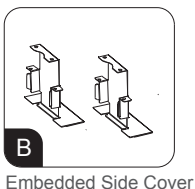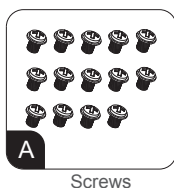
Embedded Mounting Bracket

3 8FT Embedded installation accessories

A — Screws

B — Embedded Side Cover

C

Embedded Mounting Bracket

JS LED®
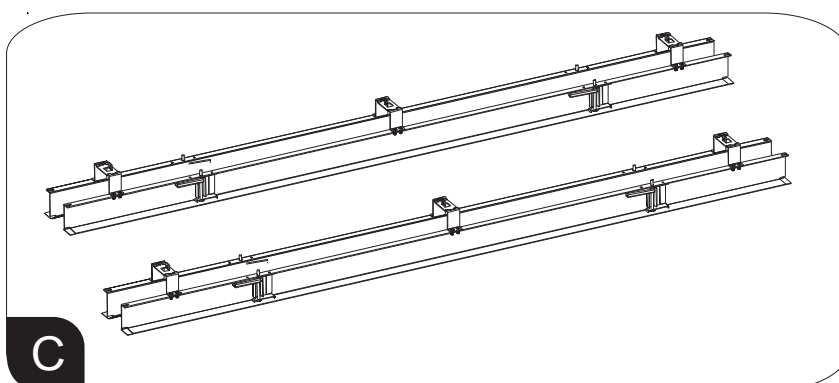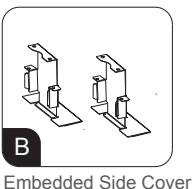
Architectural LED Linear Fixture

Wall Mounting

Safety Instructions

1, Read this instruction carefully before installation
2, Installation should be in accordance with national and local electrical laws and regulations
3, Product should installed by qualified and licensed electrician
4, Do not install in humid places, for dry and non-humid environments only.
5, Always turn off the power supply before installation or maintenance
6, To reduce the risk of fire and overheating, make sure all connections are tight
7, Fixtures should not covered with thermal insulation pads or similar materials at any circumstance
8, Do Not use out doors
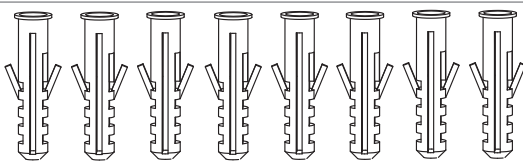
Parts List:
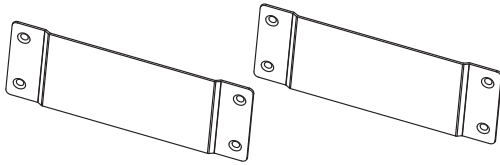
Mounting plate A
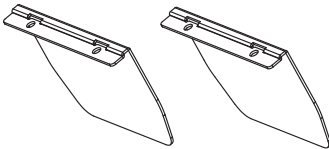
Mounting plate B
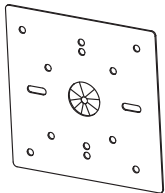
Decorative plate
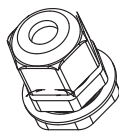
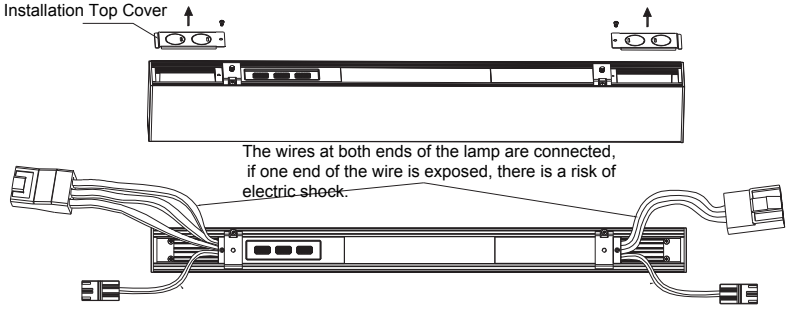Anti-stretch head
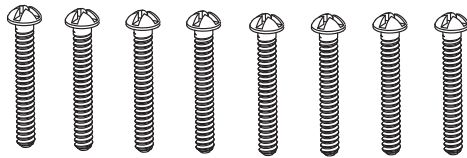
Long screw

Anchors

Short screw

Mounting Steps

Cautions before Installation Top Cover

!

The wires at both ends of the lamp are connected, if one end of the wire is exposed, there is a risk of electric shock.

1, Open the top cover and check if the wires at both ends are securely connected to the terminals.
   Do not use if the wires are exposed.
2, Please turn off the power before testing the operation of the lighting fixtures, and do not touch any part of the fixtures to avoid the risk of electric shock.
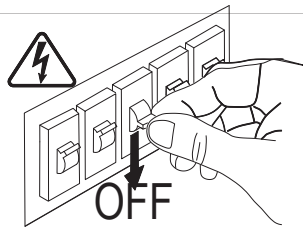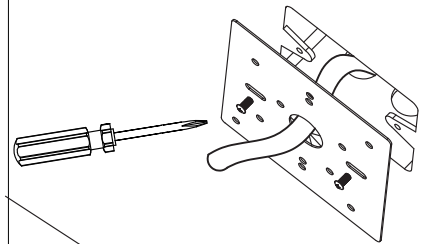
Wiring Direction Indication:

Top Cover   End with Control Board   End without Control Board
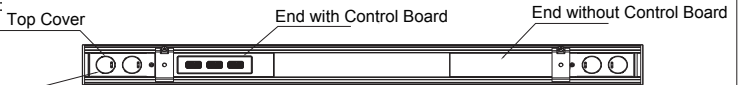
When connecting to the mains power, please connect it from one end of the control board.
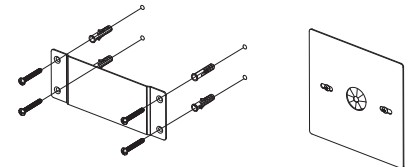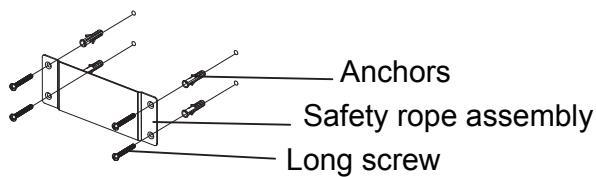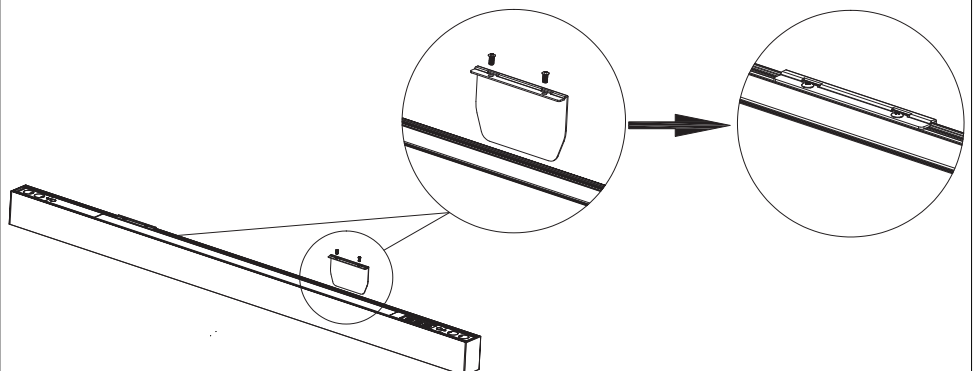
Installation intructions

1. Turn off the power.

OFF

2.Pull out the wire and lock the trim.

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

Anchors
Safety rope assembly
Long screw
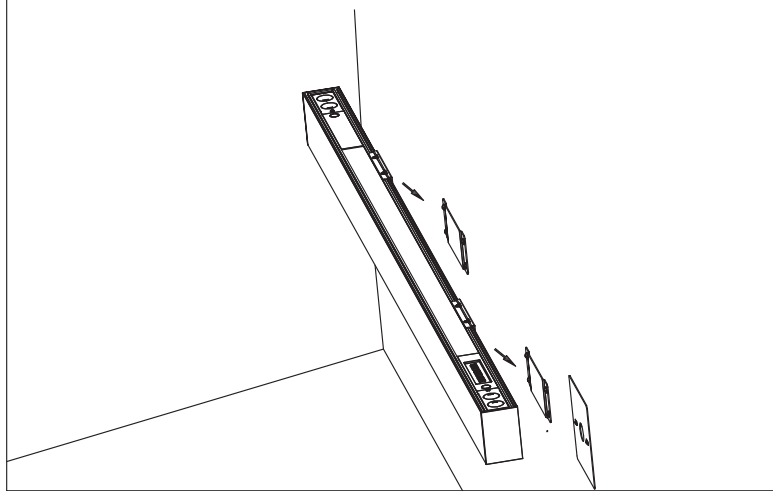
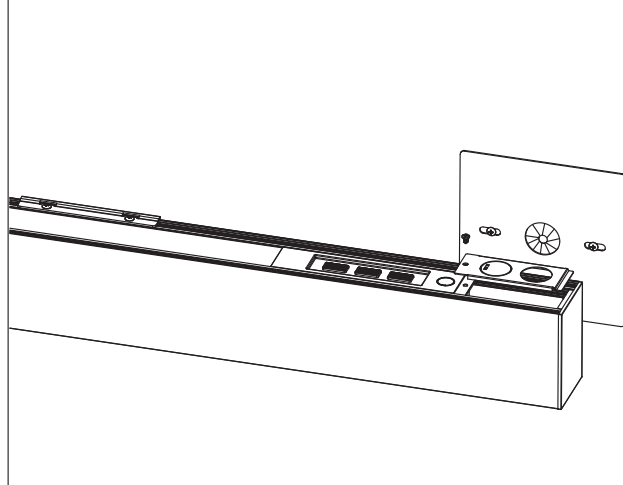4.Install mounting board B on the lamp body according to the position of mounting board A.

Architectural LED Linear Fixture

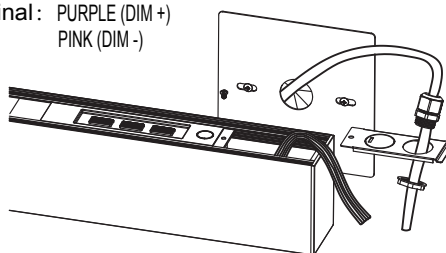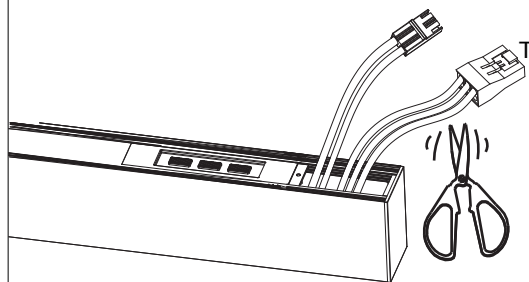5.Insert mounting plate B on the light fixture into mounting plate A on the wall.

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

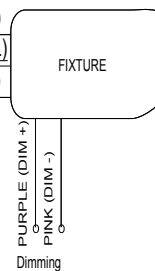

7.Cut off one end of the terminal as required for wiring.

Three-position terminal： BLACK (LINE)
WHITE (NEUTRAL)
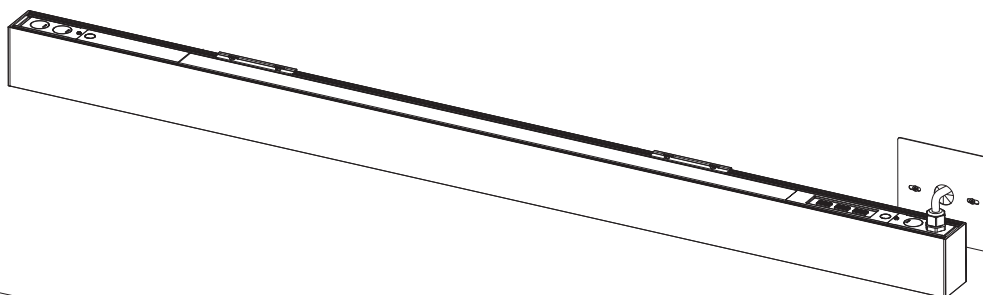GREEN(GRD)

Two terminal： PURPLE (DIM +)
PINK (DIM -)

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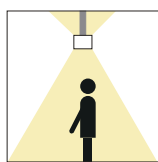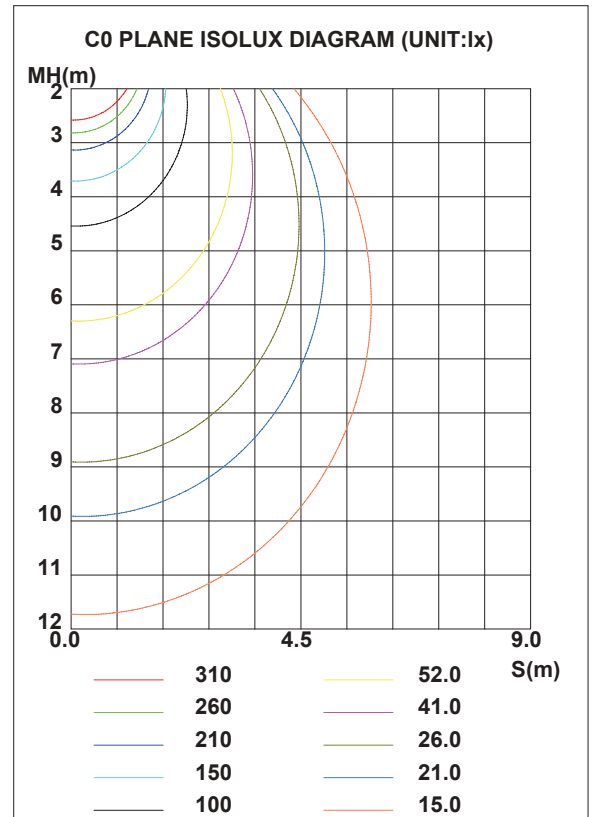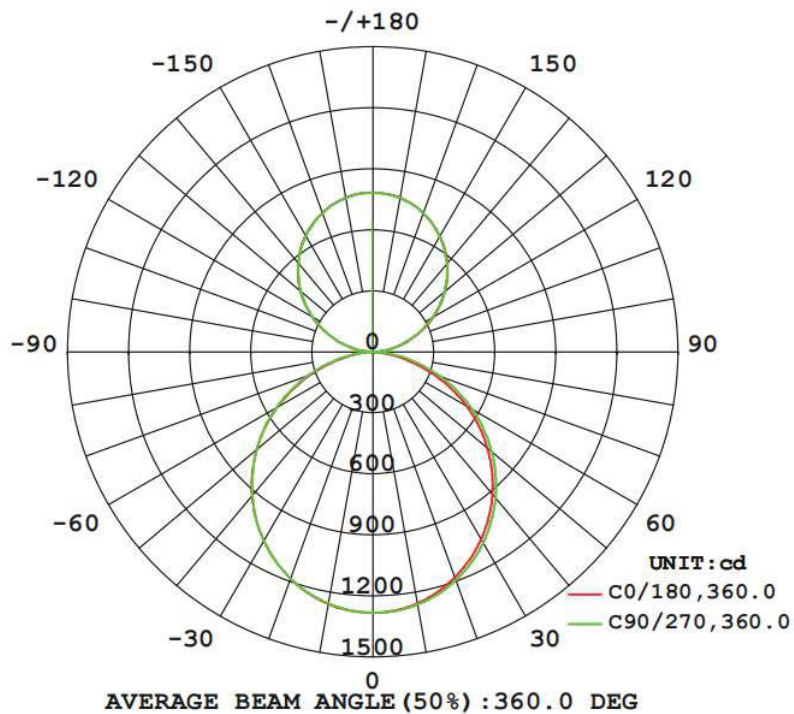GREEN(GRD)

FIXTURE

ToSource
120V-277V/
120V-347V

PURPLE (DIM +)
PINK (DIM -)

Dimming

8.Installation complete.

JS LED®

Testing Report

-/+180
-150   150
-120   120
-90   90
0
300
600
900
1200
1500
-60   60
-30   30
0

UNIT:cd
— C0/180,360.0
— C90/270,360.0

AVERAGE BEAM ANGLE (50%):360.0 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)

MH(m)
2
3
4
5
6
7
8
9
10
11
12
0.0   4.5   9.0
S(m)

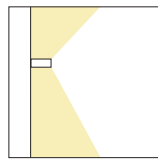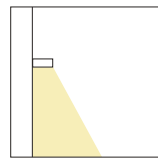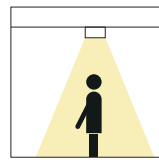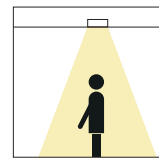|	
310	52.0
260	41.0
210	26.0
150	21.0
100	15.0
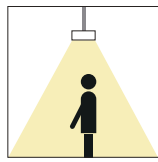
Pendant (Up&down)

Pendant (Down)

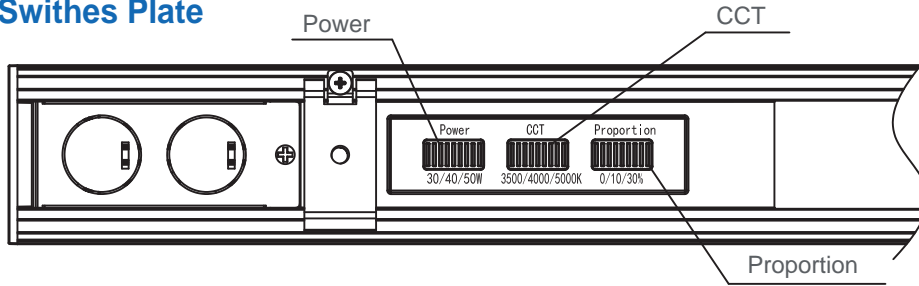Wall mounted (Up&down)

Wall mounted (Down)

Surface mounted

Recessed

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

JS LED®

Architectural LED Linear Fixture

Swithes Plate

Power

CCT

Power	CCT	Proportion
30/40/50W	3500/4000/5000K	0/10/30%

Proportion

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

• Tiny PIR Sensor with/out Bluetooth-lesh, Microwave Ver sion Interchangeable.
• Audio-Jack Classic Connection, 0-10V Dimming, with Daylight Harvesting
• Suitable for Indoor Lighting, Panel, Troffer etc.

End Cap w/sensor

The microwave sensor to achieve tri-level dimming control, for same areas that require a light change notice before switch off.
If offers 3 levels of the light Control : 100%-dimming light (0,10%,30%,50%)--off;and 2 periods of selectable waiting time: motion hold-time and stand-by time, Selectable daylight threshold and choice of detection area.
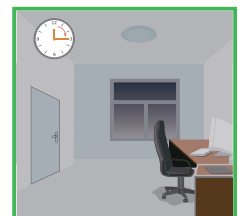
Canopy (for sensor)

With suffcient natural light, the light does not switch on when presence detected.
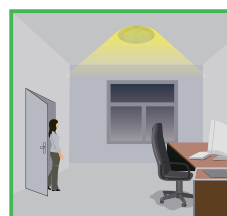
With insufficient natural light, the sensor switches on the light automatically when person enters room
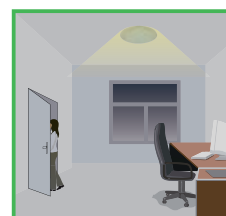
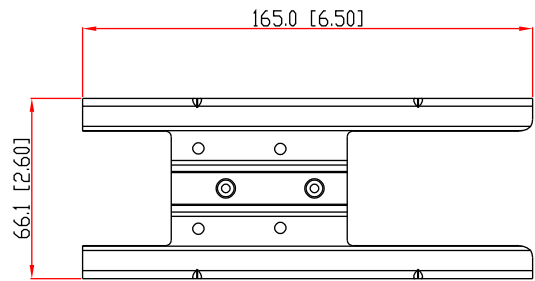People left,light still dims to 0/10%/30%/50% (options) standby level after the hold

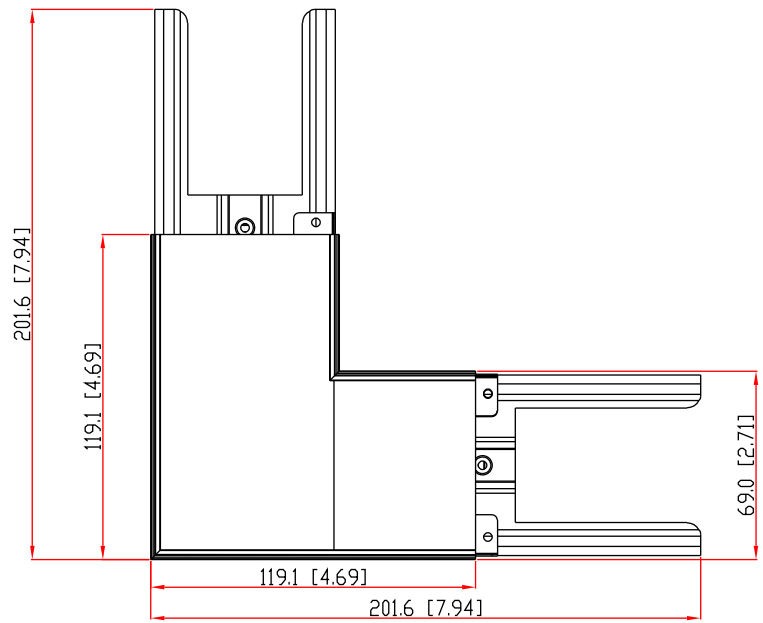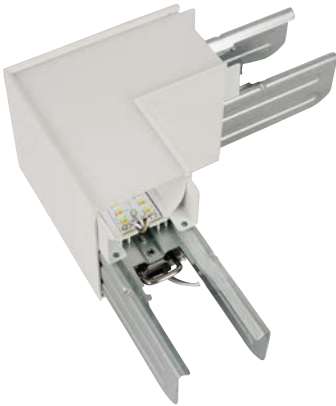Light switches off automatically after after stand-by time elapsed.

Accessories

"—"joiner

165.0 [6.50]

66.1 [2.60]

" L "joiner

201.6 [7.94]

119.1 [4.69]

69.0 [2.71]

119.1 [4.69]

201.6 [7.94]

" T "joiner

69.0 [2.72]

119.1 [4.69]

169.1 [6.66]

"X"joiner

69.0 [2.72]

334.1 [13.15]

169.1 [6.66]

比例 1.000

169.1 [6.66]

334.1 [13.15]

"V60"joiner

69.0 [2.72]

170.2 [6.70]

170.2 [6.70]
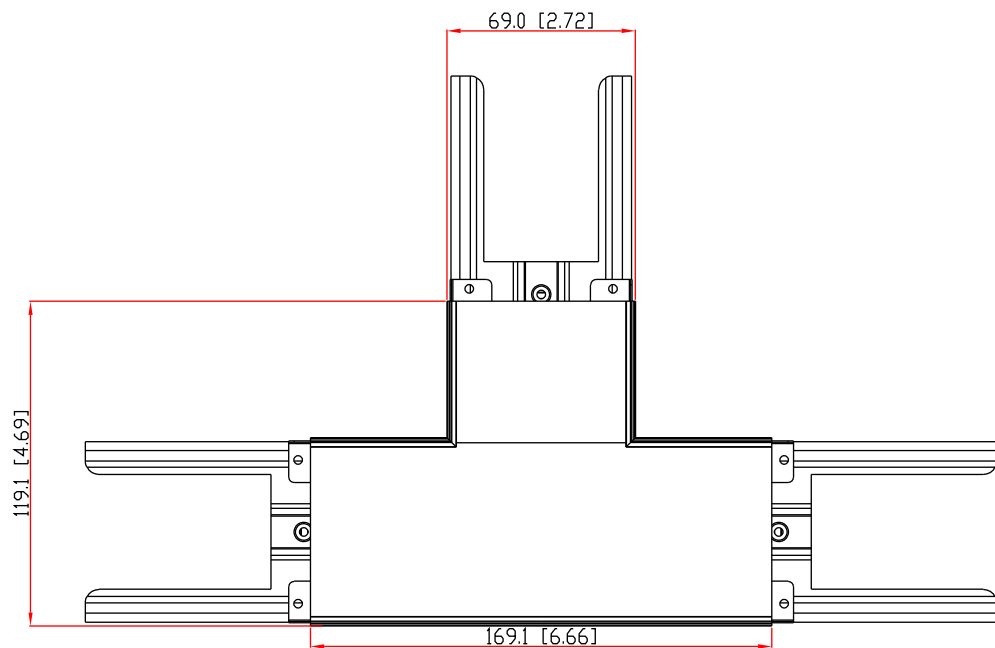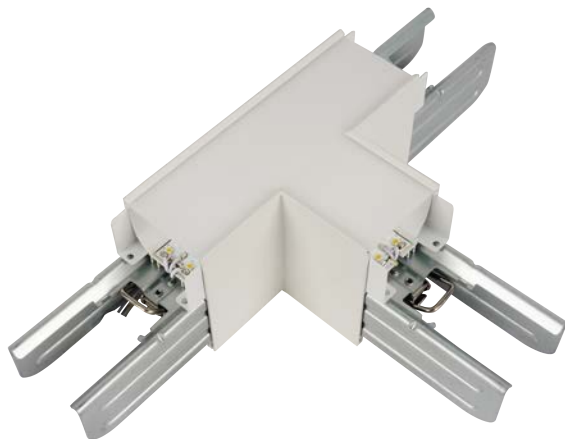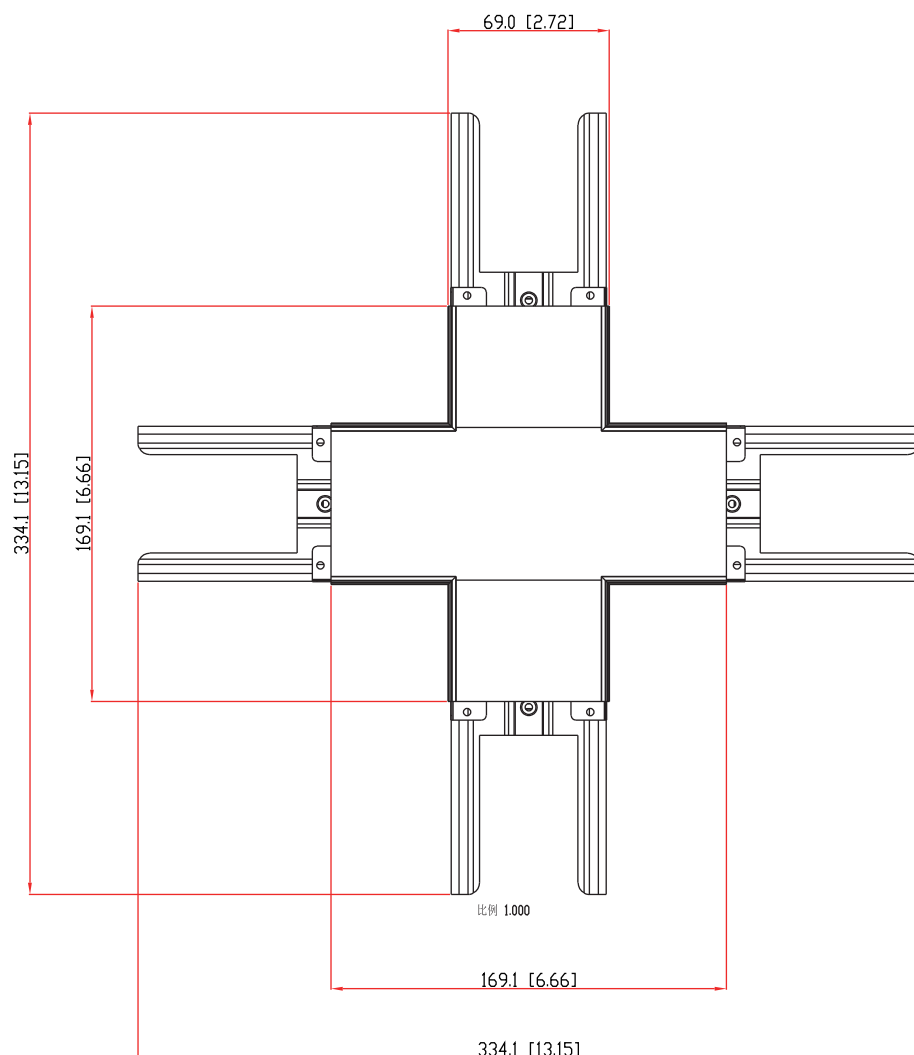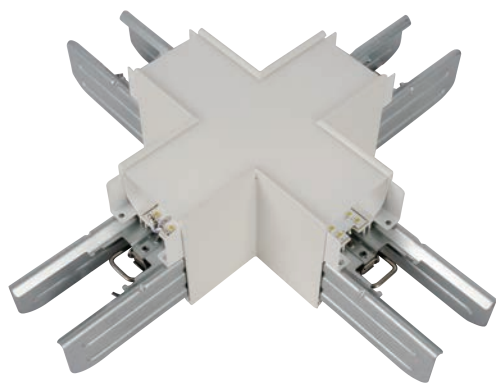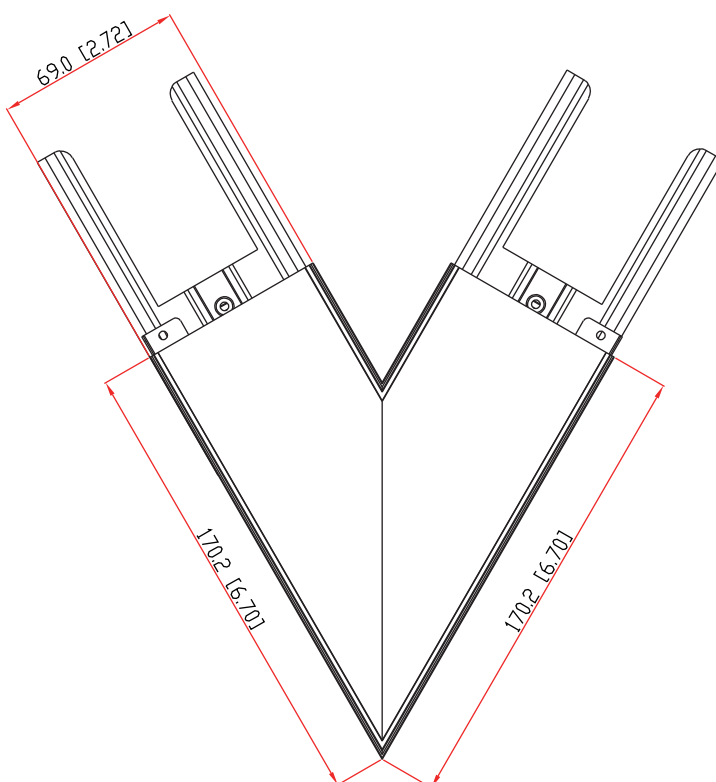
Architectural LED Linear Fixture

"v120"joiner

298.0 [11.73]

145.0 [5.71]

69.0 [2.72]

"Y'Joiner

298.0 [11.73]

258.1 [10.16]

50.5 [1.99]

JS LED®
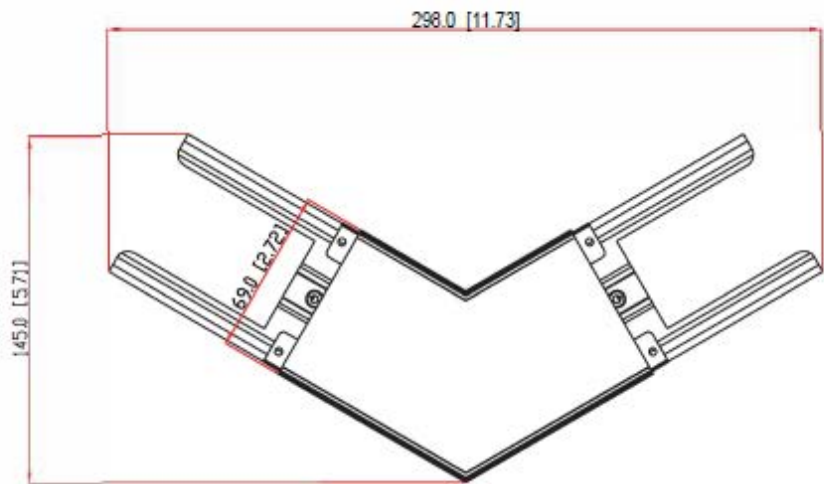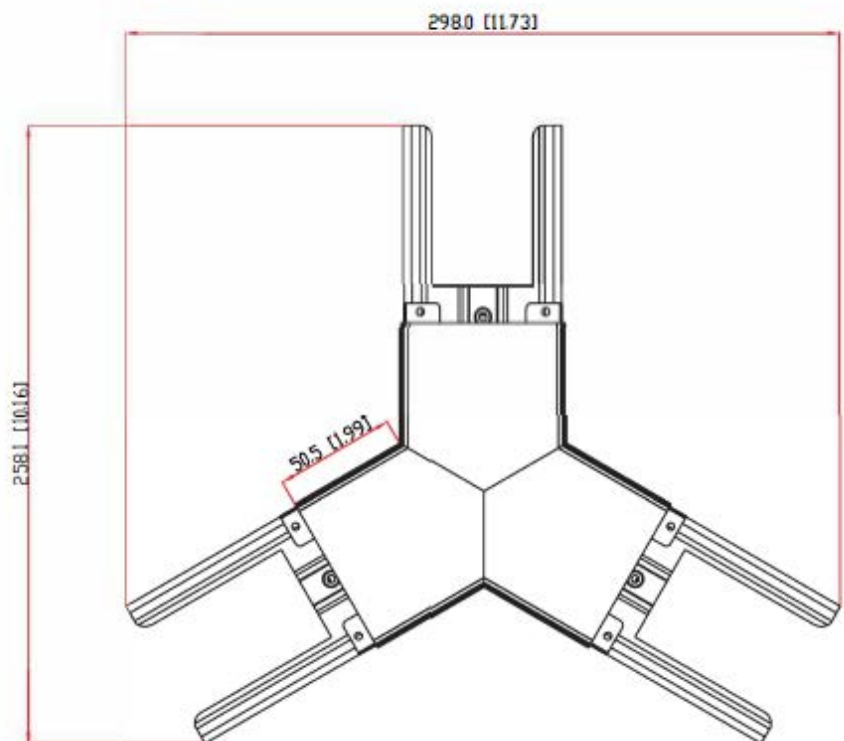
Architectural LED Linear Fixture

"I "joiner

202.0 [7.95]
69.0 [2.72]

Accessories

Surface-mounted kits	Wall-mounted kits 1	Wall-mounted kits 2	Roll-out Lens
Assembled T-Grid Cllips	Conduit-mounted kits	Aircraft Cable	Emergency Driver

Canopy(for sensor)

End Cap wisensor

ALF-Cable Black

ALF-Cable White

Recessed Mounting Kits

Packing /weight

	Inner box (L*W*H)	Outer box (L*W*H)	Qty/CTN (pcs)	N.W./pcs (lbs/kg)	G.W./CTN (lbs/kg)	Remark
2ft	24.3"* 3.8"*4.3" 618*97*110mm	24.9"* 16.1"*14.5" 633*410*368mm	12	2.98/1.35	38.1/17.3	
4ft	46.9"* 3.8"*4.3" 1190*97*110mm	47.4"* 16.1"*14.5" 1205*410*368mm	12	4.30/1.95	56.0/25.4	With inner box
8ft	91.9"* 3.8"*4.3" 2335*97*110mm	92.5"* 12.2"* 9.8" 2350*310*250mm	6	8.16/3.70	58.4/26.5	