

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)
- The RGBCW option integrates with existing DMX512 control systems so you can upgrade your lighting without a complete overhaul (Universal voltage: 120-277V)
- Can use Tuya Smart APP (Universal voltage: 120-277V)



Dimensions:

2.75" W x 3.15" H



Fixture linking:

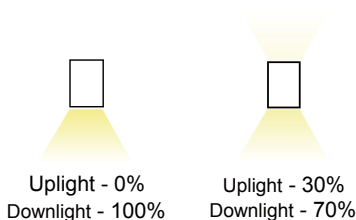
Max. linkable quantity

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:



Connector Options:

SZ-ALF-Joiner (02)
"—" Joiner



SZ-ALF-L (RGBCW 02)
Illuminated "L"



SZ-ALF-T (RGBCW 02)
Illuminated "T"



SZ-ALF-X (RGBCW 02)
Illuminated "X"



SZ-ALF-V60 (RGBCW 02)
Illuminated "V60"



SZ-ALF-V120 (RGBCW 02)
Illuminated "V120"



SZ-ALF-Y (RGBCW 02)
Illuminated "Y"



SZ-ALF-I (RGBCW 02)
Illuminated "I"



Remark : Z=Black or White

Architectural LED Linear Fixture

ORDERING GUIDE

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

Company Code	Fixture Type	Wattage	Size	ACP (RGBCW 02)
SZ Company Name	ALF Architectural LED Linear Fixture	30W 50W 100W	2FT 2' 4FT 4' 8FT 8'	RGBCW RGB+(2700K-6500K)

Specifications

Housing

One-piece extruded aluminum with PS Lens., Damp Location

Mounting

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

Electrical

Standard 120V - 277V
PF > 0.9. THD <20%.

CCT

RGB+ 2700K-6500K

Operating Temperature

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

Efficacy

110 lumens per watt.

Lifespan

L70 >50,000 Hours at 25°C (77°F).

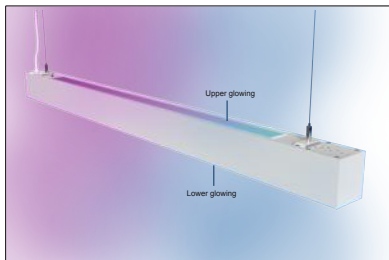
Certifications

UL Listed, IP40

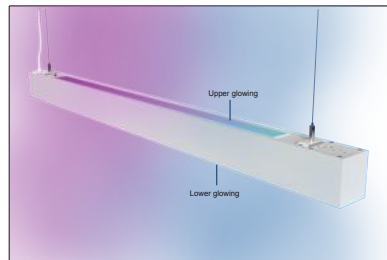
Warranty

5-year limited warranty.

Options

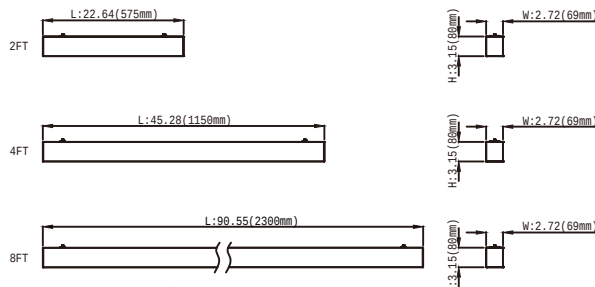


RGBCW (DMX512)



RGBCW (Tuya Smart APP)

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

Architectural LED Linear Fixture

Safety Instructions

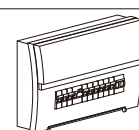
To ensure correct function and safety, please read and follow all instructions carefully before using the product:

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. All wiring and installation of the light fitting must adhere
5. Take care not to pull any electrical wires during unpacking as this may damage the connecto local and national wiring rule stion.
6. Lay out all the components on a smooth surface and make sure there are no components missing before assembling.
7. To avoid injury or damage to the fitting, please ensure that power leads and screws are secure before connecting the power.
8. 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

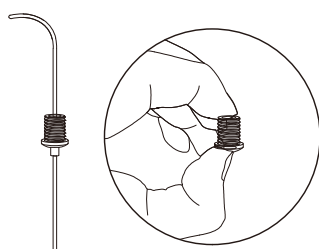
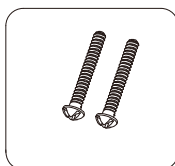
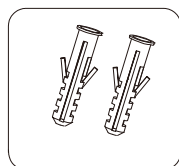
Turn Off power supply before starting any installation, Read instructions & check you have all the tools & accessories to complete the installation correctly.

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 30%+Down 70%, , two lighting distribution ways switchable.
3. Unique end cap simplifies installation, seamless continuous runs or individuals.

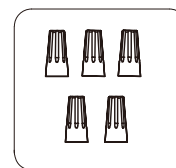
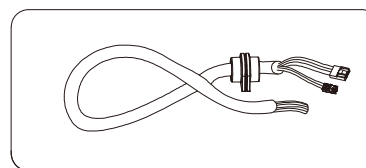
Pendant Mount

Accessories List



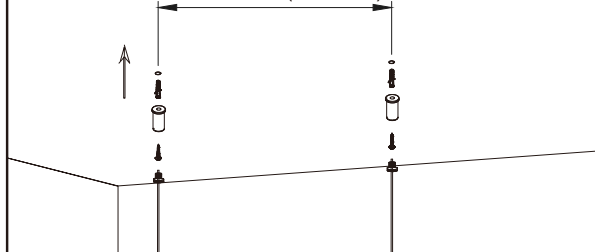
Press to adjust the length of the suspension wire

Driver's wires package(optional)

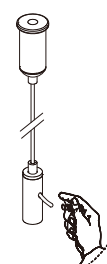


1. Fixing the hook and suspending the lamp.

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

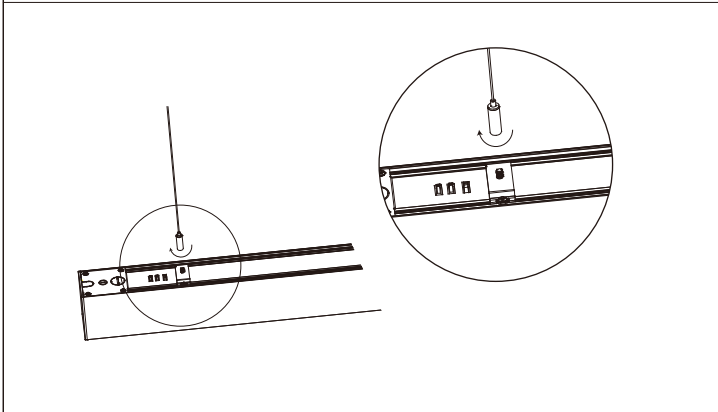


2. Adjusting the hanging rope length.

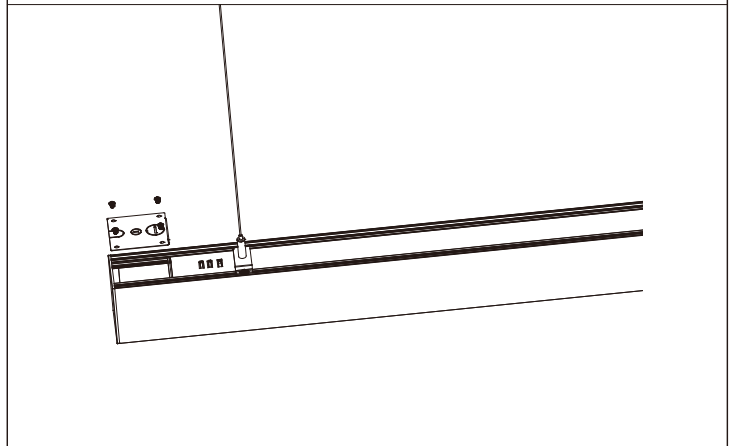


Architectural LED Linear Fixture

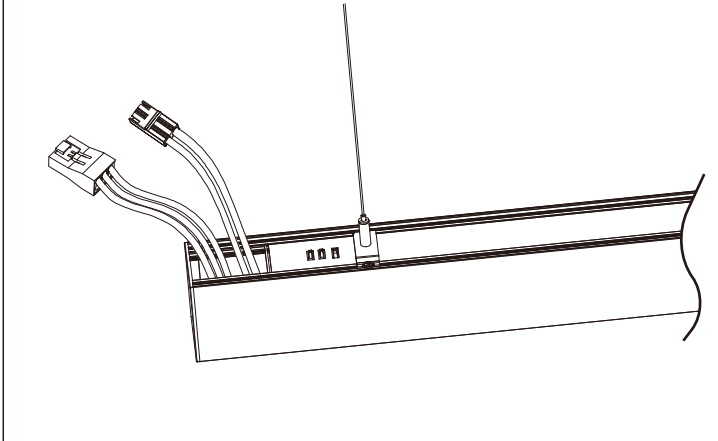
3. Use M5 square screw and M5 fixed head to fix LED strip light.



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



5. Take out wire.



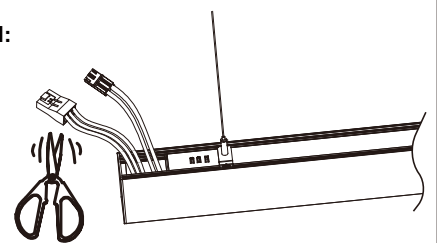
6. Cut off the corresponding terminals as required.

Three-position terminal:

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

Two terminal:

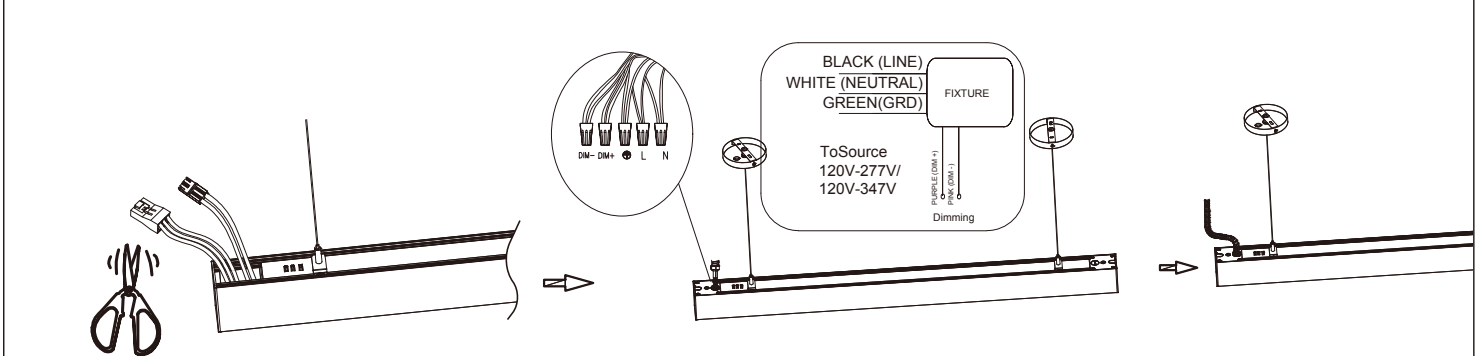
PURPLE (DIM +)
PINK (DIM -)



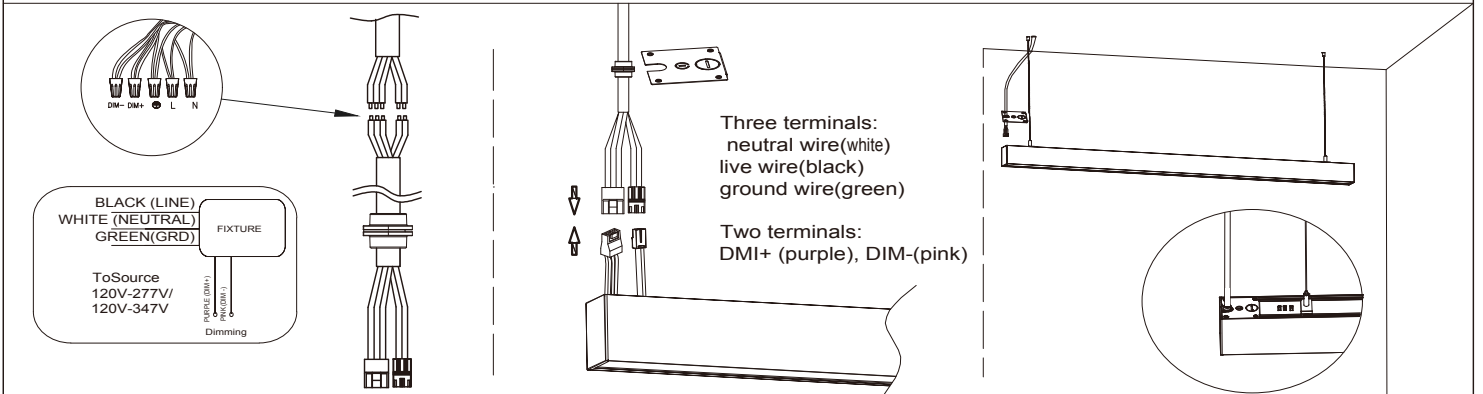
1. After cutting off the connecting terminals, the lighting fixture will no longer be able to link with other fixtures through terminals.
2. After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring.

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.



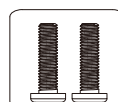
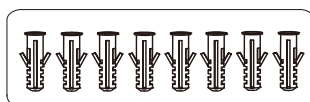
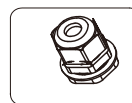
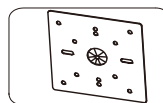
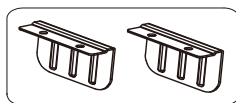
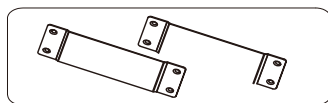
Input wire group (optional)



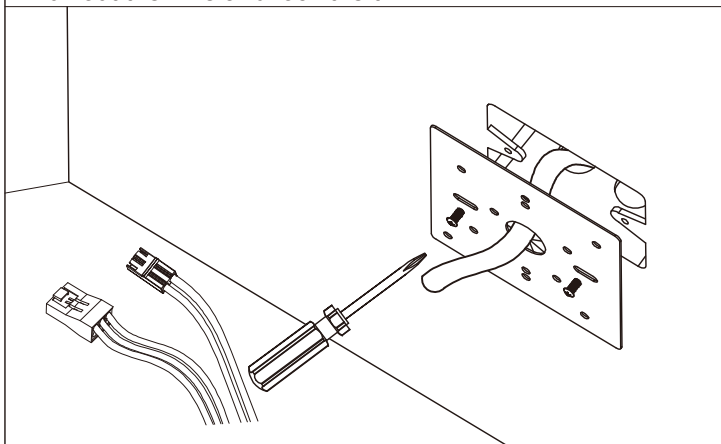
Architectural LED Linear Fixture

Wall Mount

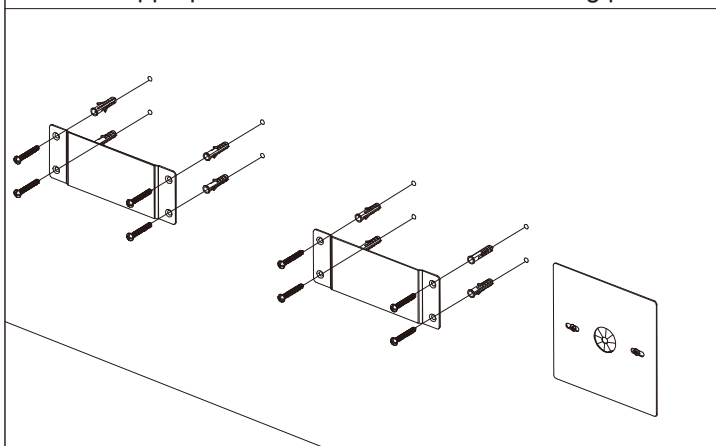
Accessories List



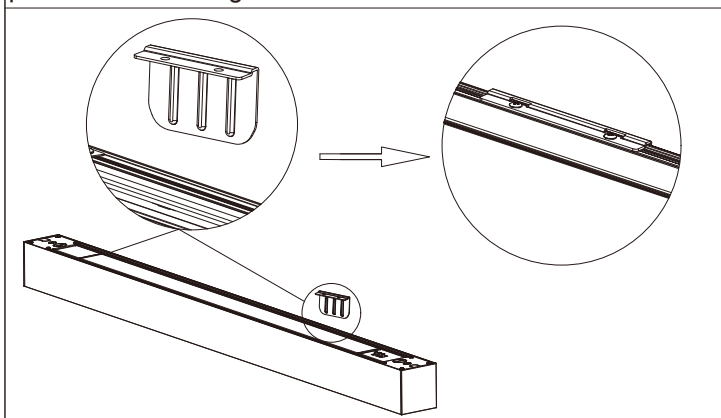
1.Pull out the wire and lock the trim.



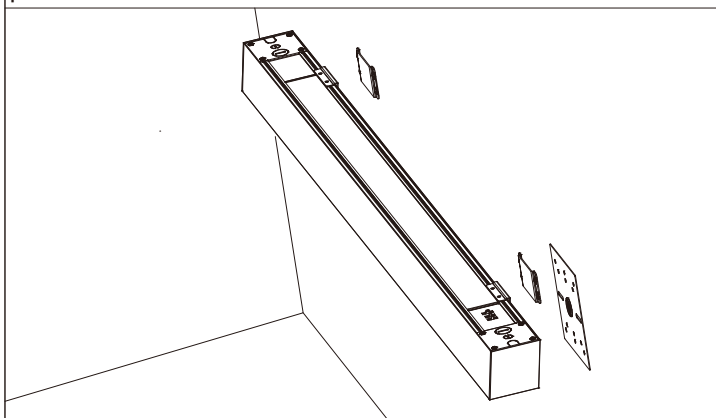
2.Set the appropriate distance and install mounting plate A.



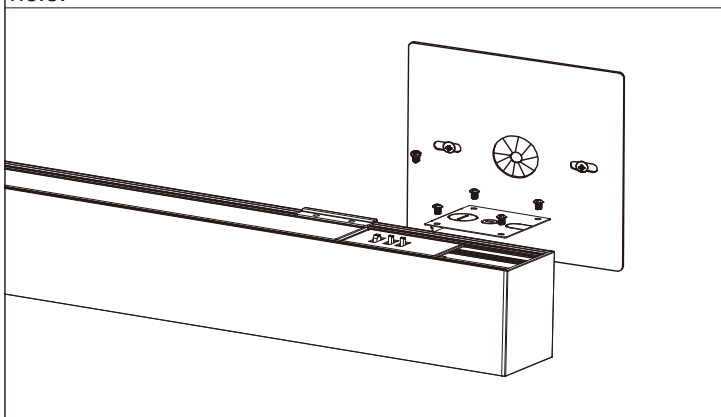
3.Install mounting board B on the lamp body according to the position of mounting board A.



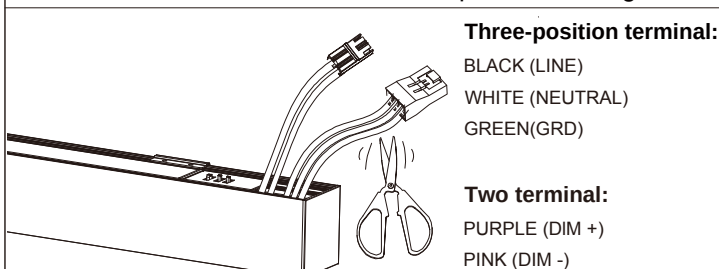
4.Insert mounting plate B on the light fixture into mounting plate A on the wall.



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



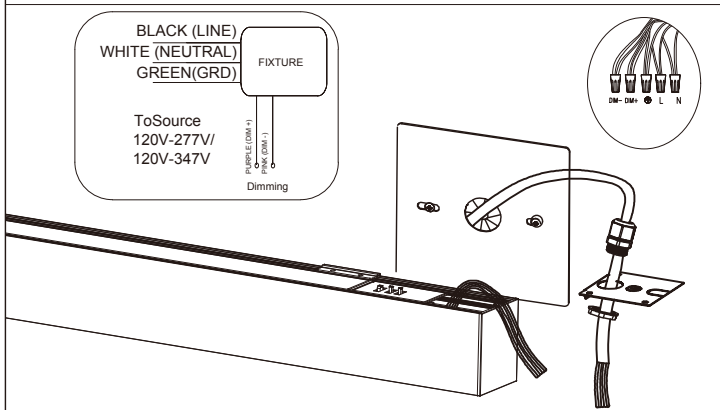
6.Cut off one end of the terminal as required for wiring.



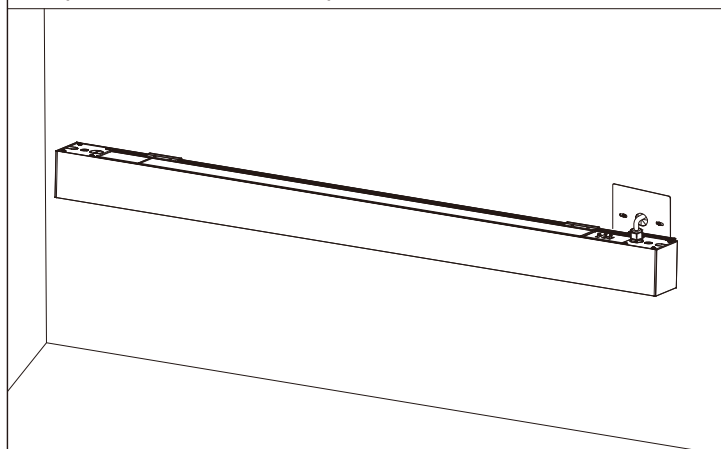
- 1.After cutting off the connecting terminals,the lighting fixture will no longer be able to link with other fixture through terminals.
- 2.After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring

Architectural LED Linear Fixture

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

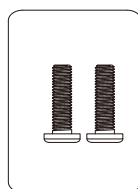
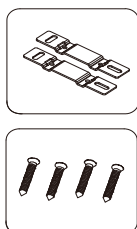
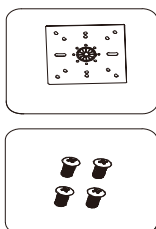


8. Open the end of the lamp to be connected.

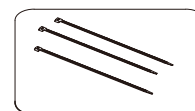
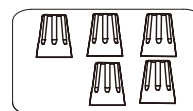


Surface Mount

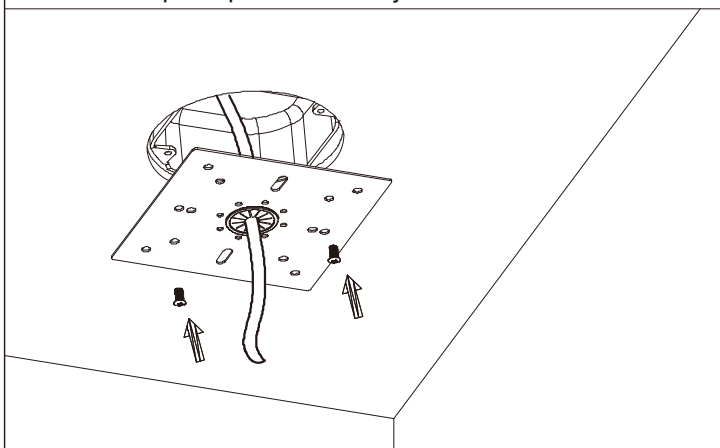
Accessories List



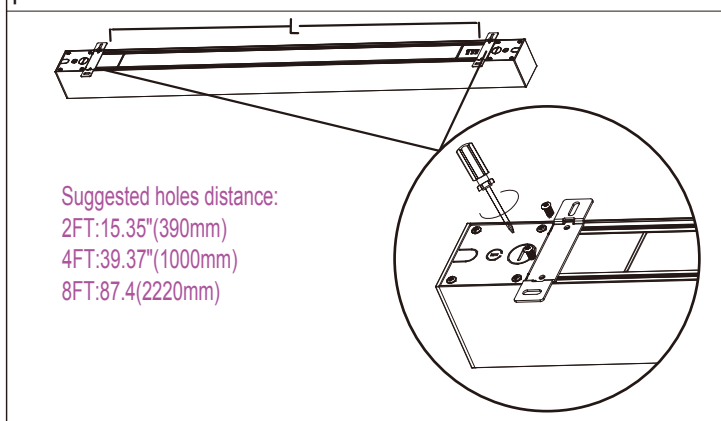
Driver's wires package(optional)



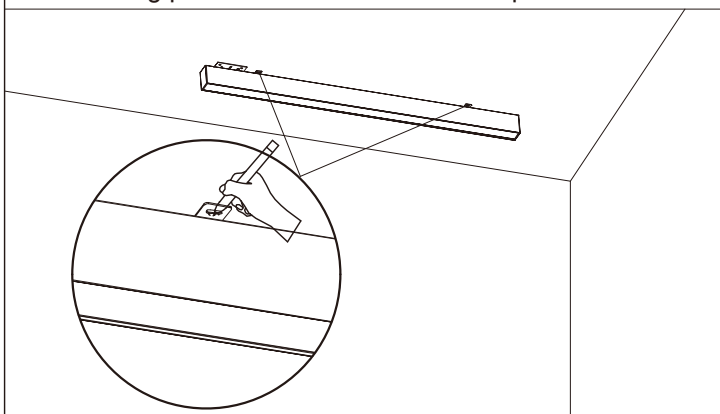
1. Attached square plate onto the junction-box with screws.



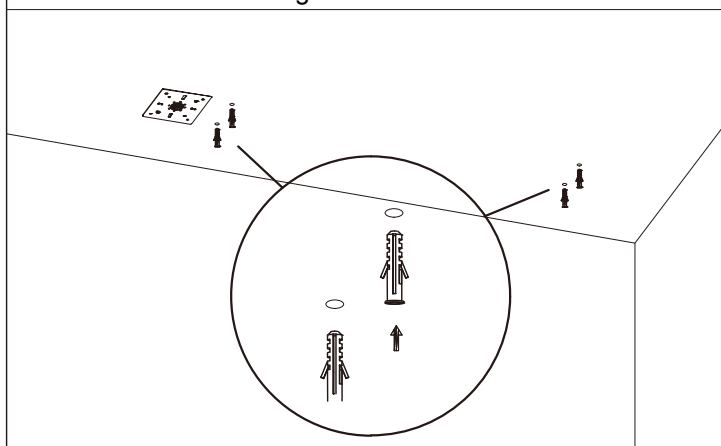
2. Fix the 2 surface-mounted brackets to fixtureback with provided short screws.



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.



Architectural LED Linear Fixture

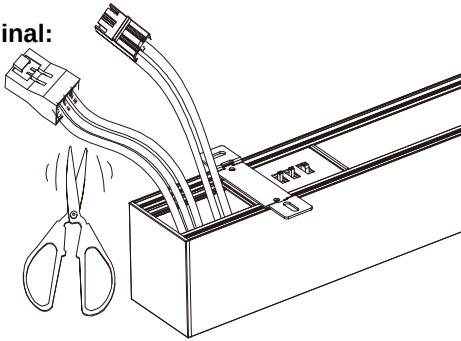
5. Cut off the corresponding terminals as required

Three-position terminal:

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

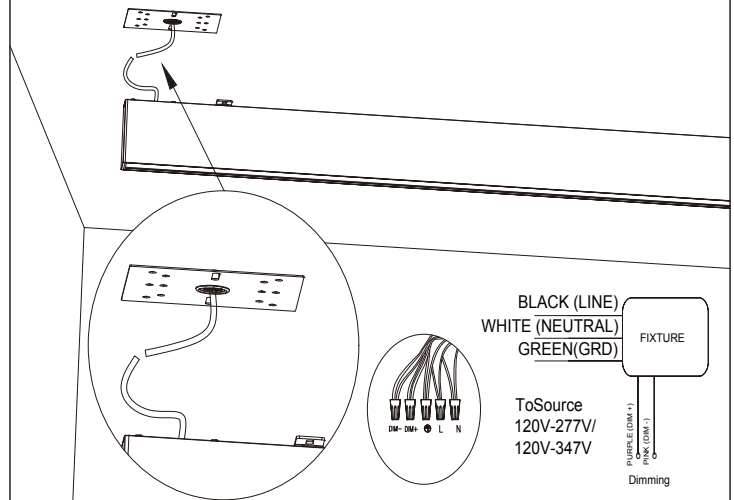
Two terminal:

PURPLE (DIM +)
PINK (DIM -)

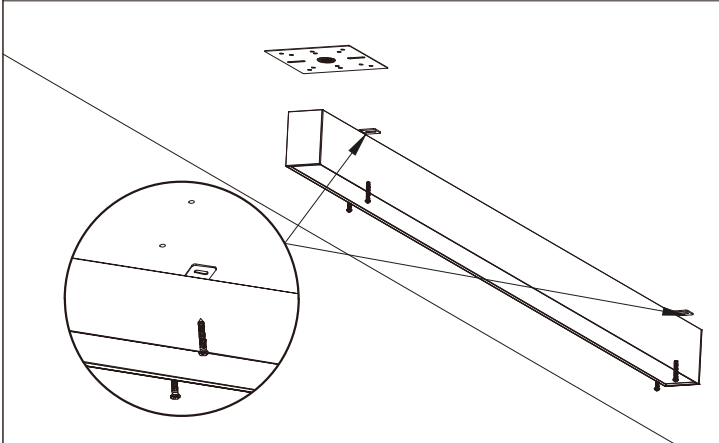


1. After cutting off the connecting terminals, the lighting fixture will no longer be able to link with other fixtures through terminals.
2. After cutting the wires, please ensure proper protection and labeling, and avoid using them for secondary wiring.

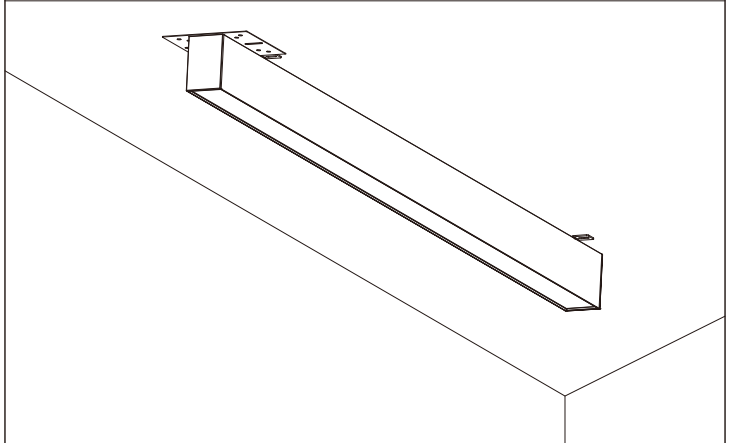
6. Open the end of the lamp to be connected.



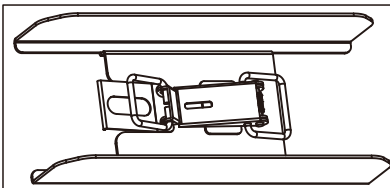
7. Secure the fixture to the mounting surface with long screws.



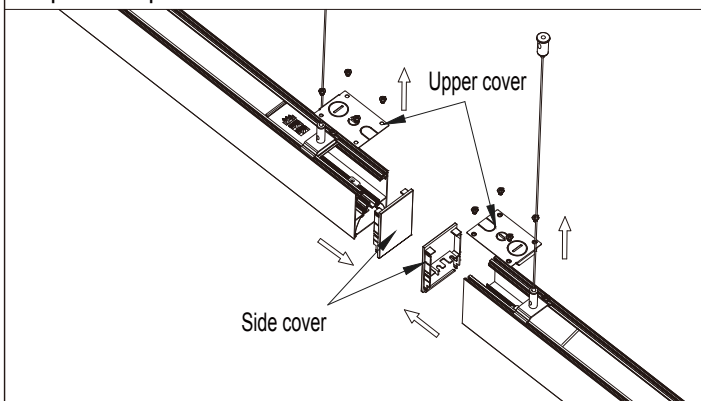
8. Installation completed.



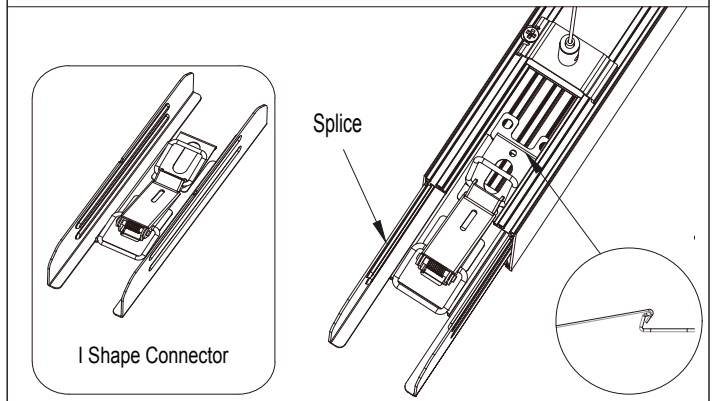
Linkable Connection Instructions



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

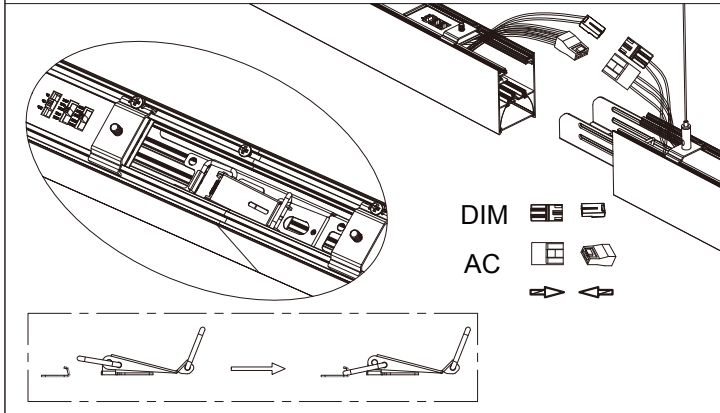


2. Insert the splicing component into the lamp and tighten the hook with the spring clip, as shown in the figure.

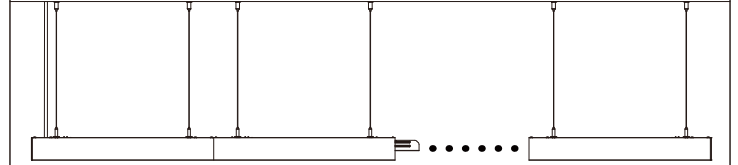


Architectural LED Linear Fixture

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



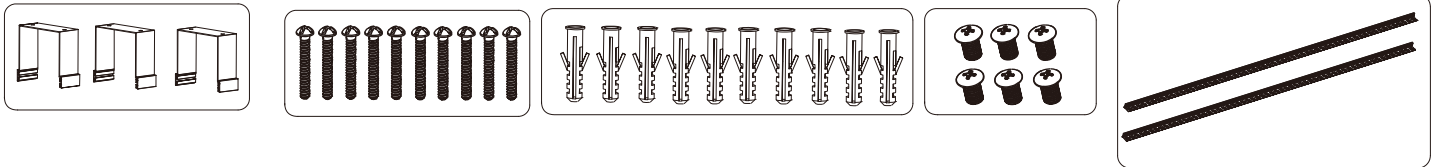
4. After assembling the required number of lamps, connect the input wires according to the lifting and wiring method, and complete the installation.



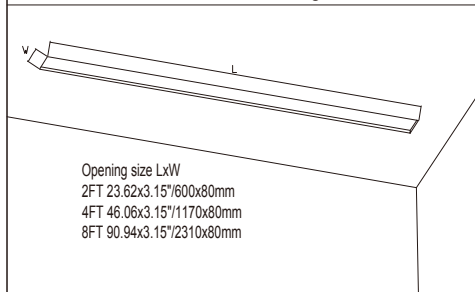
AC120-277V Splicing Qty(Max):
 2FT-40W:15PCS
 4FT-50W:12PCS
 8FT-100W:6PCS

Recessed Mounting for Mud Drywall Ceiling

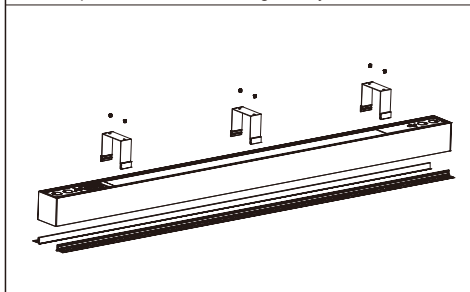
Accessories List



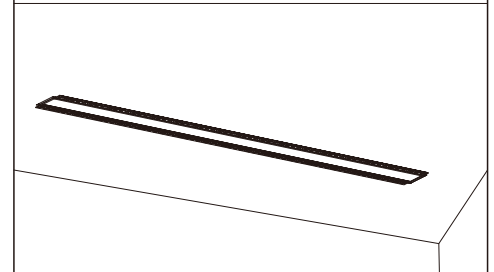
1. Reserve installation holes in the ceiling.



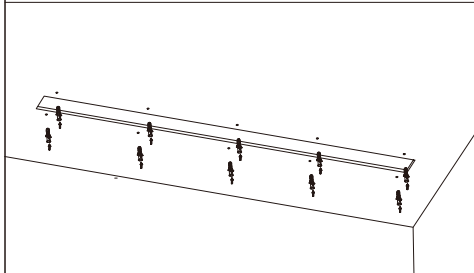
2. Fix the pre-buried lace on the light body.



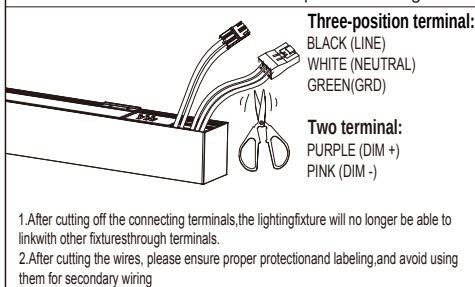
3. Put and press the fixture onto mounting surface, then mark the mounting positions from brackets, for step 4.



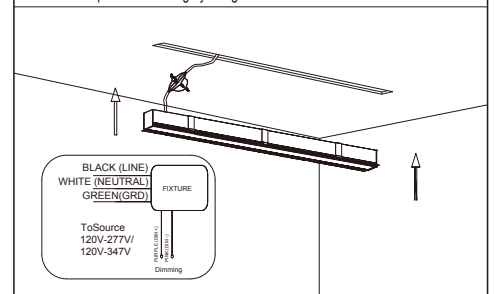
4. Drill the holes according to the marks and insert the anchors.



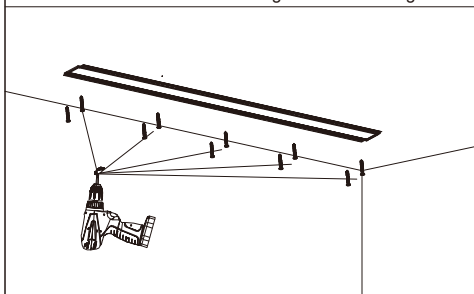
5. Cut off one end of the terminal as required for wiring.



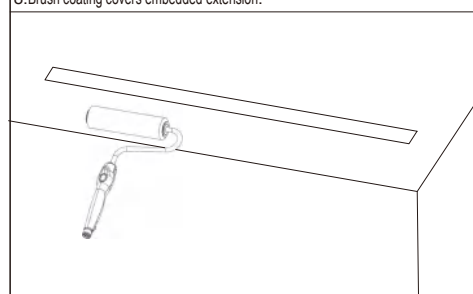
6. Turn off the power and wiring by using wire nut.



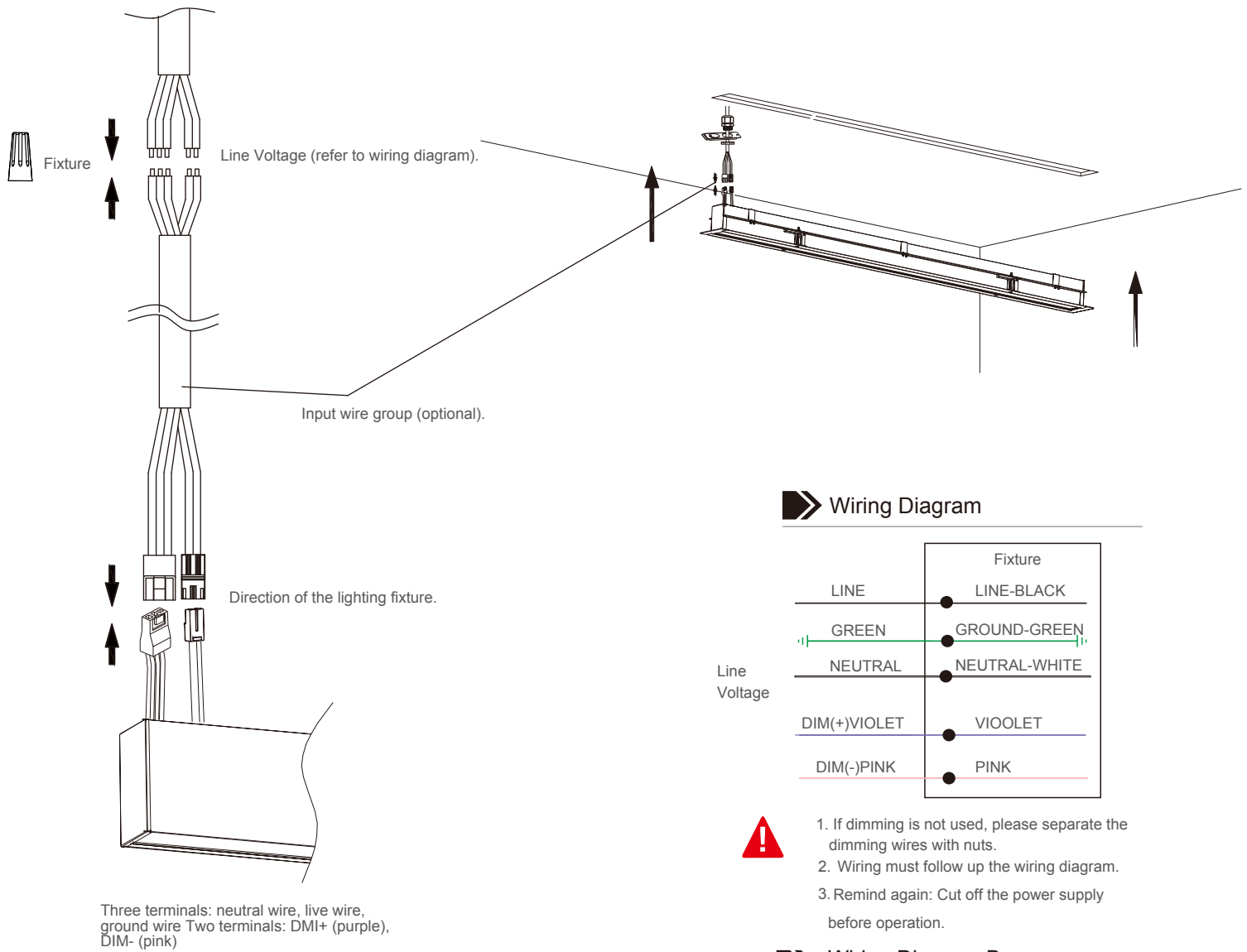
7. Secure the fixture to the mounting surface with long screws.



8. Brush coating covers embedded extension.



Architectural LED Linear Fixture



Wiring Diagram

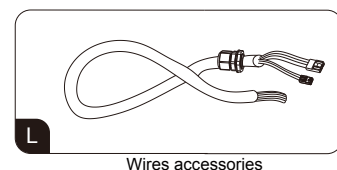
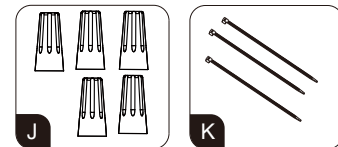
Line Voltage		Fixture	
LINE		●	LINE-BLACK
GREEN		●	GROUND-GREEN
NEUTRAL		●	NEUTRAL-WHITE
DIM(+)/VIOLET		●	VIOLET
DIM(-)/PINK		●	PINK



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.

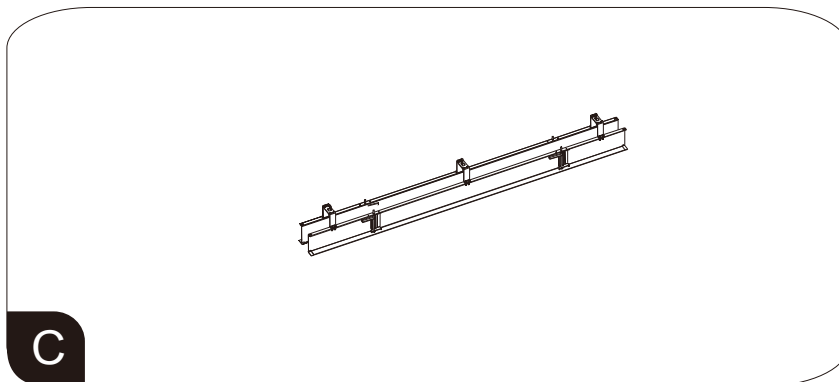
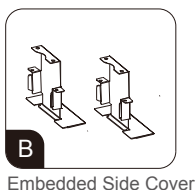
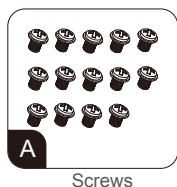
Wiring Diagram B

Driver's wires package(optional)



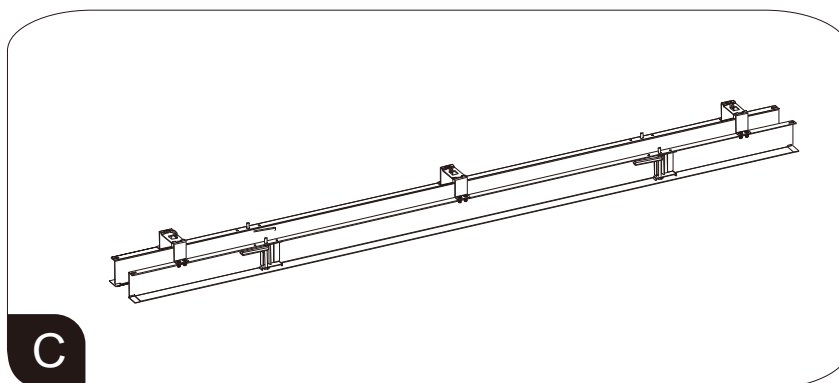
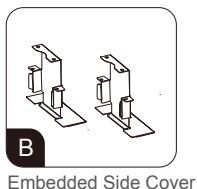
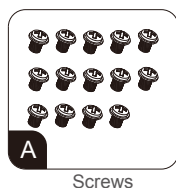
Architectural LED Linear Fixture

1 2FT Embedded installation accessories



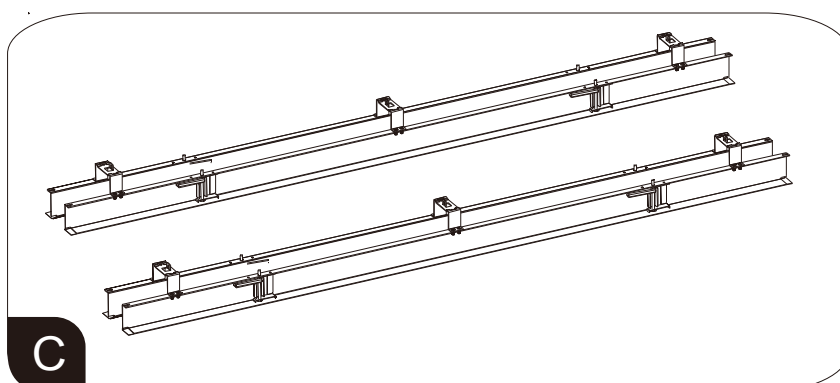
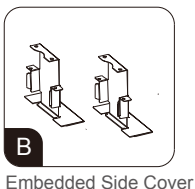
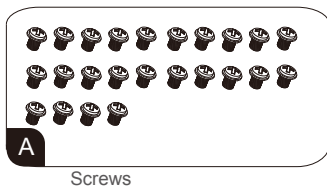
Embedded Mounting Bracket

2 4FT Embedded installation accessories



Embedded Mounting Bracket

3 8FT Embedded installation accessories

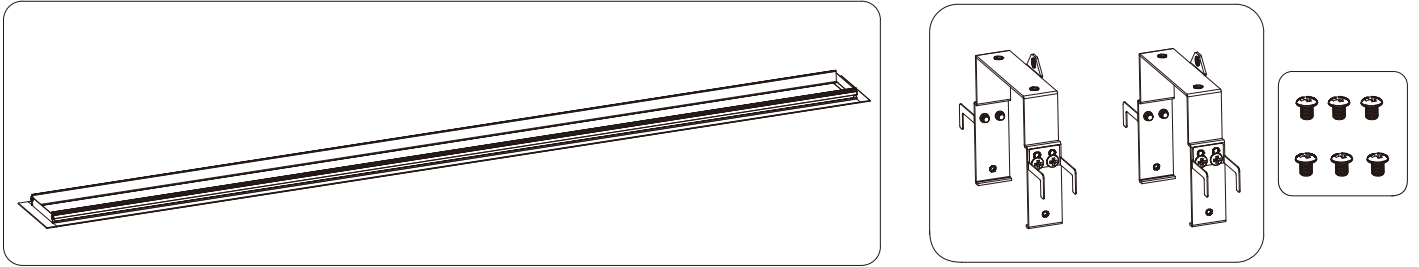


Embedded Mounting Bracket

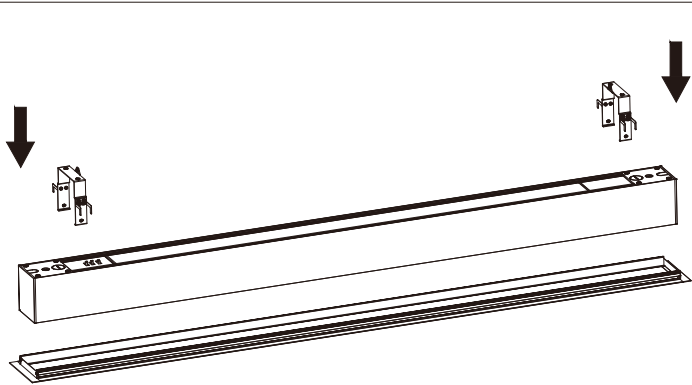
Architectural LED Linear Fixture

T-GRID RECESSED MOUNT INSTALLATION

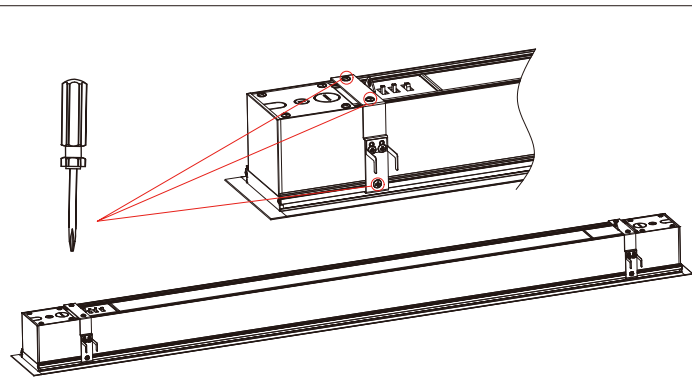
Accessories List



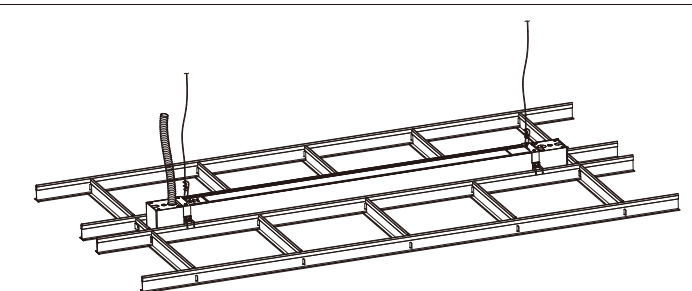
1. Fix the fixture together with the recessed trimmed mounting rail and the fixture fixing bracket.



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



5. The installation is complete.



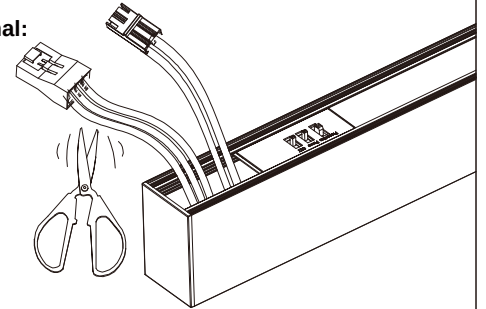
2. Cut off the corresponding terminals as required

Three-position terminal:

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

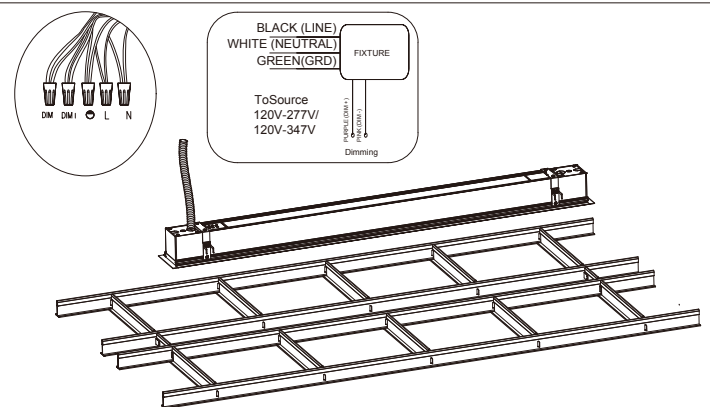
Two terminal:

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.

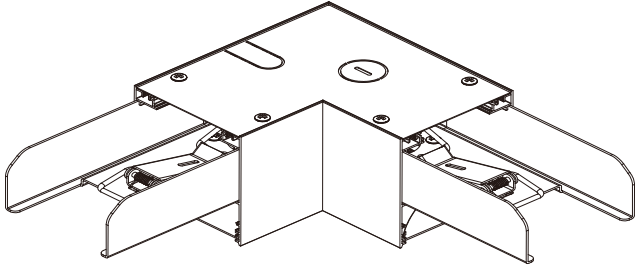
4. Connect the AC cable of the luminaire to the mains power and place the luminaire into the ceiling grid.



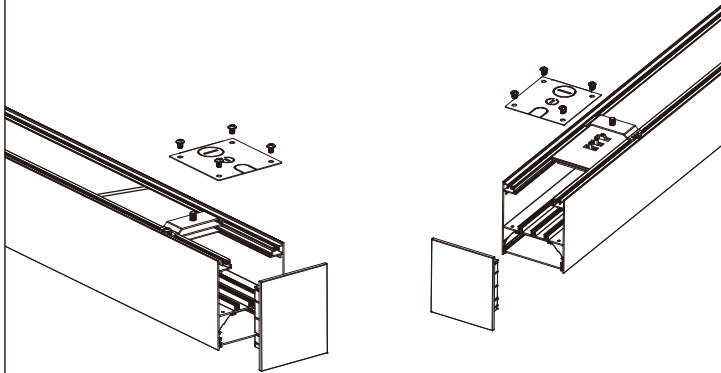
Architectural LED Linear Fixture

L-shaped Corner Installation intructions

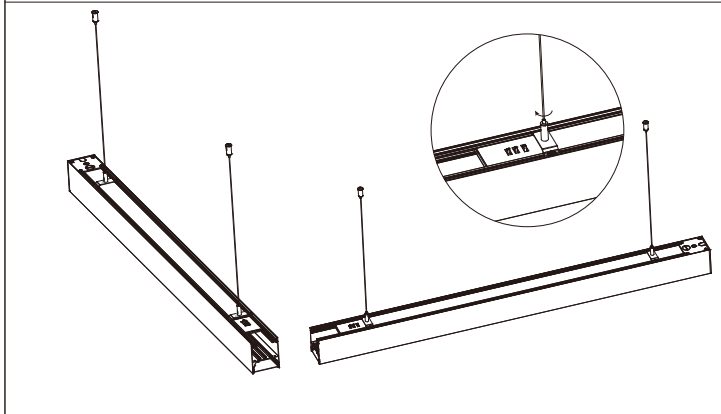
Accessories List



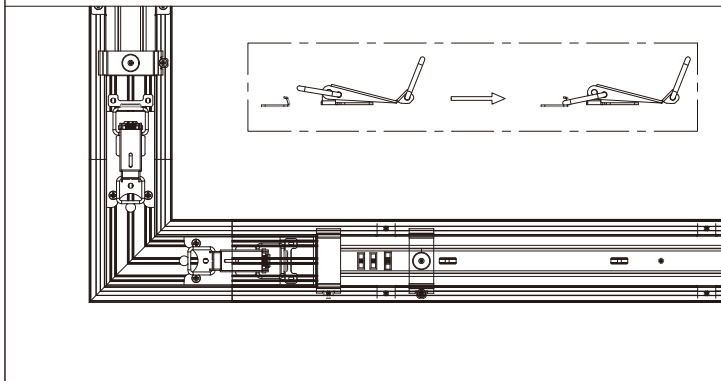
2.Use a screwdriver to remove the screws, remove the side cover and upper cover of both endsof the lamp to be spliced.



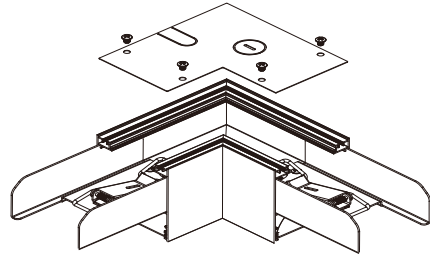
4.Use the rope to tighten the M5 screw thread to fix the lamp on the ceiling.



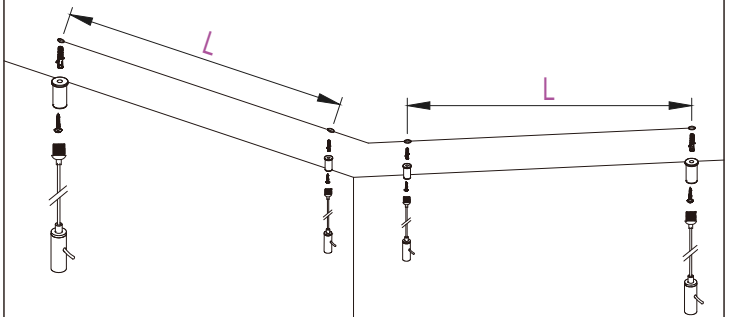
6.Attach the tension lock on the L-shaped splicing piece to the hook on the lamp, and then pull it tight. The lamp can be successfully spliced in this way.



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

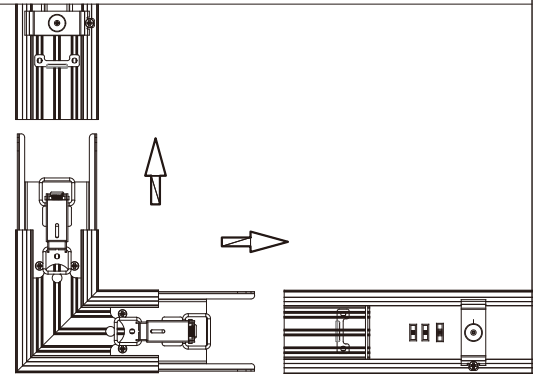


3.Fixing the hook and suspending the lamp..

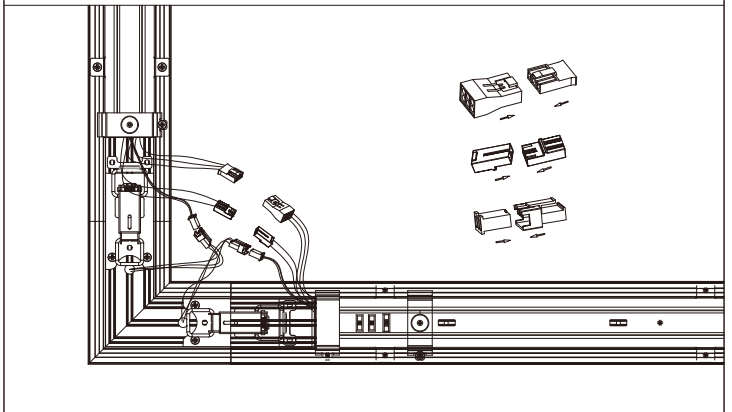


L=2FT:17.32"(440mm)
4FT:41.34" (1050mm)
8FT:89.37"(2270mm)

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

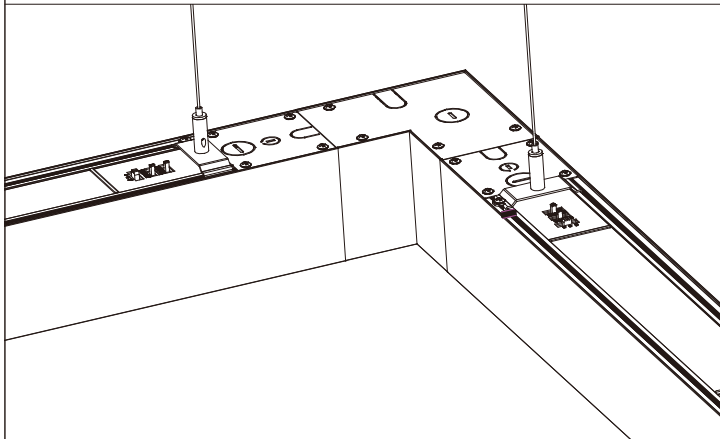


7.Connect the symmetrical terminals and insert the wires and terminals into the lamp interior.

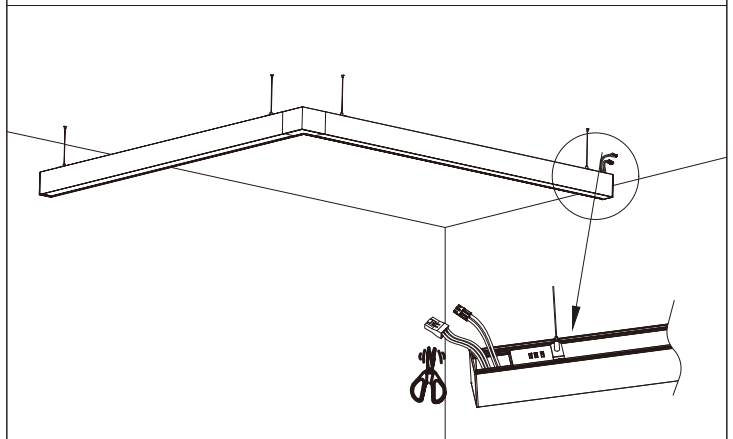


Architectural LED Linear Fixture

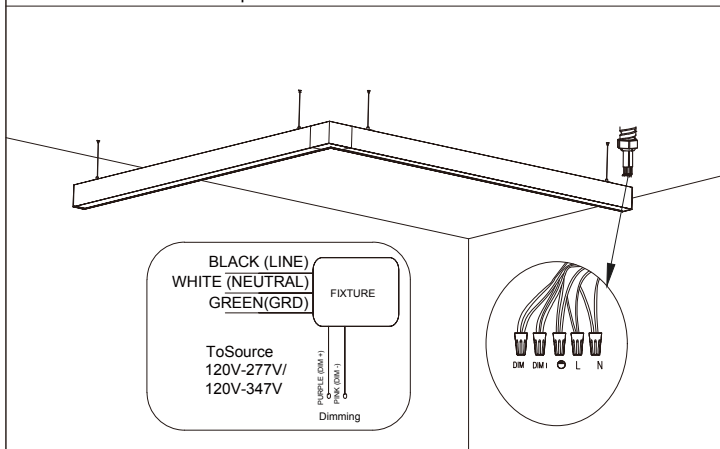
8.Lock the screws in the original position.



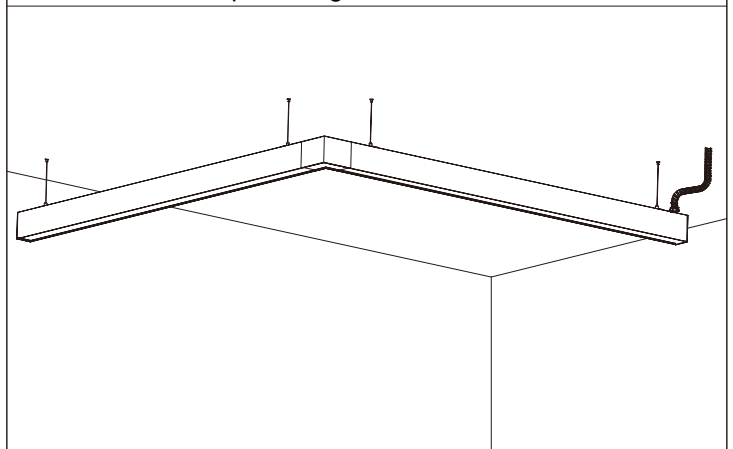
9.Cut off one end of the terminal as required for wiring.



10.Connect the wire as required.

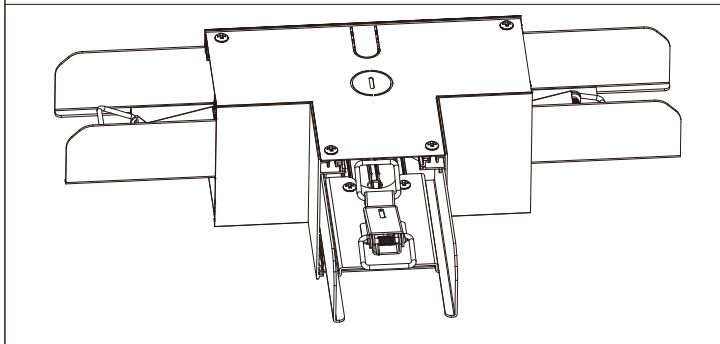


11.Installation completed, light trial run.

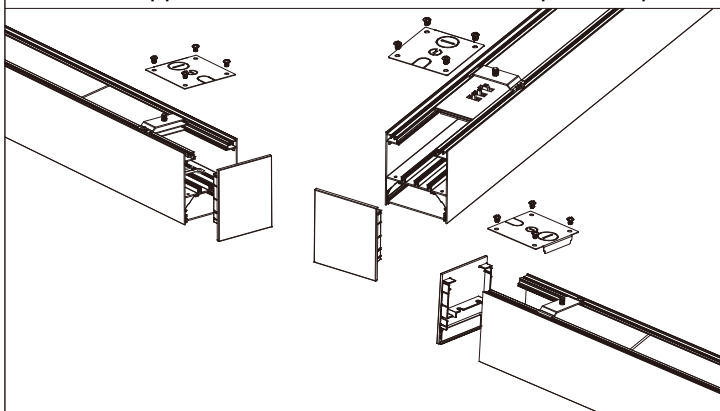


T-shaped Corner Installation Instructions

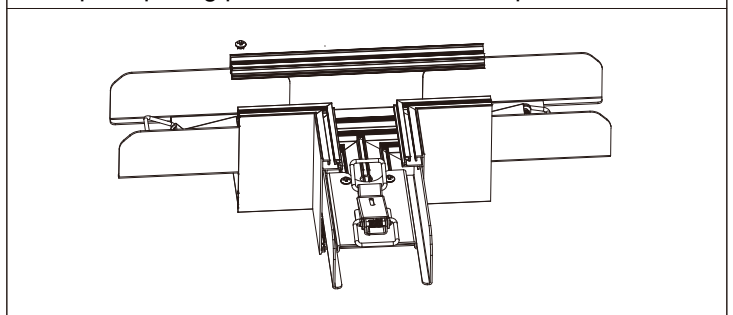
Accessories List



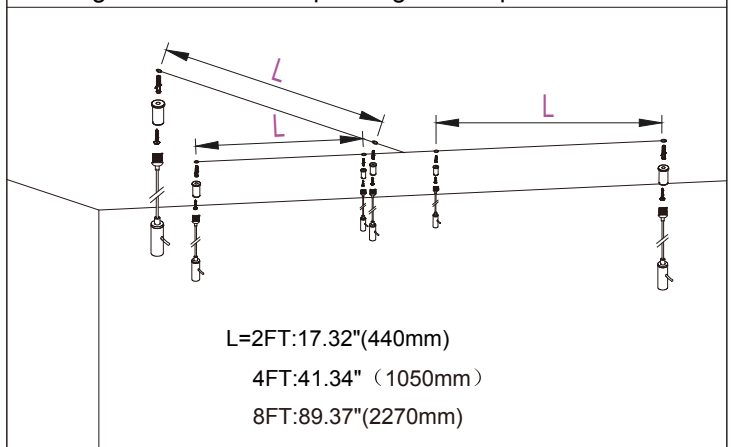
2.Use a screwdriver to remove the screws, remove the side cover and upper cover of both ends of the lamp to be spliced.



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

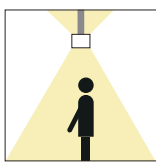
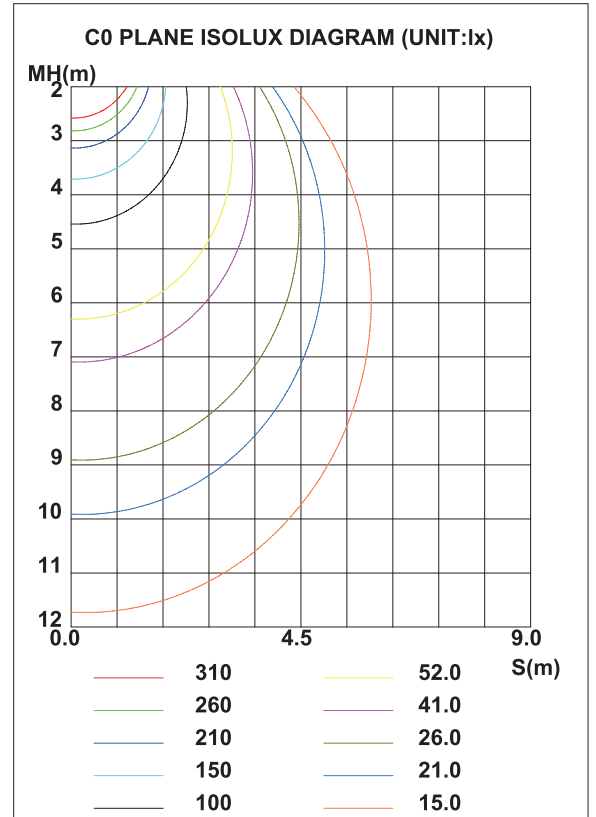
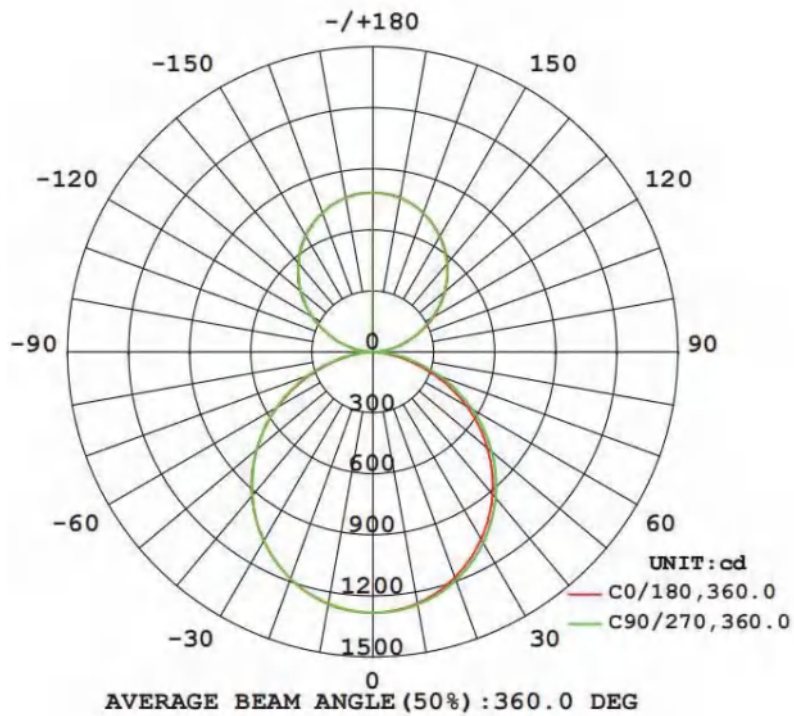


3.Fixing the hook and suspending the lamp..

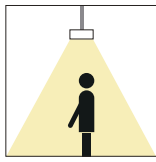


Architectural LED Linear Fixture

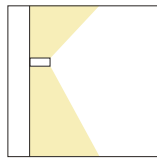
Testing Report



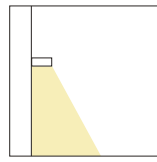
Pendant
(Up&down)



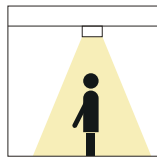
Pendant
(Down)



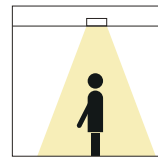
Wall mounted
(Up&down)



Wall mounted
(Down)



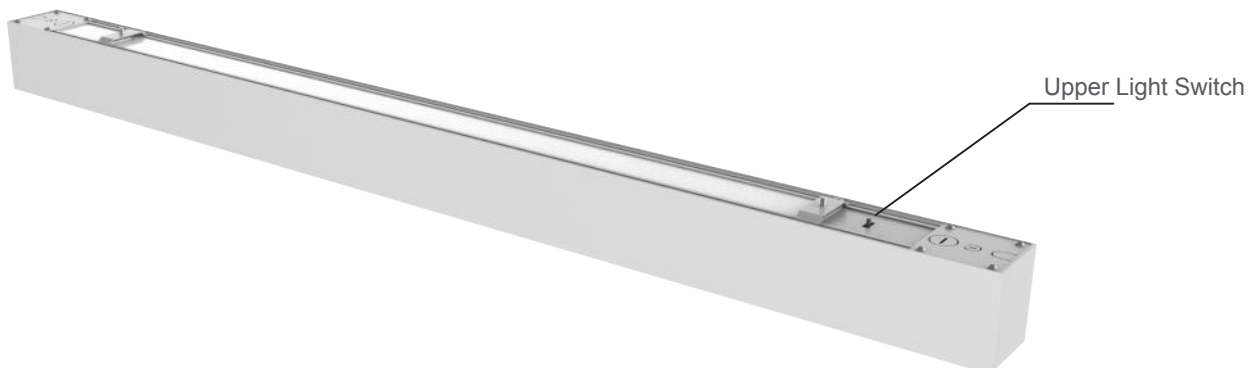
Surface mounted



Recessed

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

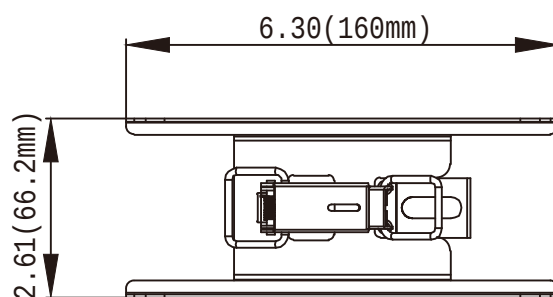
Swithes Plate



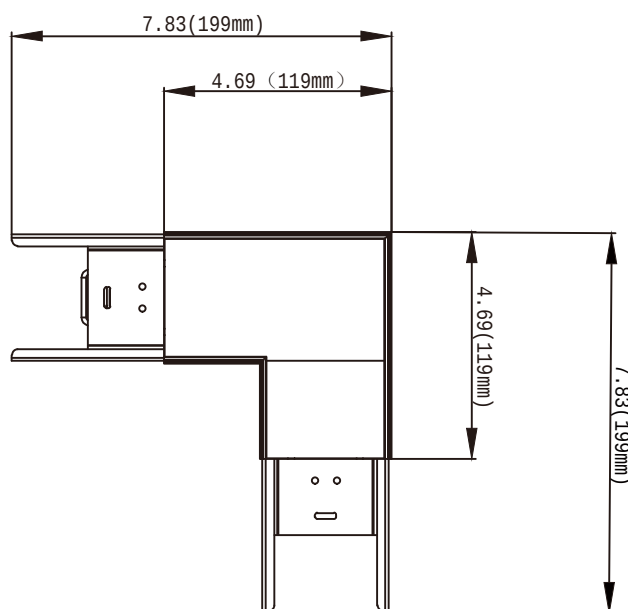
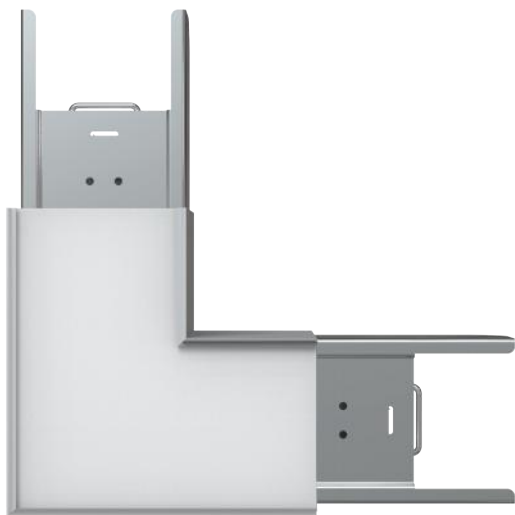
Architectural LED Linear Fixture

Accessories

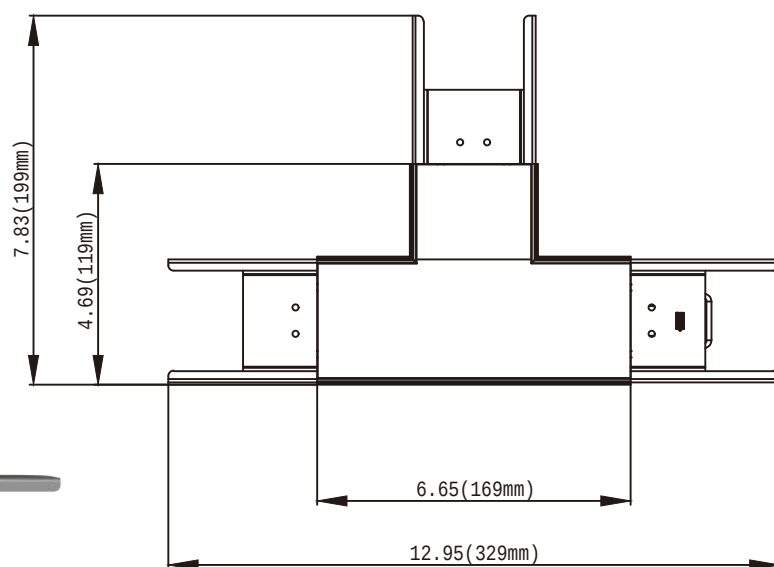
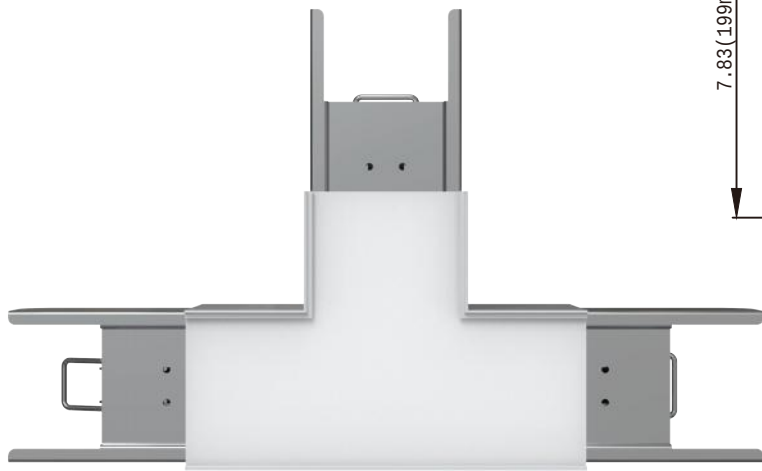
“—”joiner



“L”joiner

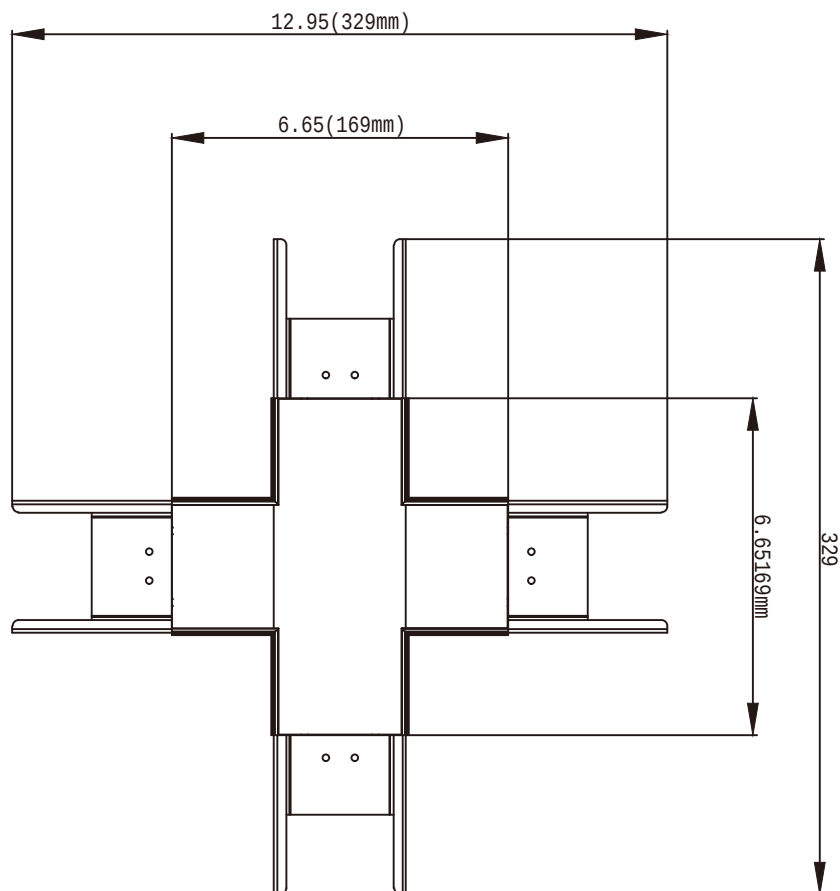
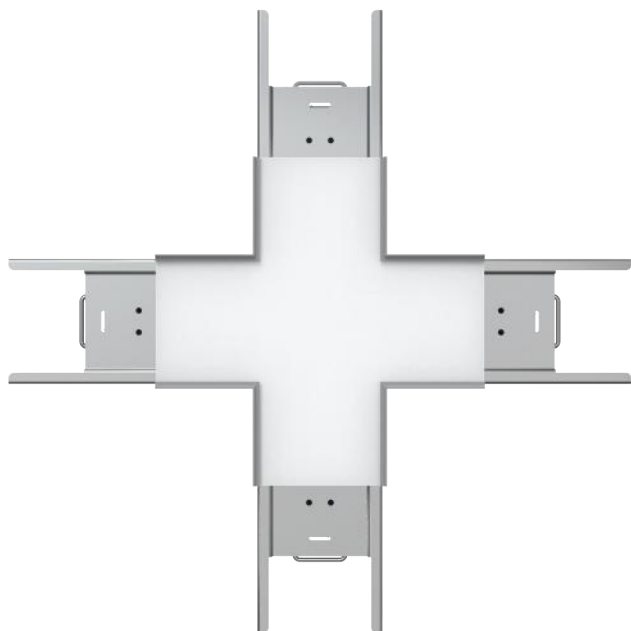


“T”joiner

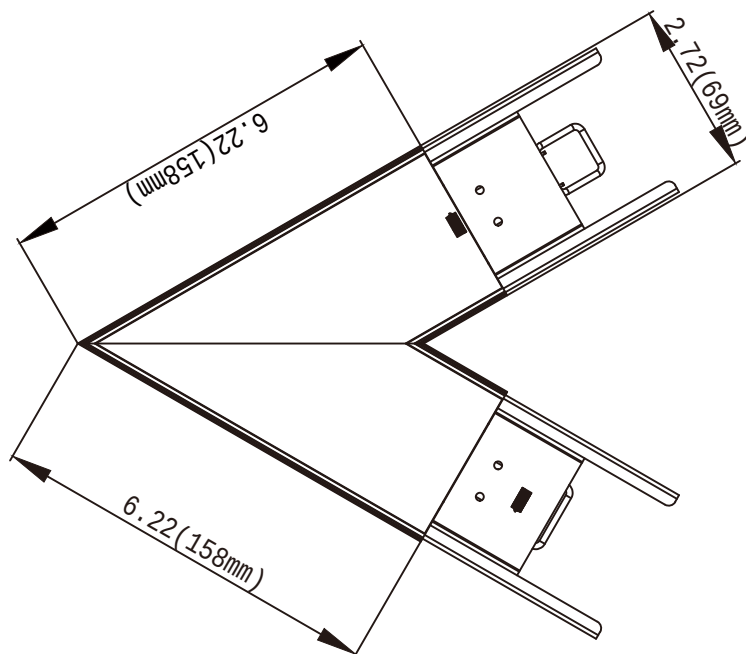


Architectural LED Linear Fixture

“X” joiner

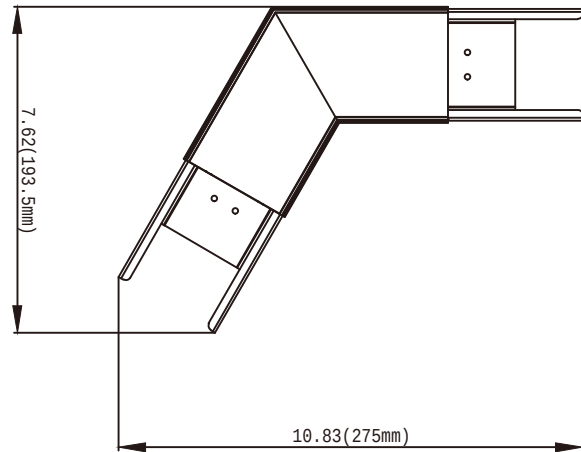


“V60” joiner

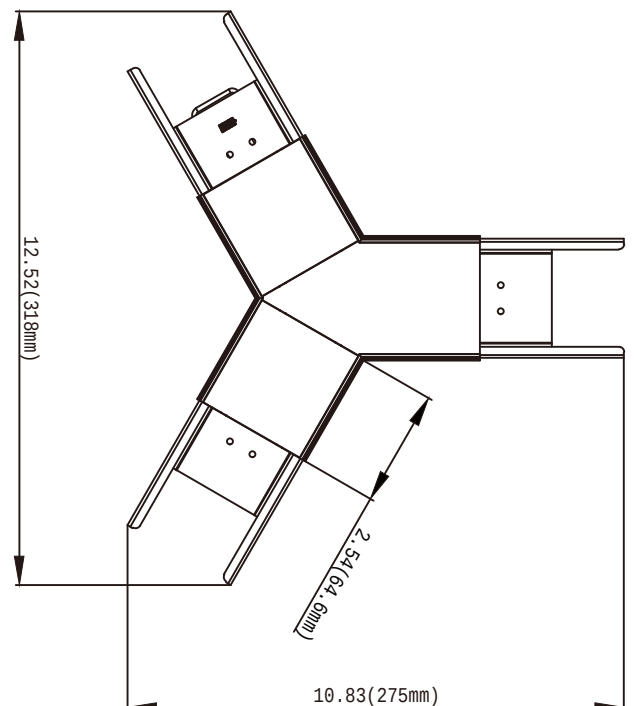


Architectural LED Linear Fixture

“V120”joiner

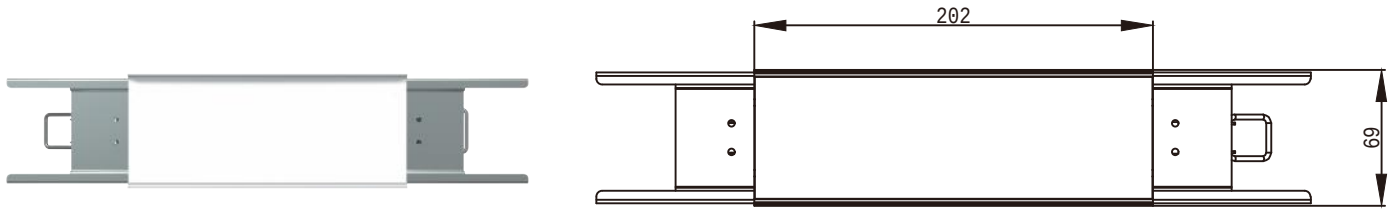


“Y”joiner

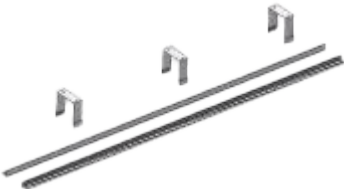


Architectural LED Linear Fixture

“I” joiner



Accessories (Optional)

 Surface-mounted kits SZ-ALF-SMA	 Aircraft Cable SZ-ALF-LR	 Roll-out Lens SZ-ALF-Cover (M)
 Wall Mount Kits SZ-ALF-WM (02) White	 Cable Black SZ-ALF-Cable (Black)	 Cable White SZ-ALF-Cable (White)
 Recessed Mounting Lace Kits SZ-ALF-RMLK (02) (Z)	 Recessed Mounting Kits SZ-ALF-RMK (02)	

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	



User Instructions for Tuya Smart APP

1. Preface.....	1
1.1 Writing purpose.....	1
2. Sign up.....	1
2.1 Register an account.....	1
3. Add gateway	2
4. Equipment parameter settings.....	6
5. Product Reset	8
5.1 Resetting the Lamp via the APP (Restore Factory Settings).....	8
5.2 Power-on and Power-off Reset Method	10



User Instructions for Tuya Smart APP

1. Preface

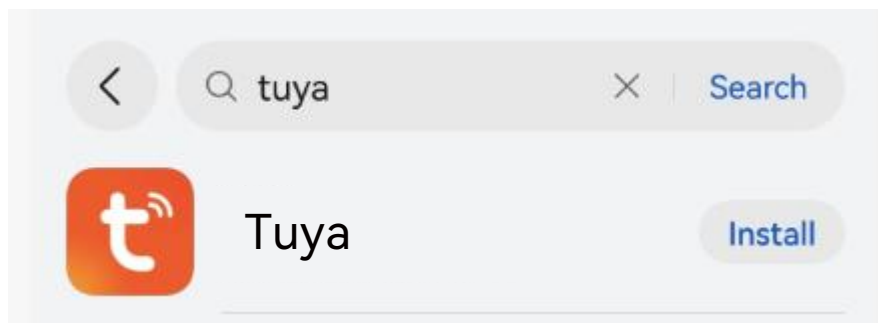
1.1 Writing purpose

This document describes the usage of the Graffiti Smart APP

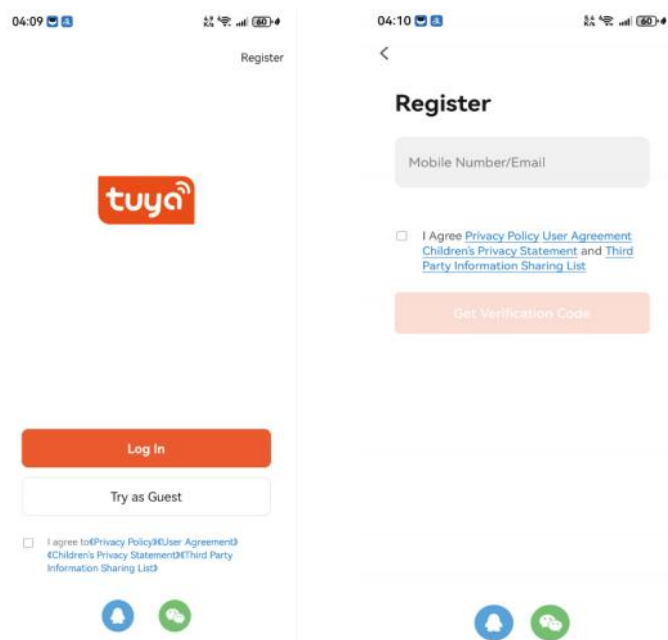
2. Sign up

2.1 Register an account

Download from the app store: Search for Tuya Intelligence



Click to register, obtain a verification code through your phone number/email to log in, or use QQ or WeChat to log in



If you have an account, simply click to “Log In” log in

If you don't have an account, click on the top right corner to “Register” register through email or phone number

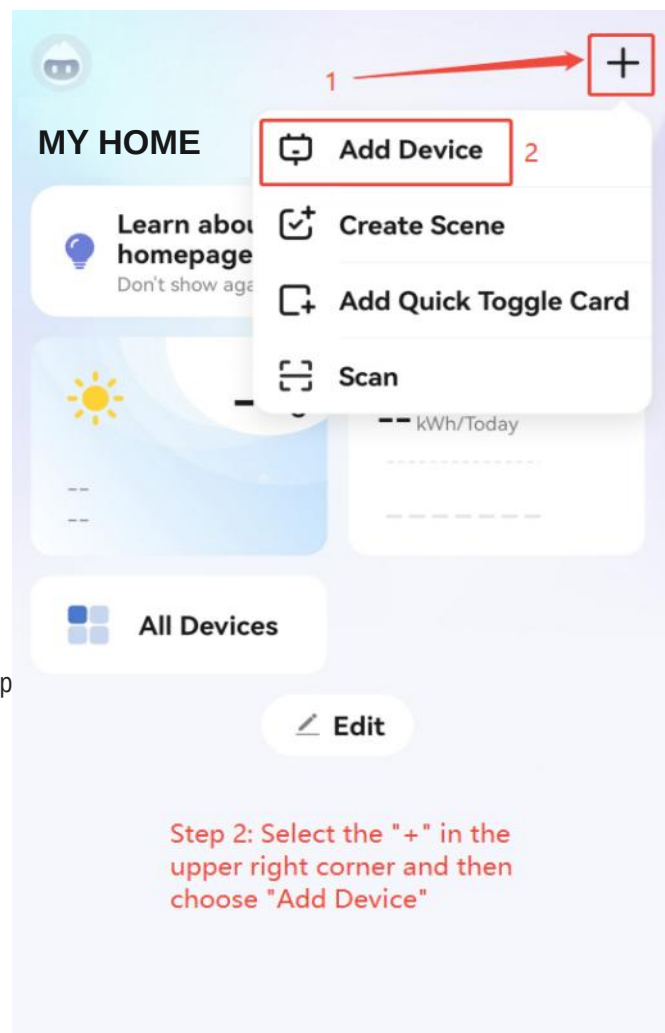
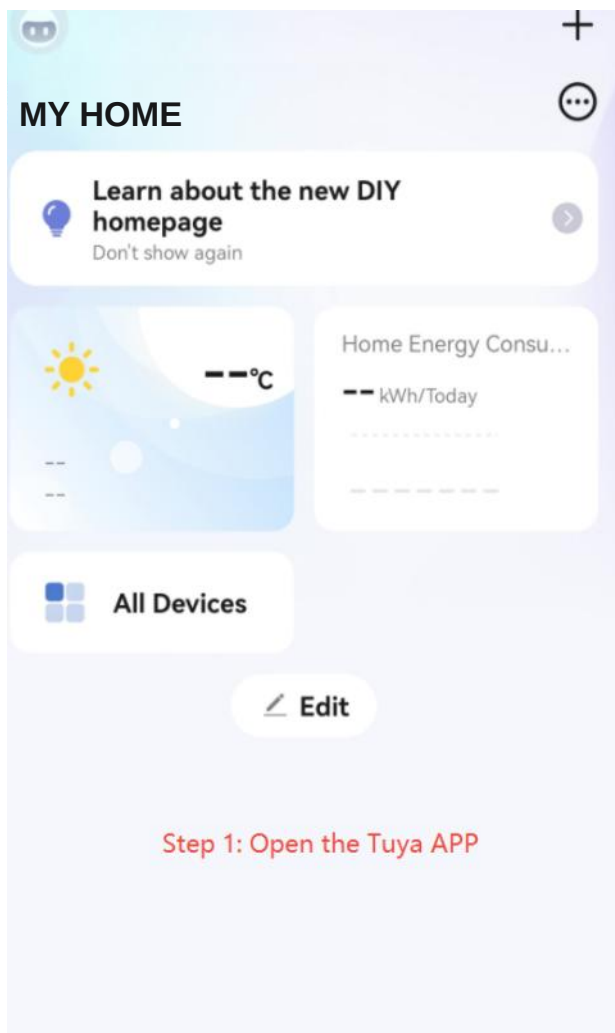


User Instructions for Tuya Smart APP

3. Add gateway

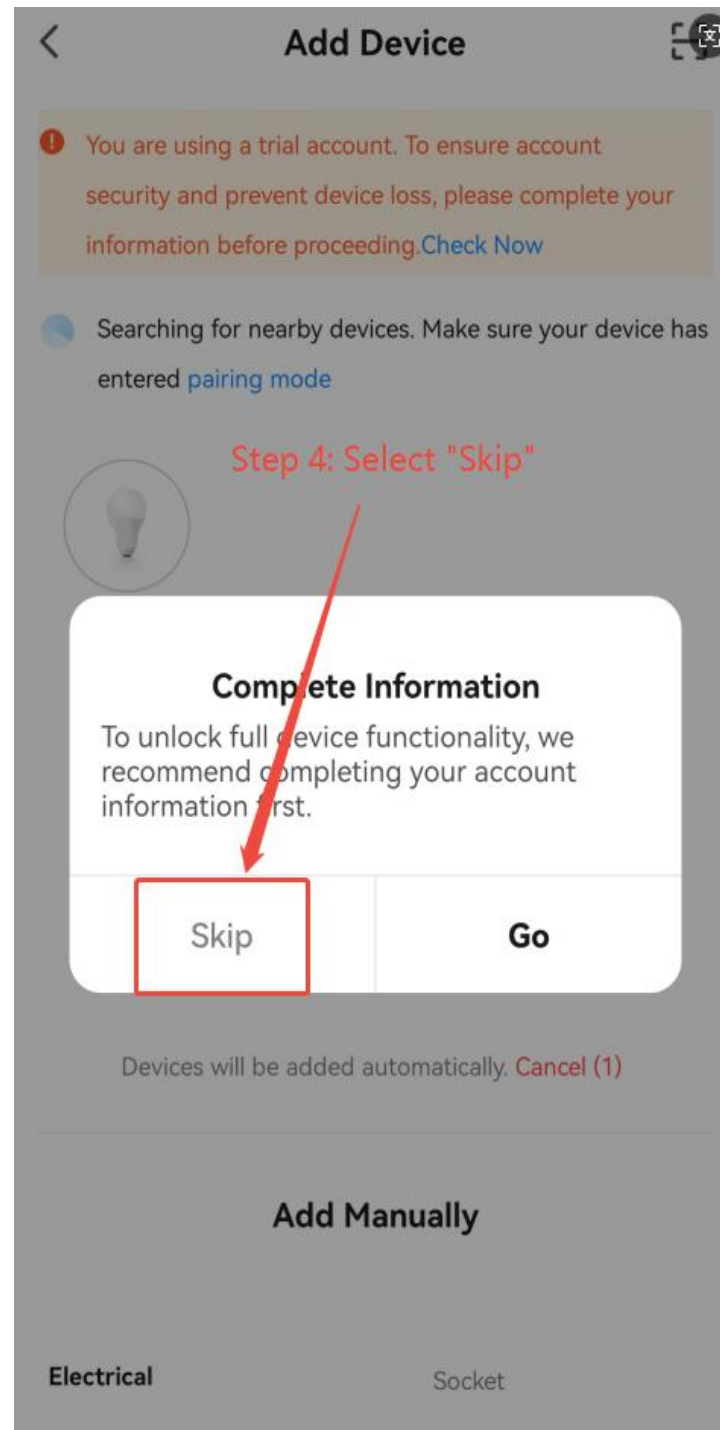
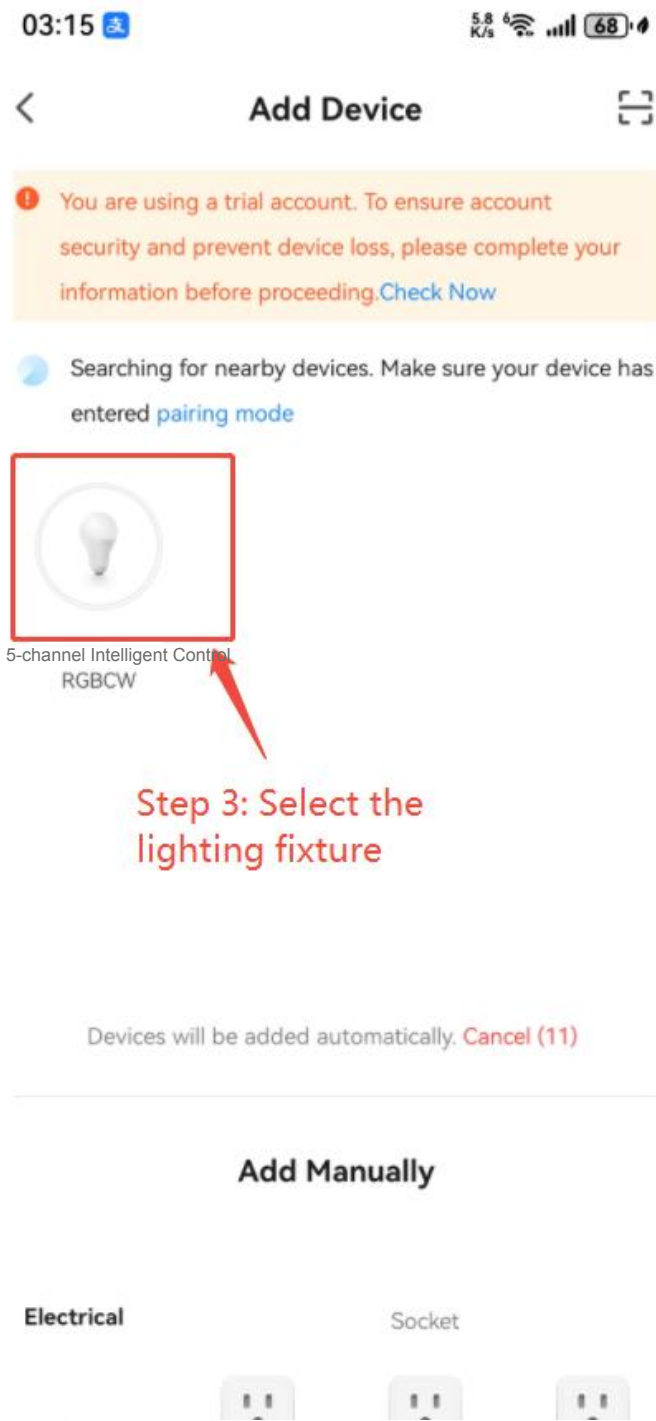
3.1. First, make a sample of the mobile phone's Bluetooth and WIFI. Open the Tuya app, Connect the power supply of the lamp, and the white light of the lamp is in a gradually brightening and dimming cycle, indicating that the lamp is in standby mode and can be connected to the APP

3.2. Follow the steps 1-9 as shown in the diagram below for operation





User Instructions for Tuya Smart APP

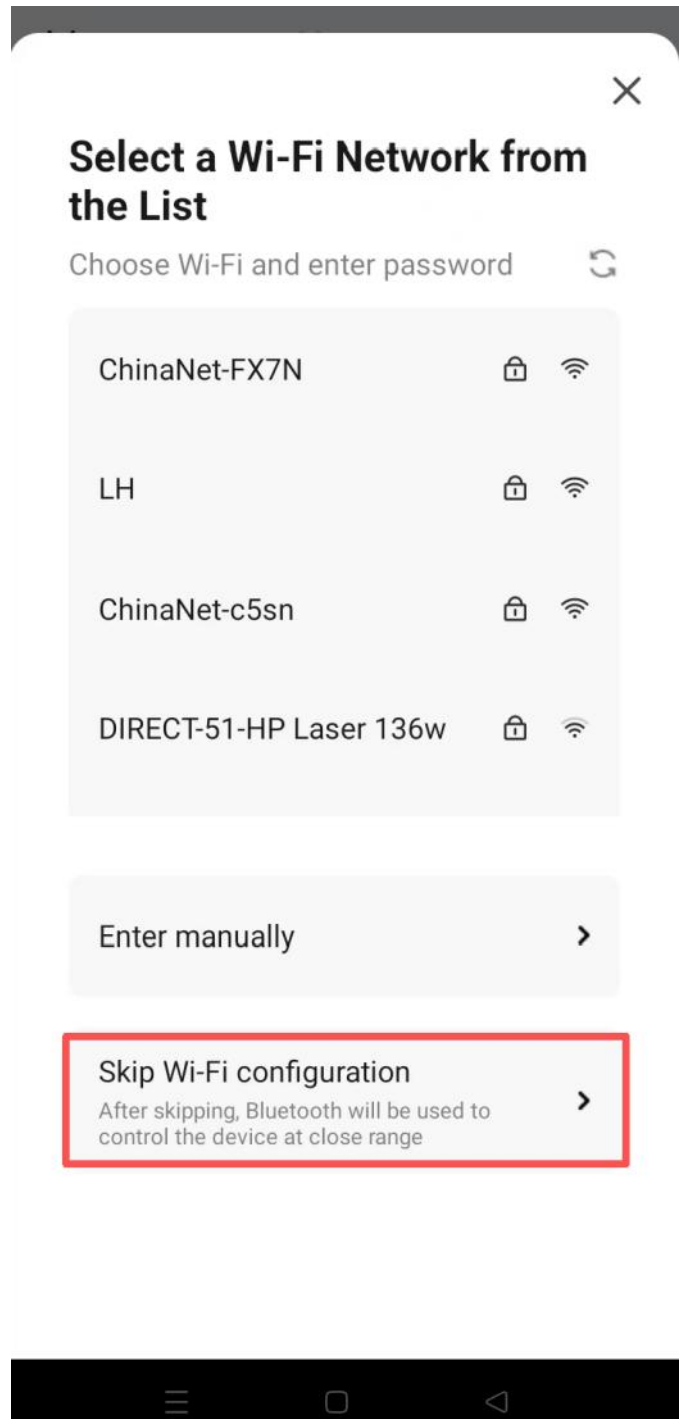
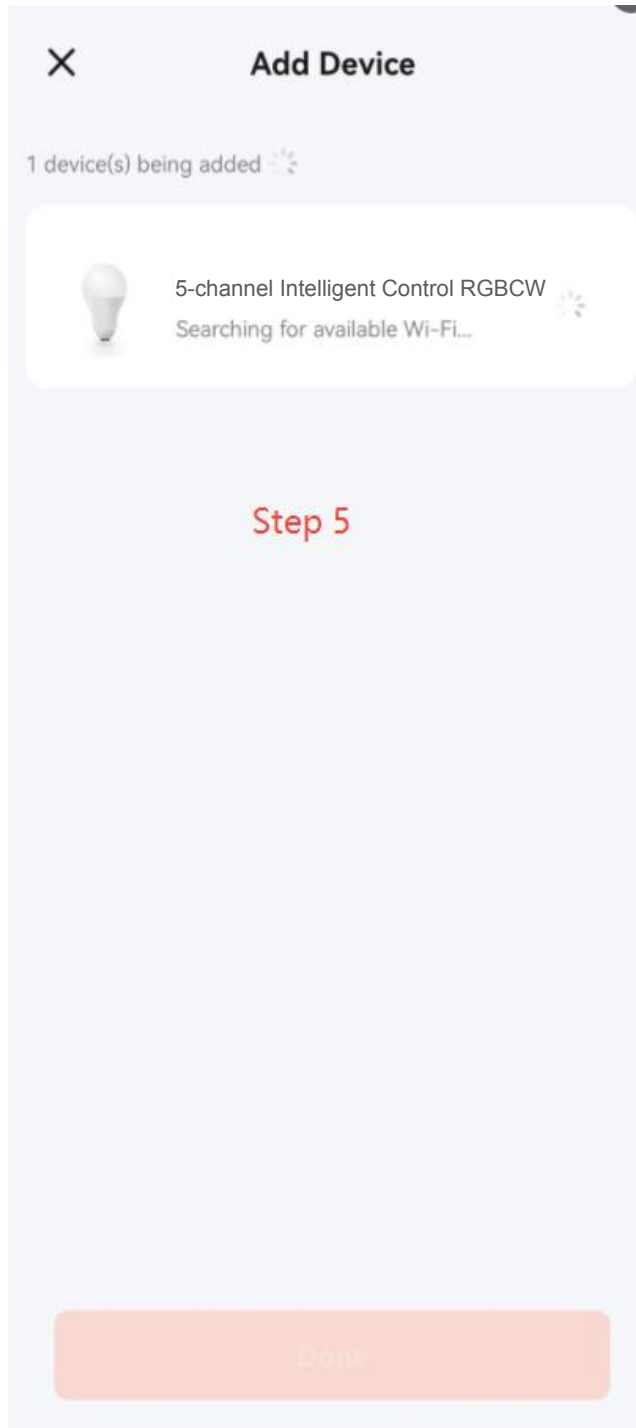




User Instructions for Tuya Smart APP

Step 5:

Step 6: If you want to connect through WIFI, select the corresponding WIFI network. If you need to connect through Bluetooth, choose to skip "Skip Wi-Fi configuration"





User Instructions for Tuya Smart APP



Bluetooth Pairing

Enable quick local control. You can set up a Wi-Fi network later to enable remote control.

Step 7: If Bluetooth control is selected, click Next



Next

03:18



Add Device

1 device(s) added successfully



5-channel Intelligent Control RGBCW

Added successfully



0 device(s) being added

Step 8: If the light fixture icon displays a checkmark, it indicates that the light fixture is connected, and then click "Done"



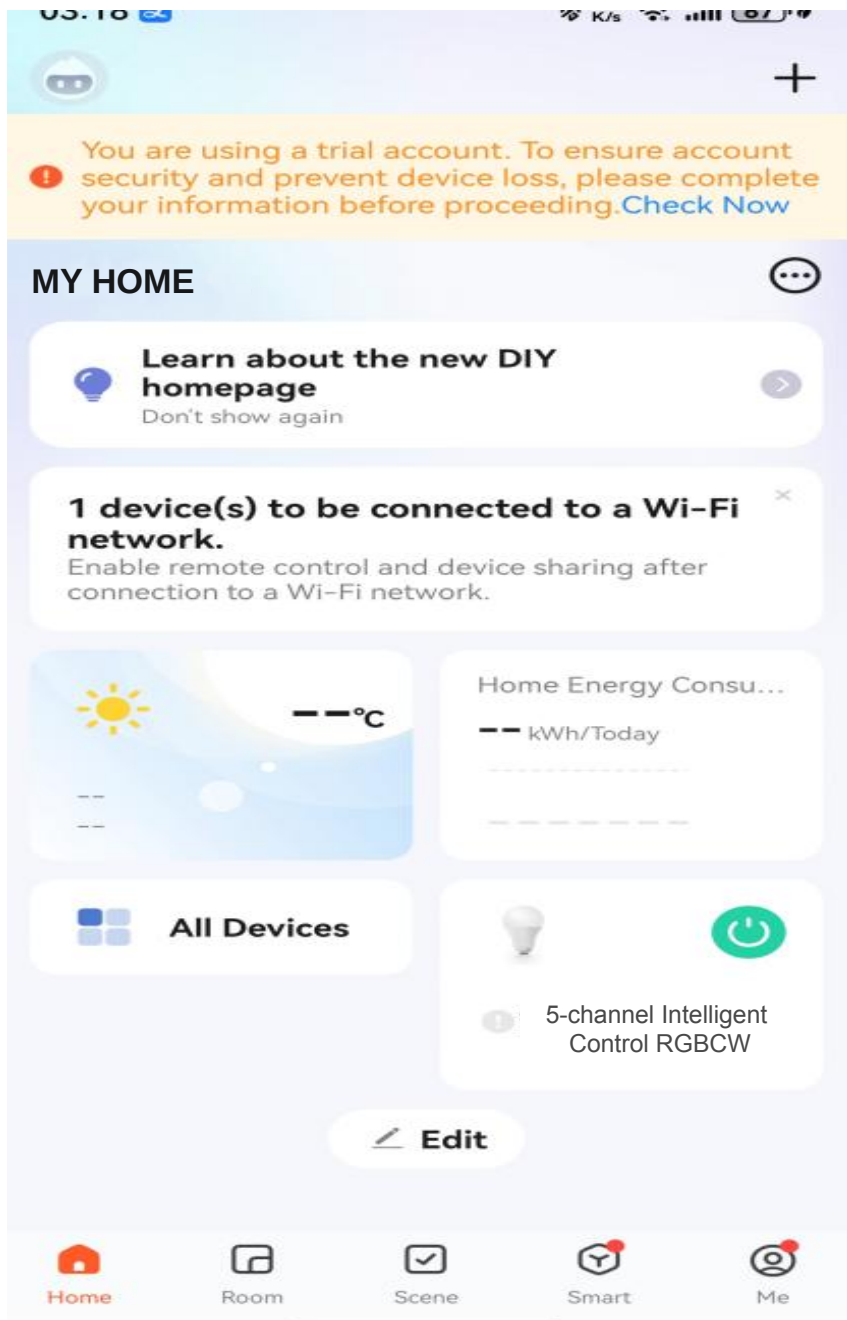
Done



User Instructions for Tuya Smart APP

4. Equipment parameter settings.

Step 9: The display lamp has been connected and the corresponding functions can be operated through this interface



Click this time to turn on/off the light

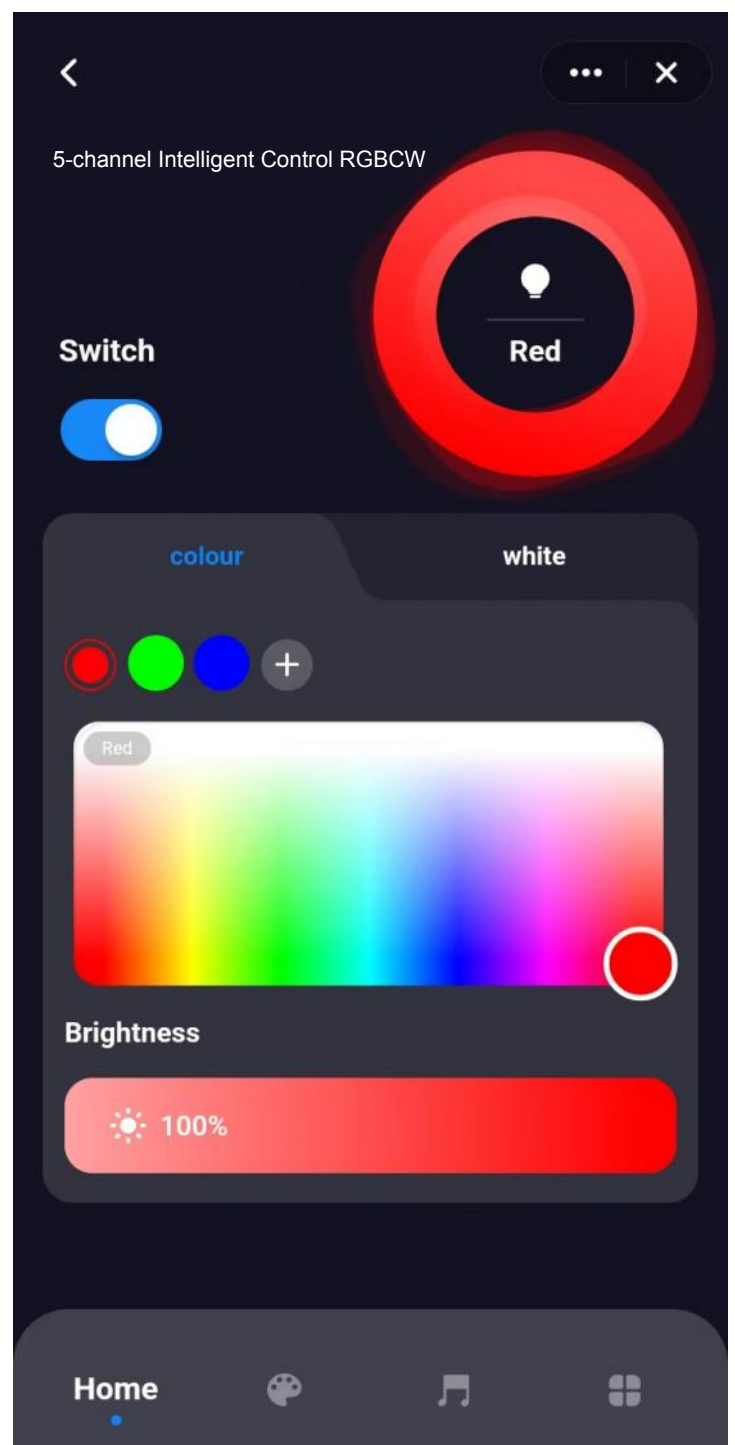
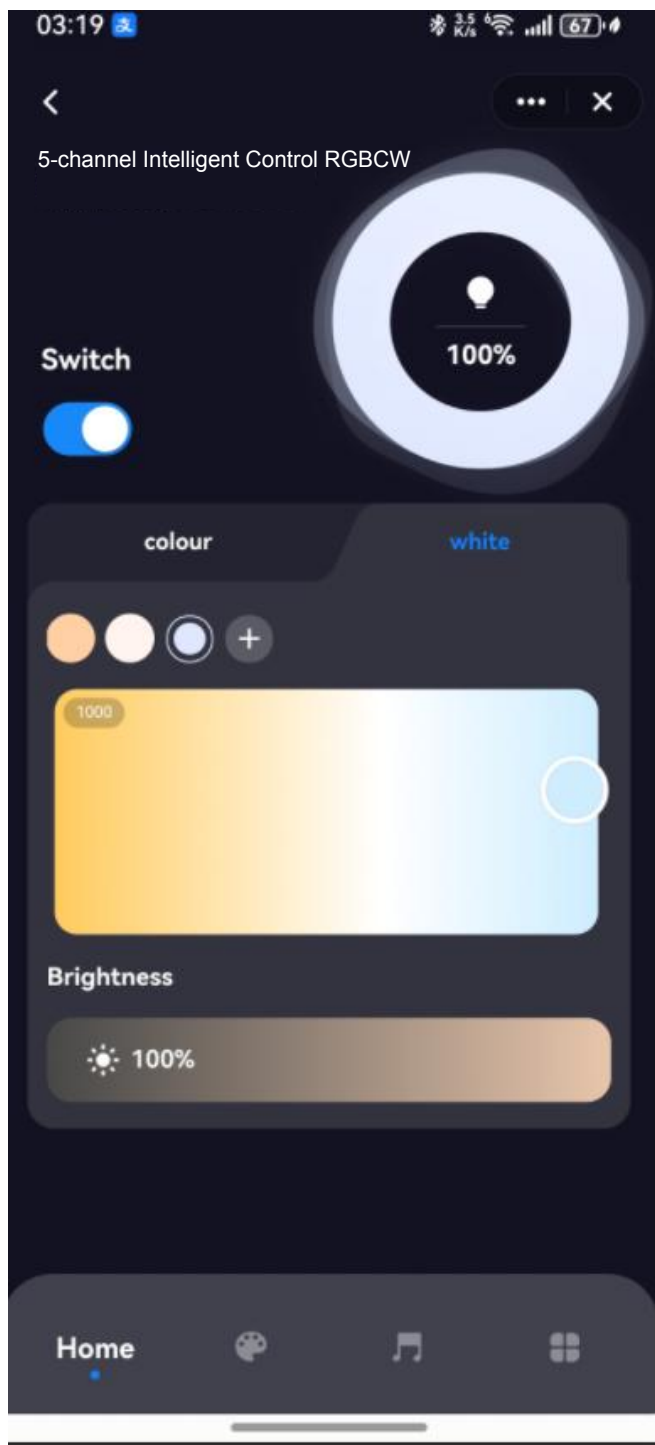
Click this time to set various effects of the lighting fixtures as shown in step 10

Click on the project inside to enter various scene settings



User Instructions for Tuya Smart APP

Step 10: Enter the operation interface to adjust various color temperatures, brightness, and other effects of the lighting fixtures



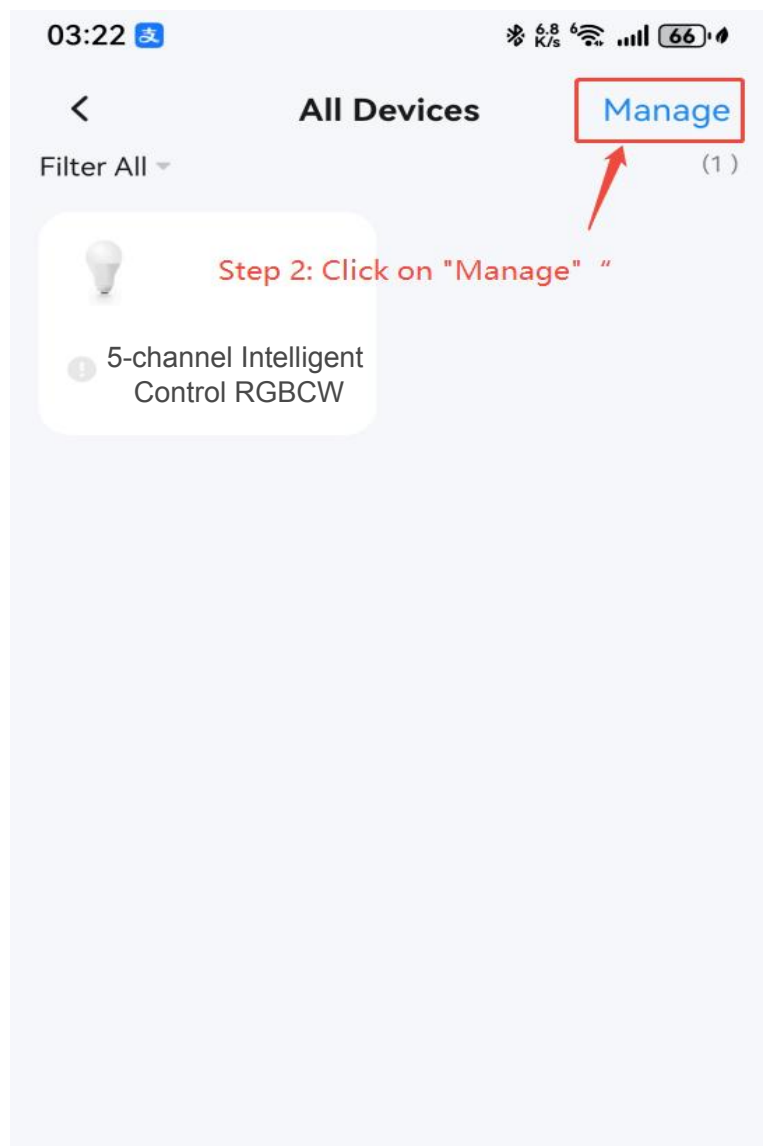
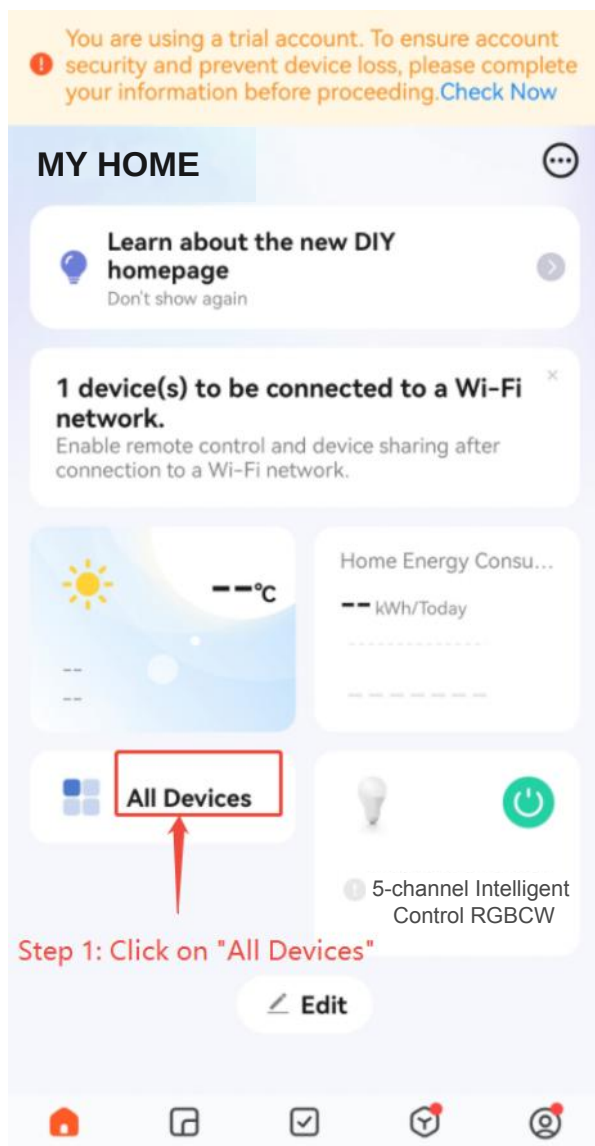


User Instructions for Tuya Smart APP

5. Product Reset

5.1 Resetting the Lamp via the APP (Restore Factory Settings)

Enter the device details and click "Remove Device". The device will be deleted and restored to factory settings. Remember to delete it while online. If deleted offline, the device will not be found and multiple power on/off cycles will be required for resetting.





User Instructions for Tuya Smart APP





5.2 Power-on and Power-off Reset Method

The operation is as follows:

1. Preparation: Power on the lamp, the lamp lights up, wait for 20 seconds (more than 20 seconds), power off, and wait for about 5 seconds.
2. First power on, the lamp lights up for 1-3 seconds, power off, and wait for about 5 seconds.
3. Second power on, the lamp lights up, wait for 8-15 seconds, power off, and wait for about 5 seconds.
4. Third power on, the lamp lights up for 1-3 seconds, power off, and wait for about 5 seconds.
5. Fourth power on, the lamp lights up, wait for 8-15 seconds, power off, and wait for about 5 seconds.
6. Fifth power on, the lamp lights up and flashes, indicating that the factory reset is successful. The successfully reset lamp will restore the factory settings and clear the data on the lamp.