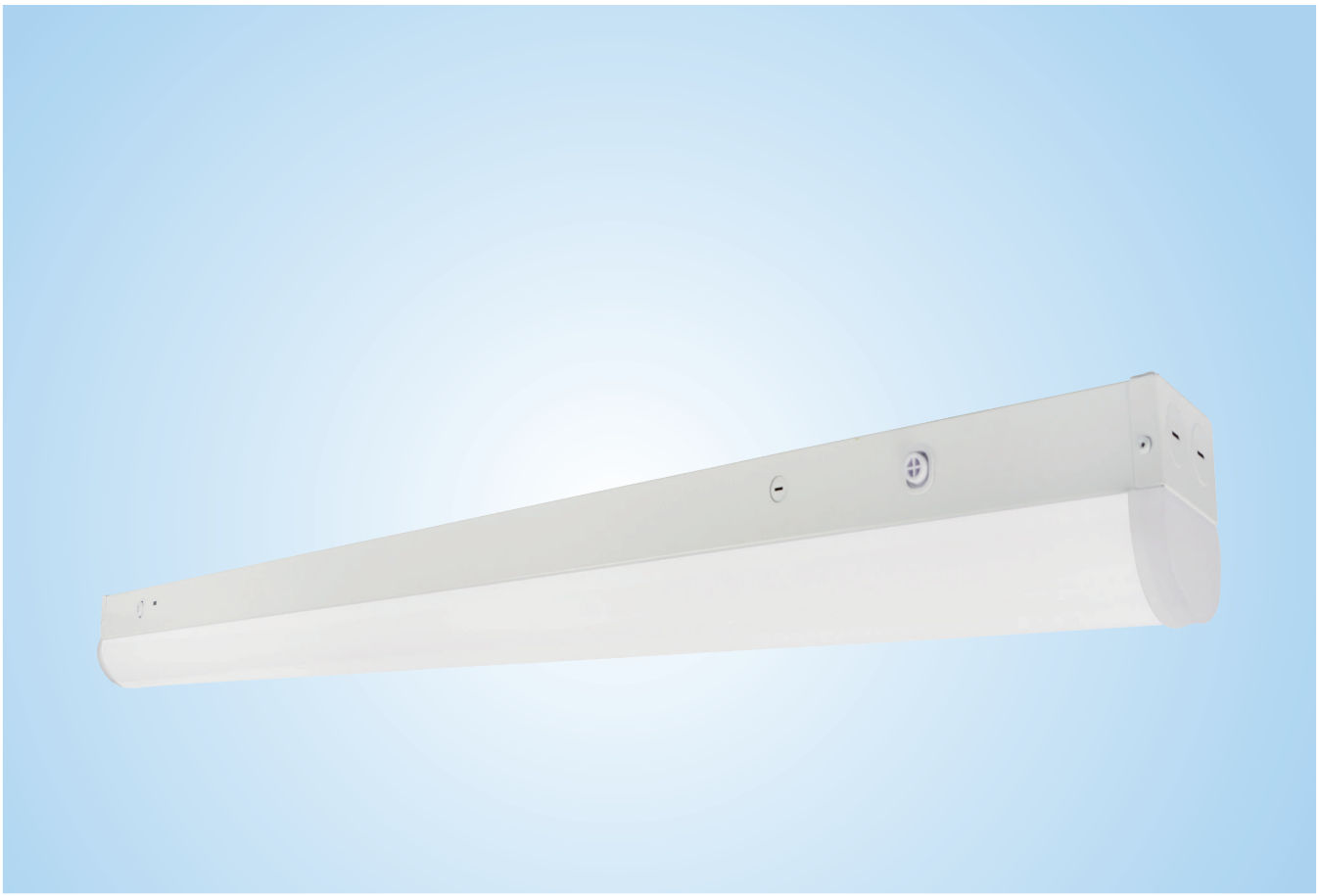
LED Linear Strip Light

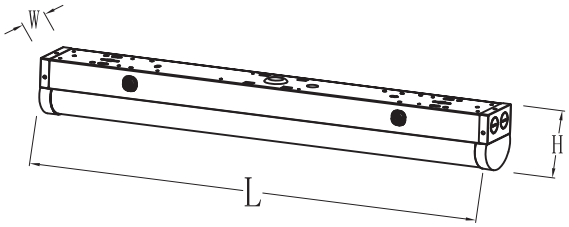


E477615

Features & Benefits

1. Daisy connection with very convenient replacement in 1minute.
2. 0-10v dimming, universal voltage: 120-277v or 120-347v.
3. Available with suspending installation and surface-mounted installation.
4. Wide application for: school, hospital, super market, office and warehouse.
5. 2ft, 4ft and 8ft dimensions for variety choices.
6. 5-year warranty.

Product Dimension



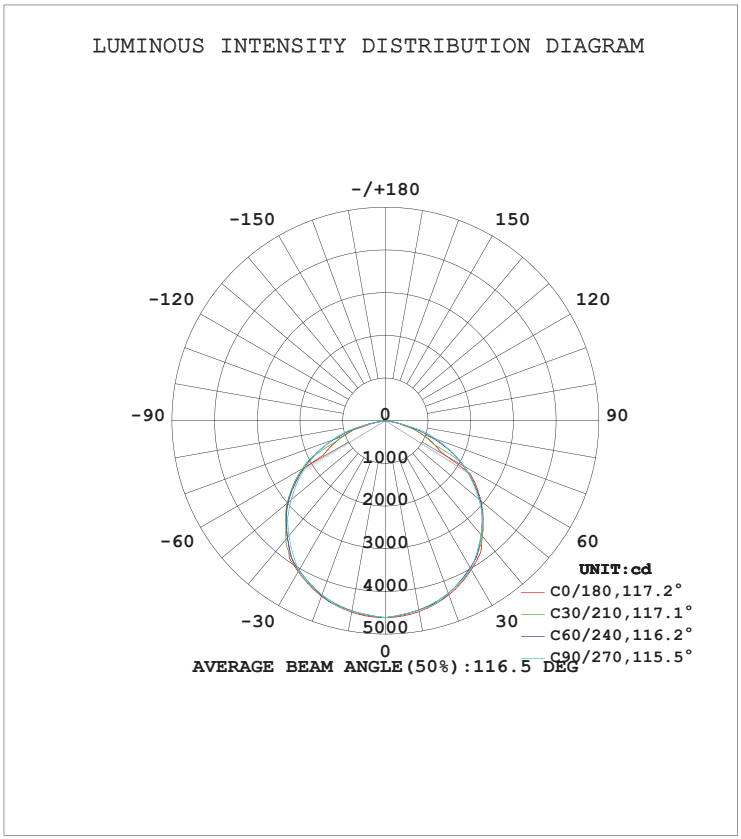
Model	L×W×H
TS-ST4-4FTXX	1220x75x83(mm) / 48.03"x2.95"x3.26"
TS-ST4-8FTXX	2438x75x83(mm) / 95.98"x2.95"x3.26"

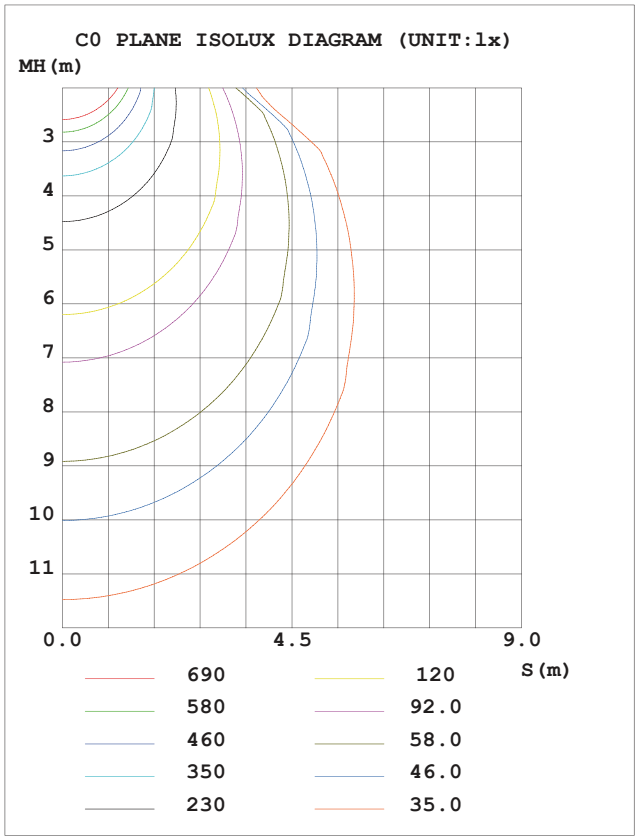
Specification

Part No.	Power	Input Voltage	Luminous Flux	Luminous Efficacy	CCT	Viewing Angle	Ra	PF	Warranty
TS-ST4-4FT32W-H-TC	32W	AC120-277V	4160lm	130lm/W	3500K 4000K 5000K	120°	>80	>0.9	5 Years
TS-ST4-4FT40W-H-TC	40W		5200lm						
TS-ST4-8FT50W-H-TC	50W		6500lm						
TS-ST4-8FT64W-H-TC	64W		8320lm						
TS-ST4-8FT80W-H-TC	80W		10400lm						
TS-ST4-4FT32W-H-347-TC	32W	AC120-347V	4160lm	130lm/W	3500K 4000K 5000K			>0.88	
TS-ST4-4FT40W-H-347-TC	40W		5200lm						
TS-ST4-8FT50W-H-347-TC	50W		6500lm						
TS-ST4-8FT64W-H-347-TC	64W		8320lm						
TS-ST4-8FT80W-H-347-TC	80W		10400lm						

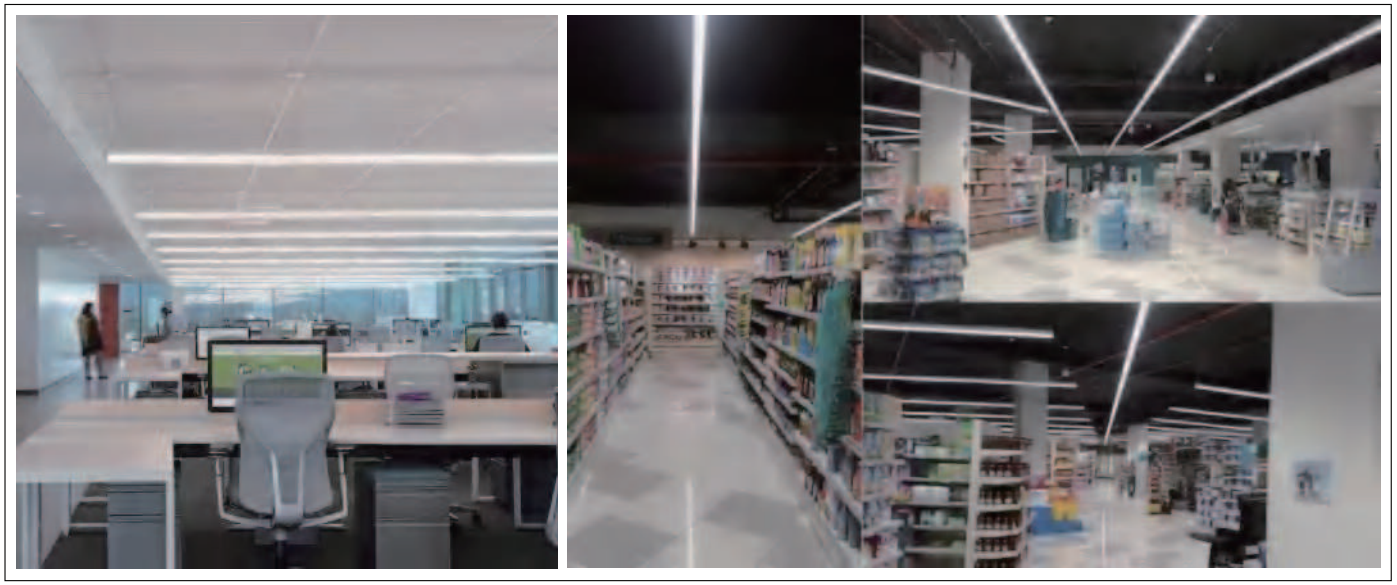
The following multiple functions can be achieved according to customers' requests
1.Remove or turn off the emergency battery when testing the luminous efficacy.
2.Available with external or built-in microwave motion sensor
3.Emergency: the power is 8W, it can still work in 1.5hrs while emergency situation.
4.Remove or turn off the emergency battery when testing the luminous efficacy.

Testing Report



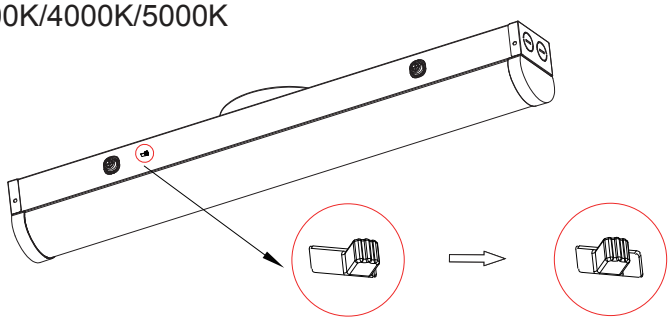


Applications



Installation manual

CCT CHANGING: 3500K/4000K/5000K

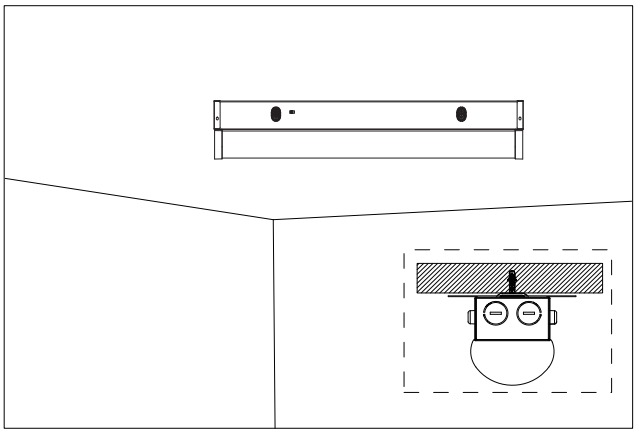


A.Surface-mounted installation

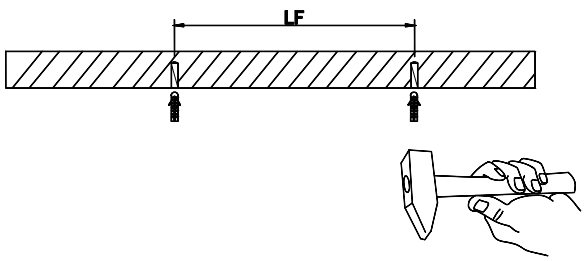
Parts List

Surface mount kit --4ft (included)	
	Parts: **(1) J-box Adapter** **(2) Anchors** **(4) Screws**
Surface mount kit --8ft (included)	
	Parts: **(1) J-box Adapter** **(4) Anchors** **(6) Screws**

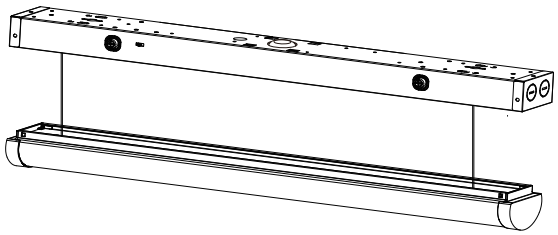
Installation instructions



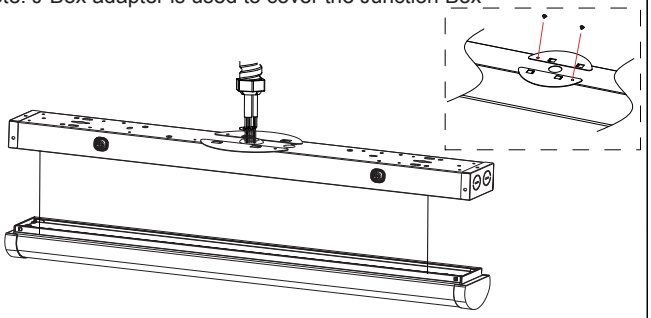
1.Punch a hole on the wall and put the expansion tube inside.



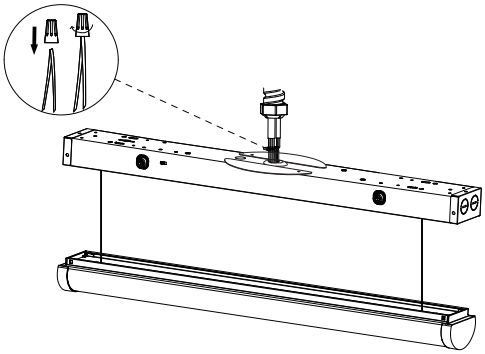
2. Swing open fixture by pushing in/squeezing both buttons located on opposite ends.

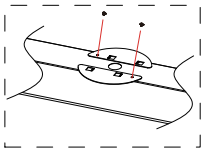


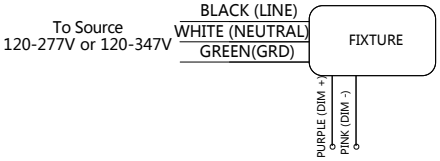
3.Run the fixture's power wires through the center hole. of the round J-box adapter. Slide and secure the round J-Box adapter on the center slots located on the back of the fixture.
Note: J-Box adapter is used to cover the Junction Box



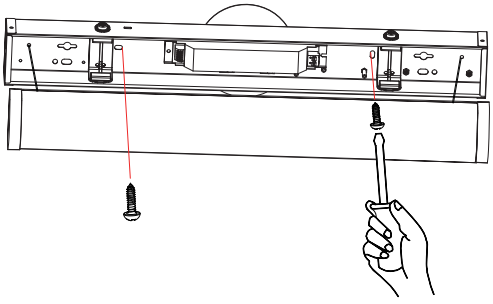
4. Turn off the power and make wiring by using wire nuts according to wiring diagram



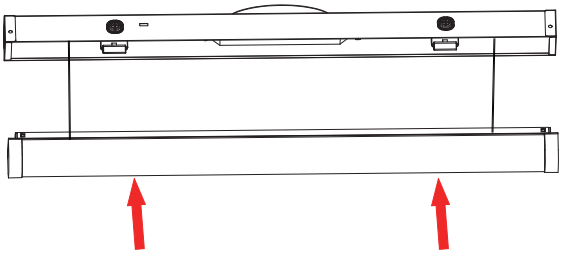




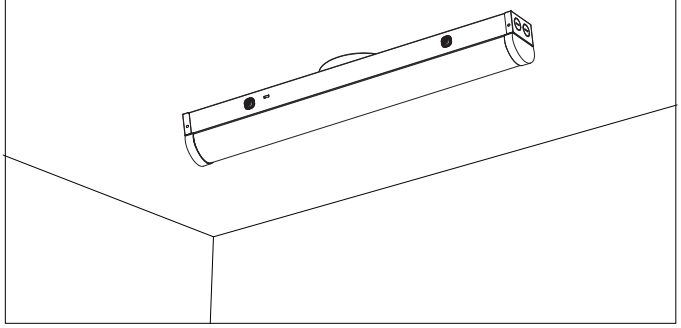
5.Secure the fixture to the wall with the correct mounting hardware



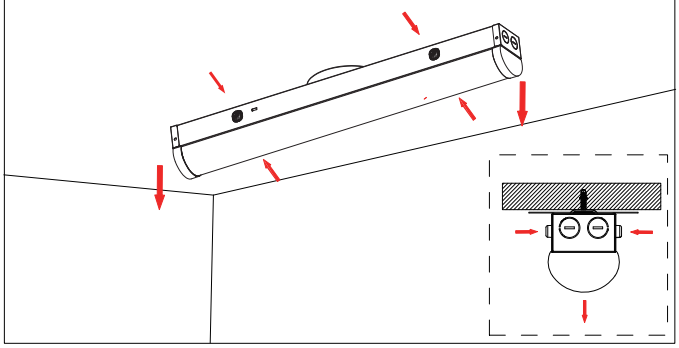
6. Press upward the cover and lock it with springs tightly which located into the fixture.



7.The installation is completed and energize the luminaire to verify operation.

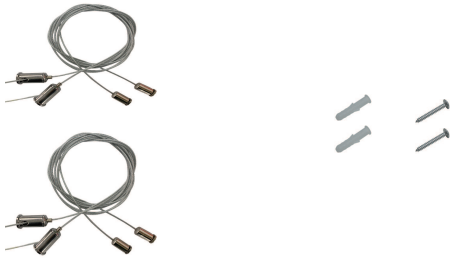
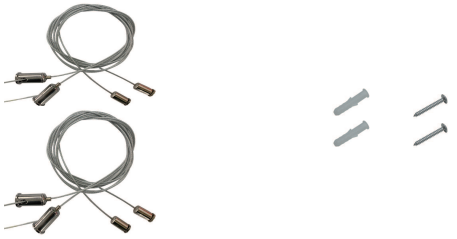


8.Swing open fixture by pushing in/squeezing both buttons located on opposite ends， if need to disassemble the fixture

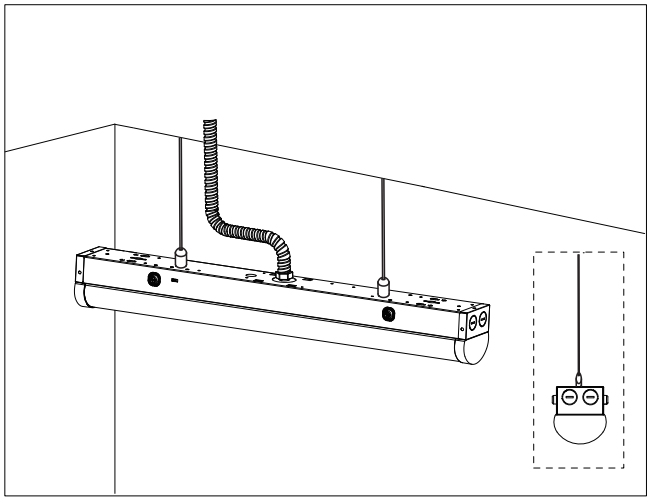


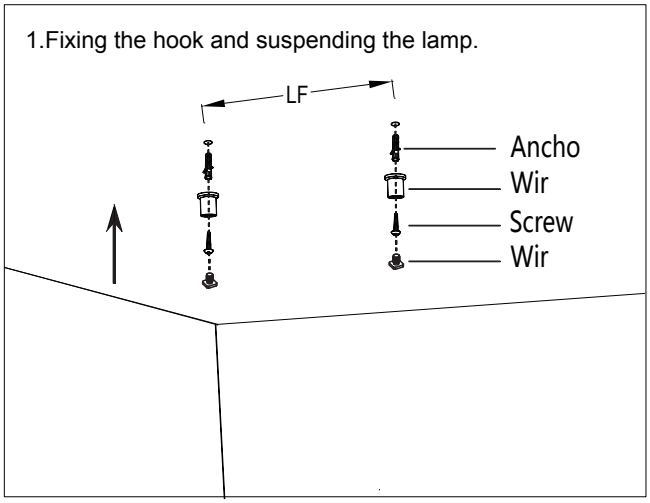
B. Suspending installation

Parts List

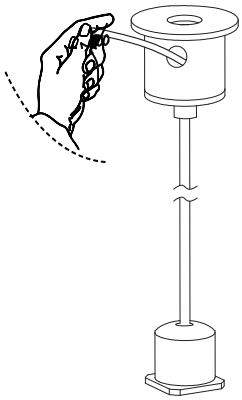
Suspending installation -4FT(included)	
	Parts: (2) Safety Rope (2) Anchors (2) Screw
Suspending installation -8FT (inlcuded)	
	Parts: (4) Safety rope (4) Anchors (4) Screw

Installation intructions

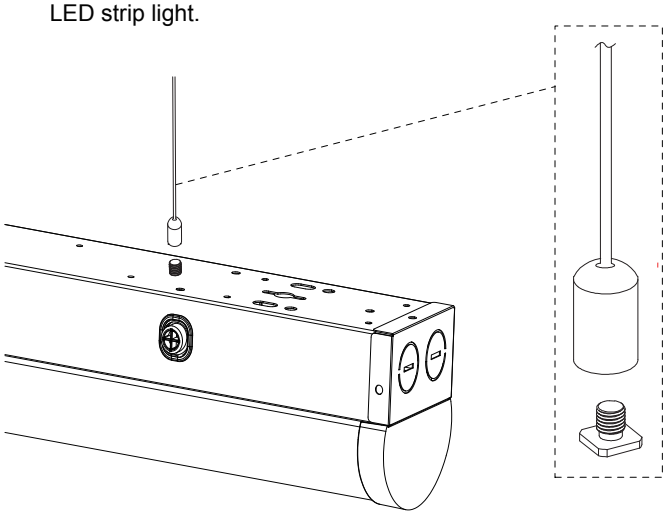




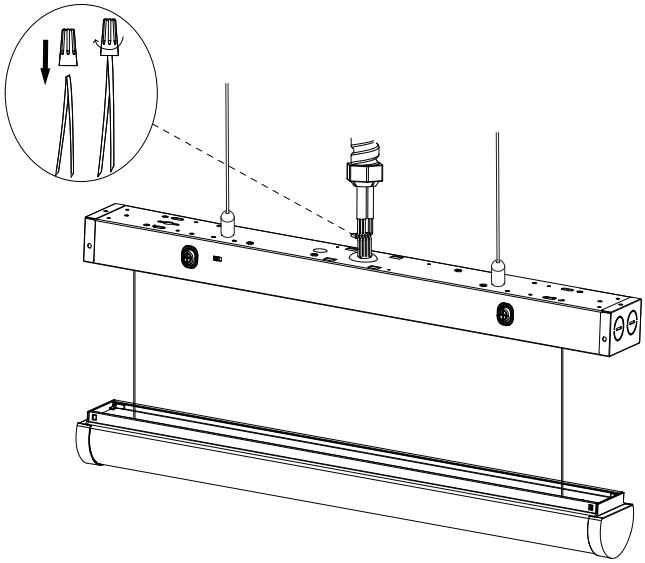
2. Adjusting the hanging rope length.

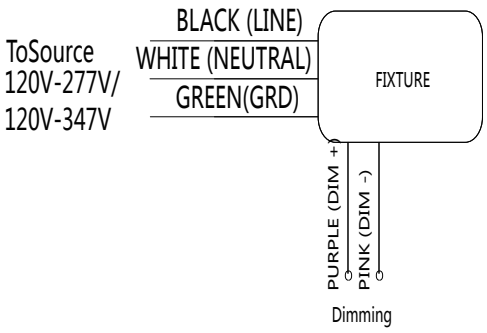


3. Use M5 square screw and M5 fixed head to fix LED strip light.

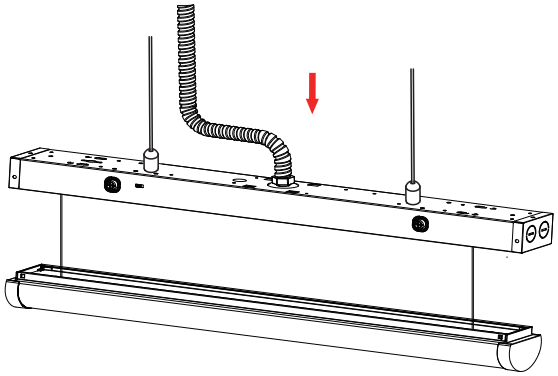


4.Turn off the power and wiring by using wire nuts.

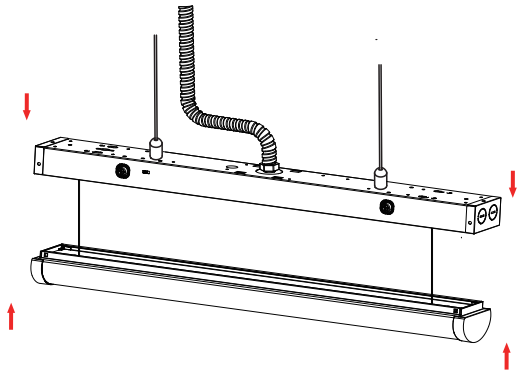




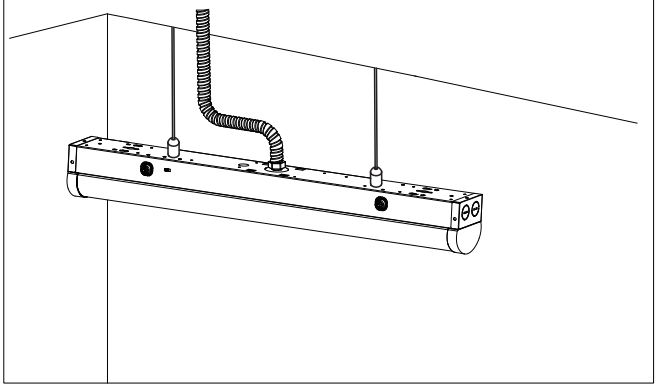
5.Insert the terminal block and wires into the lamp housing.



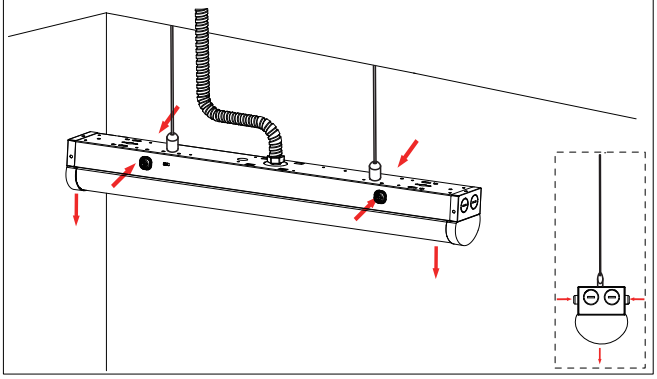
6.Press upward the cover and lock it.



7.The installation is completed and energize the luminaire to verify operation.



8.Swing open fixture by pushing in/squeezing both buttons located on opposite ends , if need to disassemble the fixture



C.Continuous Row Mounting

4G LED Strip Light Linkable QTY

Size	Watts	120V		277V		Suggested Linkable QTY
		Current	QTY	Current	QTY	
4FT	30/40/50W	0.46	10	0.2	24	≤10 PCS
8FT	50/60/70W	0.65	7	0.28	17	< 8 PCS

4G LED Strip Light Linkable QTY

Size	Watts	120V		347V		Suggested Linkable QTY
		Current	QTY	Current	QTY	
4FT	30/40/50W	0.46	10	0.16	30	≤10 PCS
8FT	50/60/70W	0.65	7	0.23	21	<8 PCS

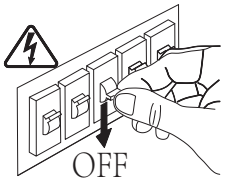
1.Surface-mounting continuous row mounting(daisy connection)

Parts List

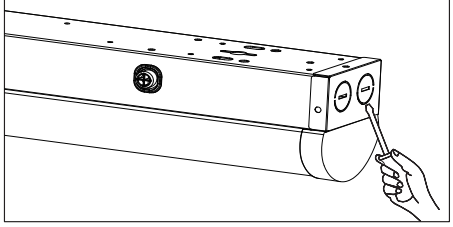
Continuous Row Mounting-4FT(included)	
	Parts: (1) Connection Bracket (1) Harness set (5) Wire Nuts (2) Anchors (2) Screws (2) Self-adhesive Cable Ties
Continuous Row Mounting-8FT(included)	
	Parts: (1) Connection Bracket (1) Harness set (5) Wire Nuts (4) Anchors (4) Screws (2) Self-adhesive Cable Ties

Installation instructions

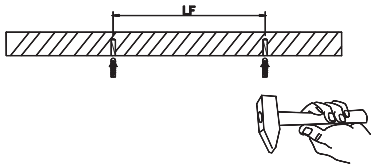
1. Turn off the power.



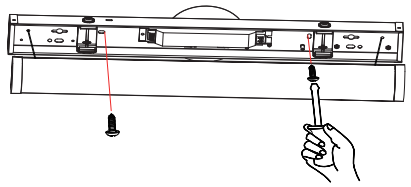
2. Screwed off the knockout hole at the end of lamp body.



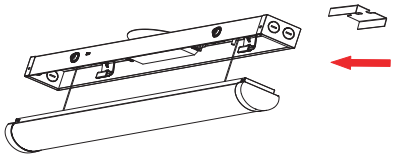
3. Drill holes at a suitable position on the wall and drive the anchor into the wall.



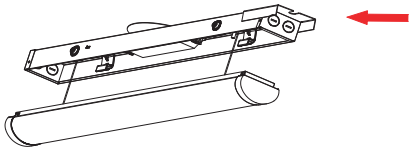
4. Use a screwdriver to tighten the screws to fix the lamp body on the wall.



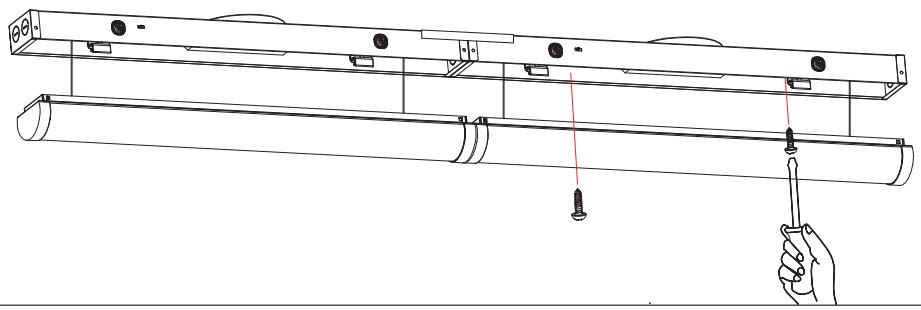
5. Fix the connection bracket on the wall.



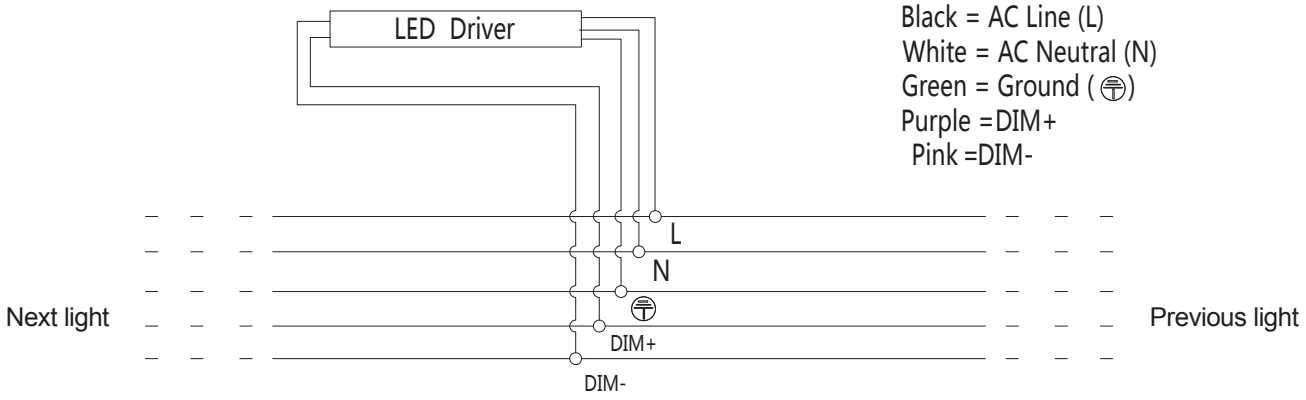
6. Insert the strip light into the connection bracket, then drill holes at a suitable position in the wall for installing the next strip light.



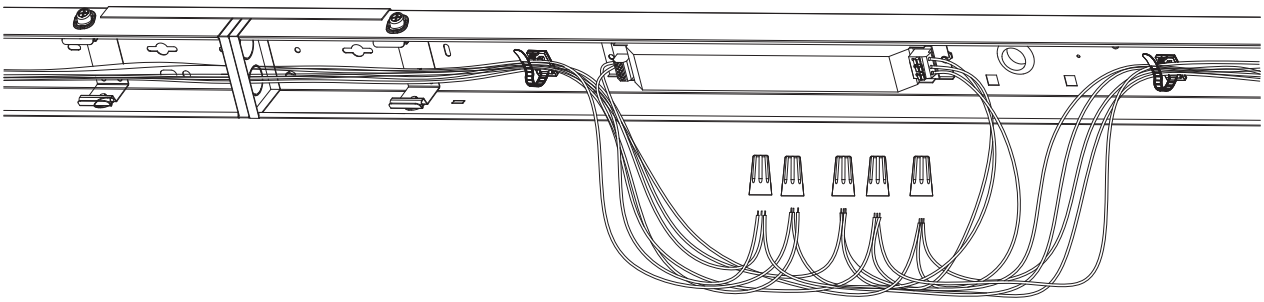
7. Fix the lamp body on the wall by screws, complete the installation; repeat the previous procedure to install the 3rd strip light, 4th strip light etc.



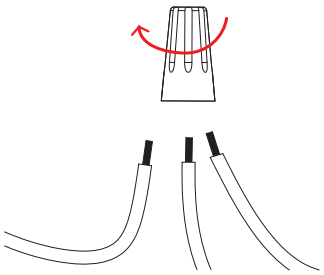
8. Wiring diagram.



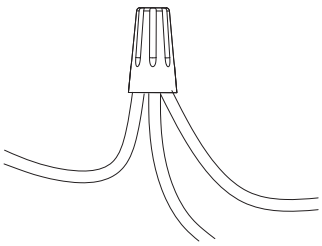
9.Take the black/white/green wire harness and connect to the existing wire connectors on the input wires of the driver respectively.When using the dimming function, take the purple and pink wire harness and make connection to driver. Please make wiring connection using the wiring diagram in Step 8.



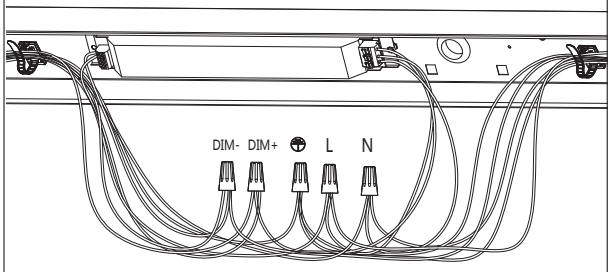
10.The same type of electronic wires are inserted into the same wire nut and combined into a parallel circuit.



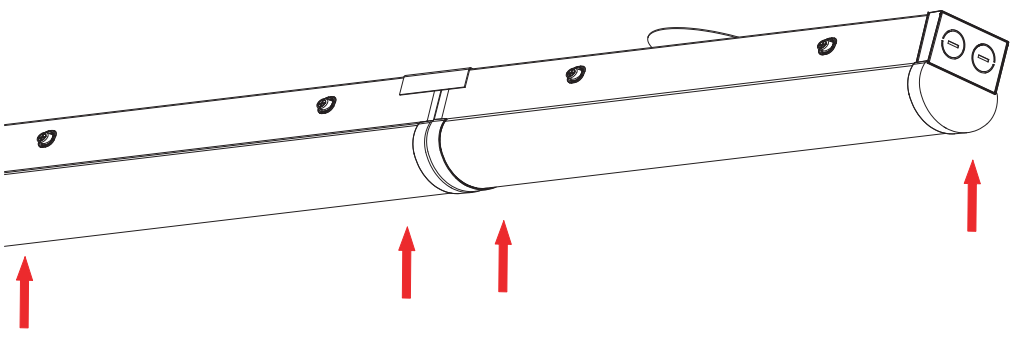
11.Tighten the wires in the wire nut as the photo shows below.



12.Once wiring is completed, take wire harness and run it thought the knockouts of the connecting fixture. Use self-adhesive cable ties to eliminate any cable tangles and clutter.



13.Secure the LED Cover to the housing by pressing upward and lock it into the fixture.
Energize the luminaire to verify operation.



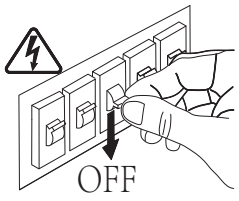
2. Suspending continuous row mounting(daisy connection)

Parts List

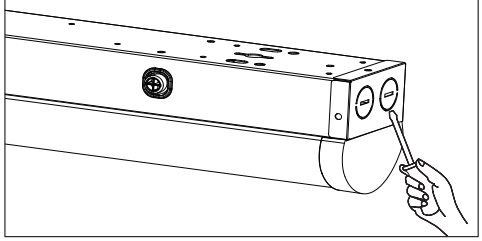
Continuous Row Mounting-4FT(included)	
	Parts: (1) Connection Bracket (1) Harness set (5) Wire Nuts (2) Anchors (10) Screws (2) Self-adhesive Cable Ties (2) Safety Rope
Continuous Row Mounting-8FT(included)	
	Parts: (1) Connection Bracket (1) Harness set (5) Wire Nuts (2) Anchors (12) Screws (4) Self-adhesive Cable Ties (2) Safety Rope

Installation instructions

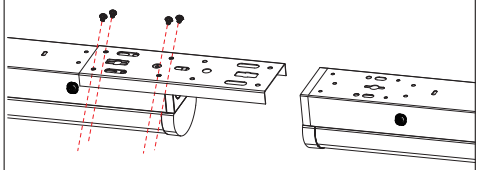
1. Turn off the power.



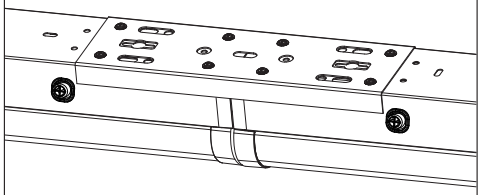
2. Screwed off the knockout hole at the end of lamp body.



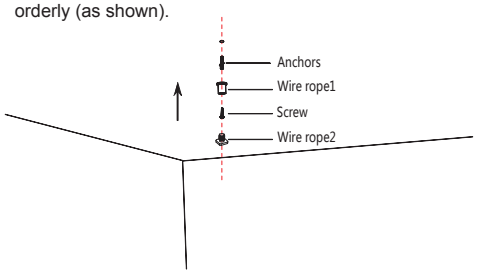
3. Fix the connectiion bracket at the end of one lamp with screw.



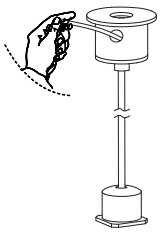
4. As shown, the drawing of connecting finished.



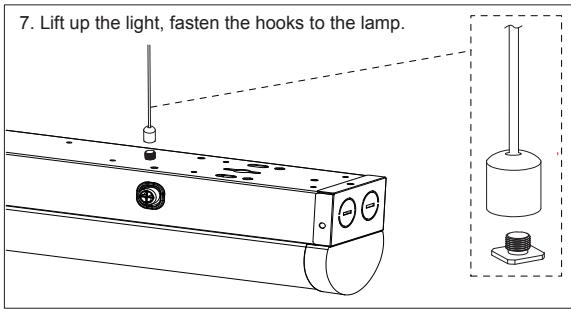
5. drill holes on the wall as well as lock the accessories orderly (as shown).



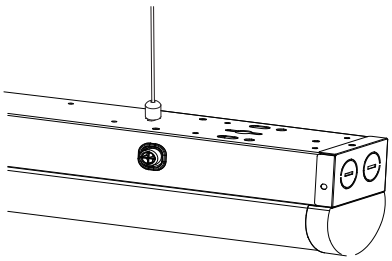
6.Adjust the length of safety rope rope after locked.



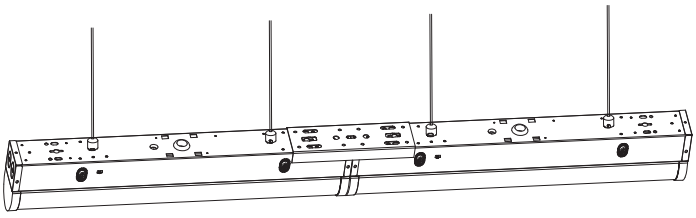
7. Lift up the light, fasten the hooks to the lamp.



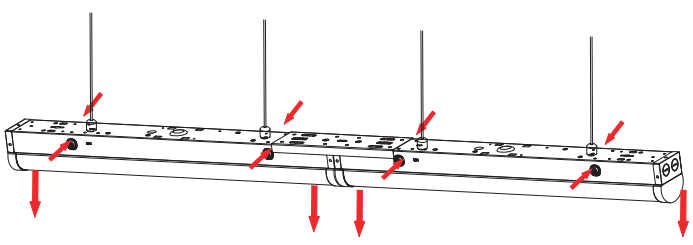
8.Finished safety rope installation as shown.



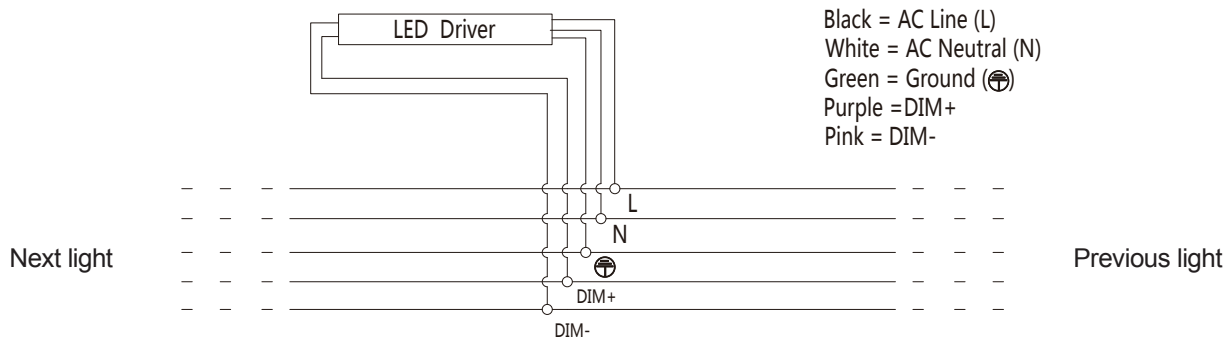
9.install all lamps which need suspending as step above.



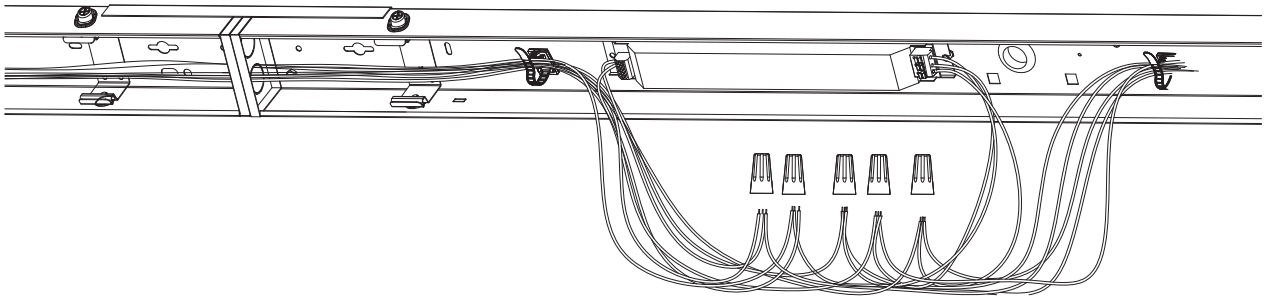
10.Press the button on both sides of light and remove LED Cover



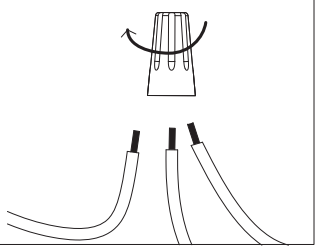
11.Wiring diagram.



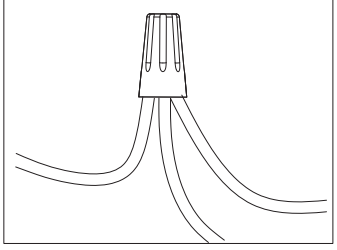
12.Take the black/white/green wire harness and connect to the existing wire connectors on the input wires of the driver respectively.
When using the dimming function, take the purple and pink wire harness and make connection to driver. Please make wiring connection using the wiring diagram in Step 11.



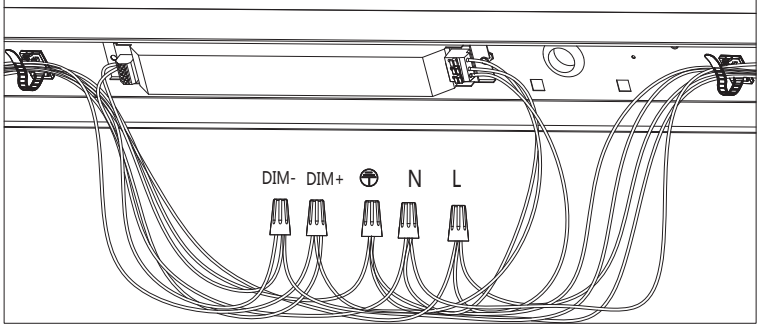
13.Insert the electronic wire into the wire nut.



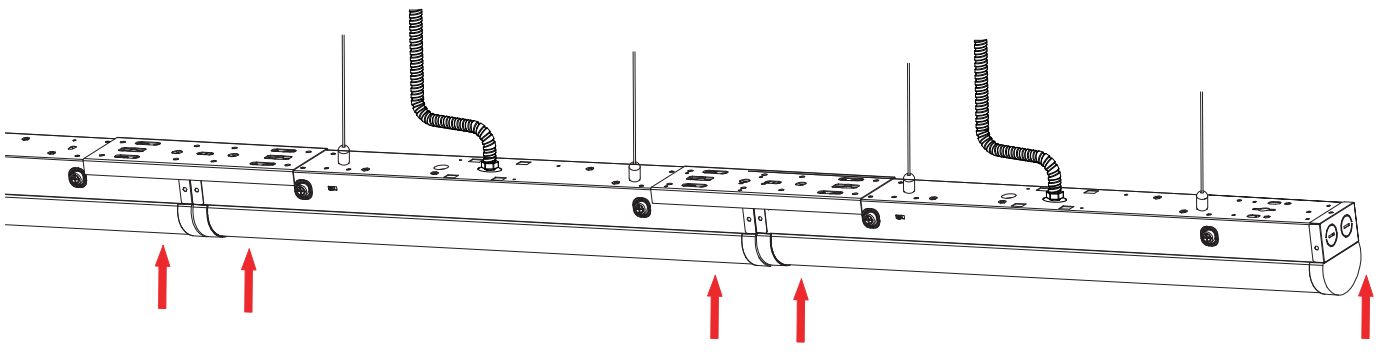
14.The same type of electronic wires are inserted into the same wire nut and combined into a parallel circuit.



15.Once wiring is completed, take wire harness and run it thought the knockouts of the connecting fixture. Use self-adhesive cable ties to eliminate any cable tangles and clutter.

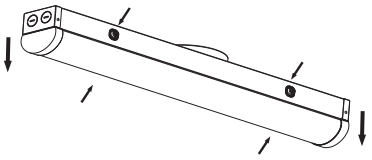


16. Secure the LED Cover to the housing by pressing upward and lock it into the fixture.
Energize the luminaire to verify operation.

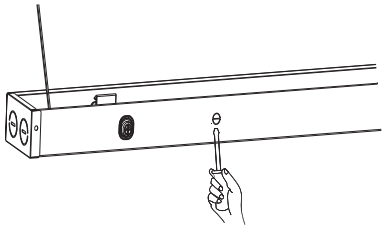


Installation of Emergency Power Supply

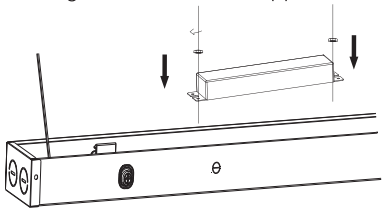
STEP 1: Press the Spring buttons and remove fixture cover/diffuser.



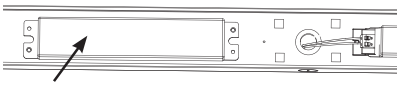
STEP 2: Use a flat screwdriver to remove knockouts on the bottom of fixture housing.



STEP 3: Align the Emergency power supply with the studs on the bottom housing and secure with supplied nuts.



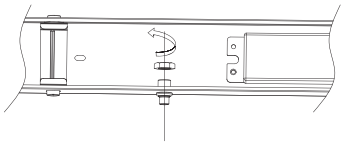
STEP 4: Image of the Emergency power supply installed.

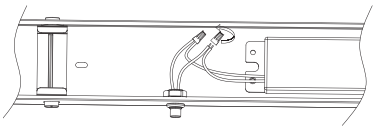


Optional Emergency power supply

STEP 5: Remove plastic nut from the Test/Indicator button.

STEP 6: Install the Test/Indicator button through the knockout on the side of the fixture housing and secure with plastic nut.

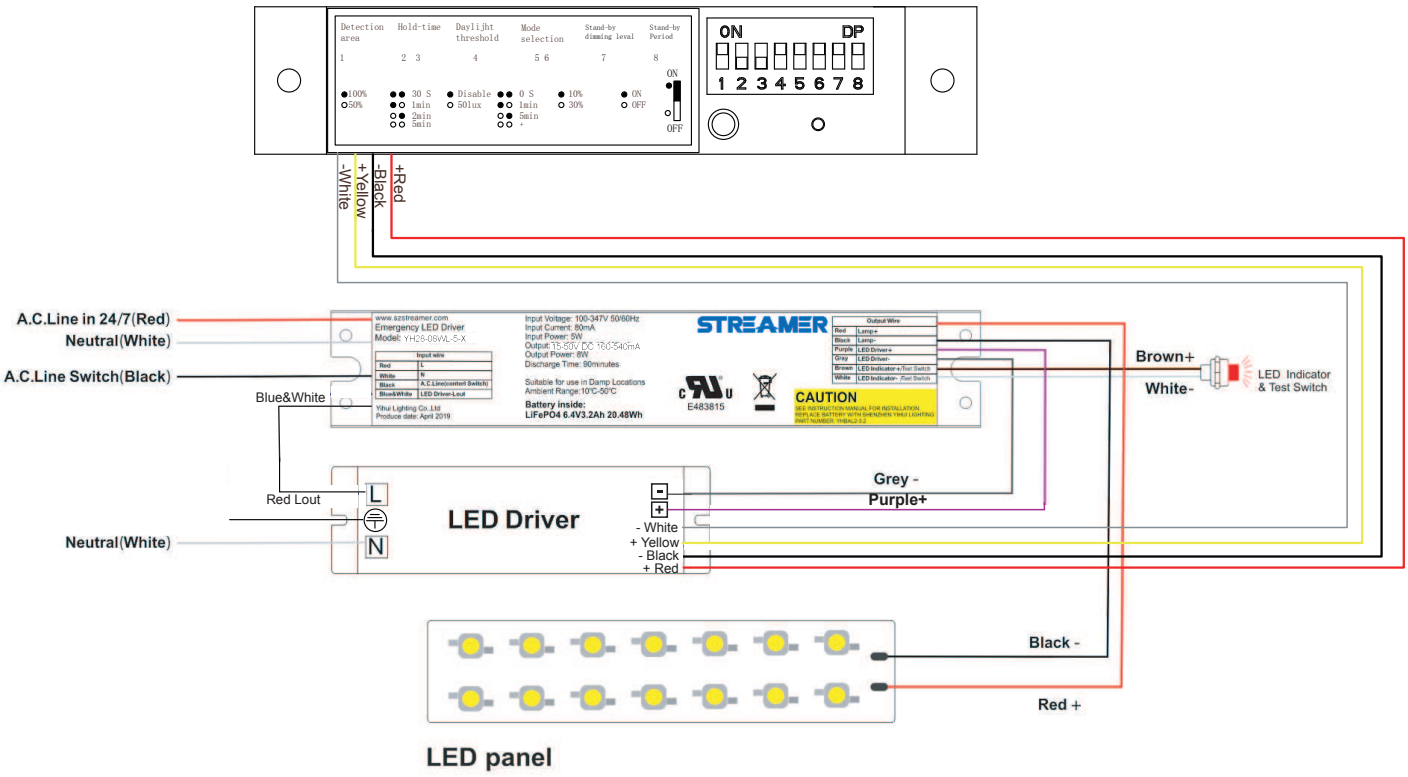




STEP 7: Connect wire leads from Test/Indicator button to wire leads from the Emergency power supply.

Wiring Diagrams

In order to avoid interference between the microwave sensors during operation, the installation distance between the lamps should not be less than one meter.



Note

1.The installation and maintenance must be completed by electricians or professionals.
2.Please cut off the power before installation and maintenance.
3.The thermally insulating material is not allowed to cover the fixture.
4.Please keep away from the corrosive substance, and keep the fixture dry and clean.
5.Working temperature: -4°F~113°F, storage temperature: -22°F~140°F.

Important

Read this instruction carefully before installation. Keep it for further reference.
Make electrical and grounded connections in accordance with the national electrical code and any applicable code. Always turn off the power supply before installation.
This product must be installed in accordance with the applicable installation code by a qualified electrician who is familiar with the construction and operation of the product and the hazards involved.

WARNING:

⚠ Risk of fire or electric shock. Fixture installation requires knowledge of luminaires electrical systems. If not qualified, DO NOT attempt installation. Contact a qualified electrician.

⚠ Risk of fire or electric shock. Suitable for wet locations. Always turn off the power supply before installation.

⚠ Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.

⚠ DO NOT install fixture on unstable, loose or easily breakable surface.

⚠ DO NOT exert force on the surface of the fixture.

Packing /weight

Packing Ⅰ

Size	Inner box (L*W*H)	Outer box (L*W*H)	Qty/CTN (pcs)	N.W./pcs (lbs/kg)	G.W./CTN (lbs/kg)	Remark
4ft	48.8″*3.54″*4.13″ 1240*90*105mm	49.6″*11.8″*9.84″ 1260*300*250mm	6	3.75/1.7	26.5/12.1	With inner box
8ft	96.8″*3.54″*4.13″ 2458*90*105mm	97.6″*8.07″*9.84″ 2478*205*250mm	4	7.2/3.28	5/14.8	

Packing Ⅱ

Size	Outer box (L*W*H)	Qty/CTN (pcs)	N.W./pcs (lbs/kg)	G.W./CTN (lbs/kg)	Remark
4ft	49.4″*10.8″*8.27″ 1255*275*210mm	6	3.75/1.7	29.1/13.1	Without inner box
8ft	97.4″*7.48″*8.27″ 2475*190*210mm	4	7.2/3.28	35.9/16.2	

C&C LIGHTING