

INSTALLATION INSTRUCTIONS



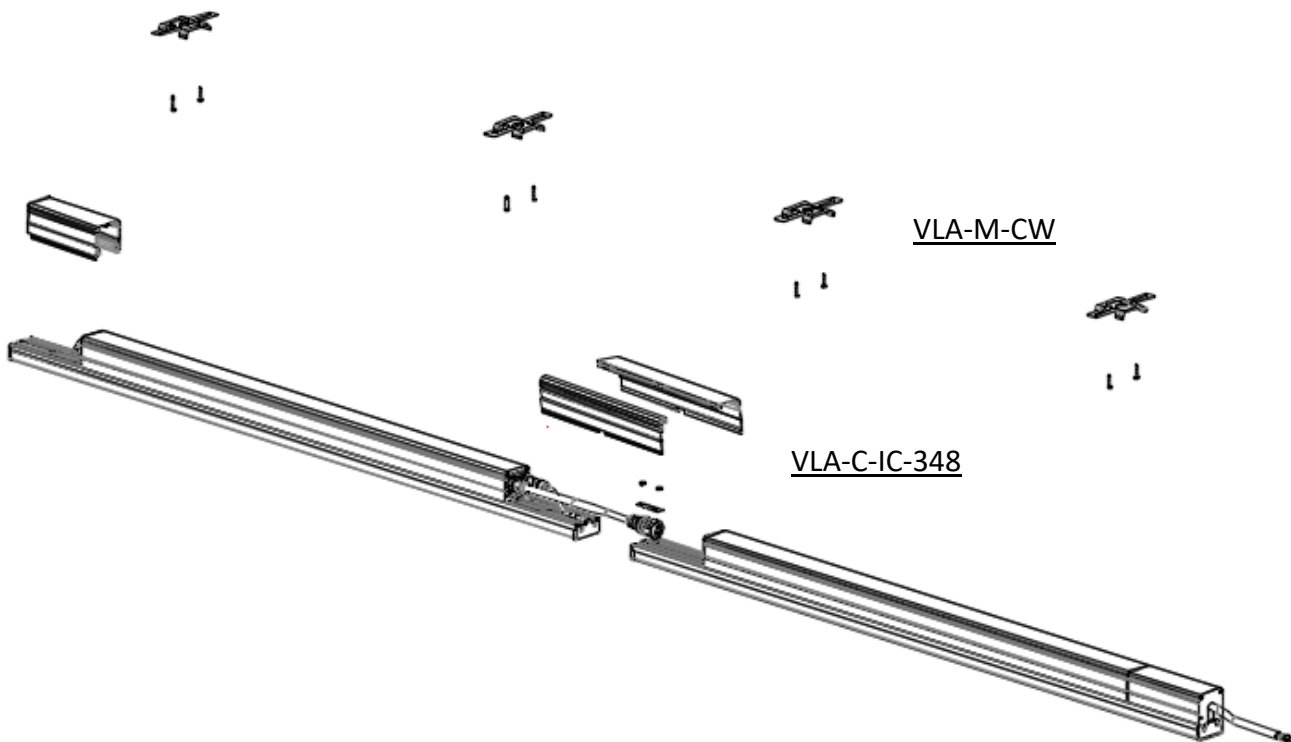
BEFORE YOU BEGIN

Read these instructions completely and follow.

1. To avoid the possibility of electrical shock, turn off power supply before installation.
2. To avoid the possibility of fire, Product must be installed in accordance with NEC and your local electrical code.
3. Repair the lamps after 30 minutes of power off.
4. Based on security considerations, 2 people may be necessary during installation.
The VL series allows a maximum current of **10A**. Please note that the number of luminaire connections does not exceed the allowed power. Please refer to the electrical connections (page 7).
5. We recommend that the luminaire be installed on the gypsum board. The gypsum board thickness is 1/2" or higher is better.

TO INSTALL

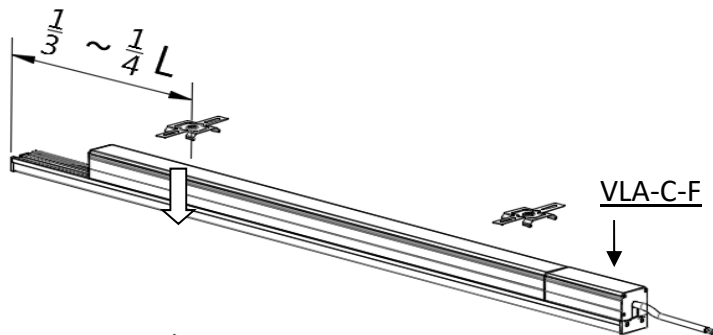
Ceiling Mount / Wall Mount (VLA-M-CW)



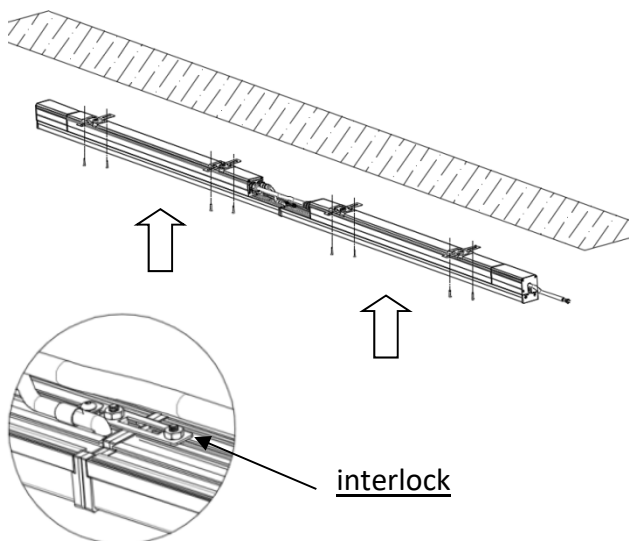
1. Install the clips on the lamp.

2/3/4 Ft: 2 Clips

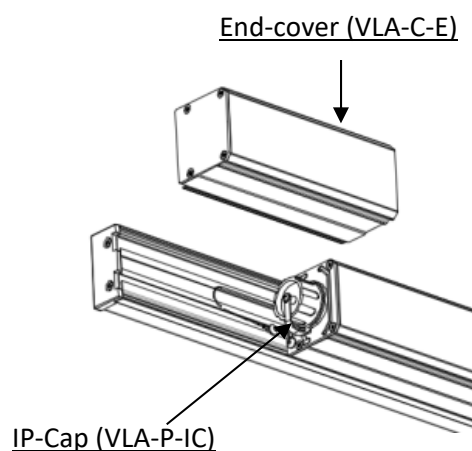
8ft: 3 Clips



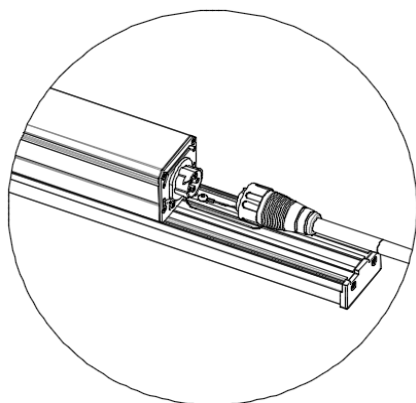
2. Fix the fixtures to the ceiling or wall with screws. Connect and lock the interlock.



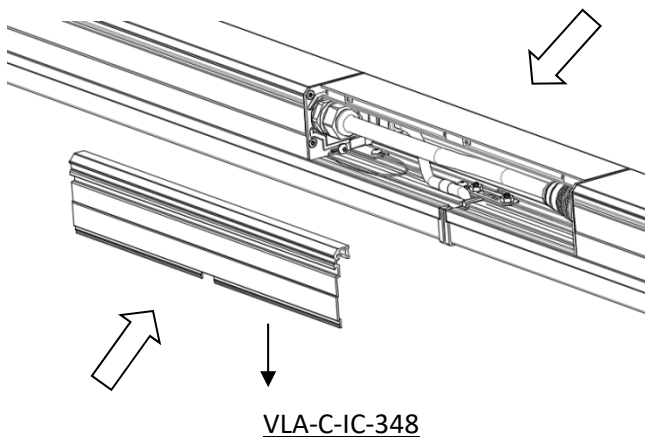
3. Install the IP-cap of the last lamp and put on the End-cover before fixing the fixture.



4. Connect the power cord of the rear fixtures to the front fixtures. Install the interconnections cover (VLA-C-IC-348).

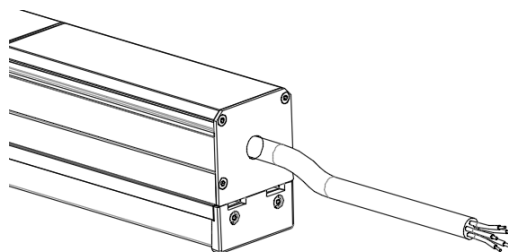


Connect the power cord

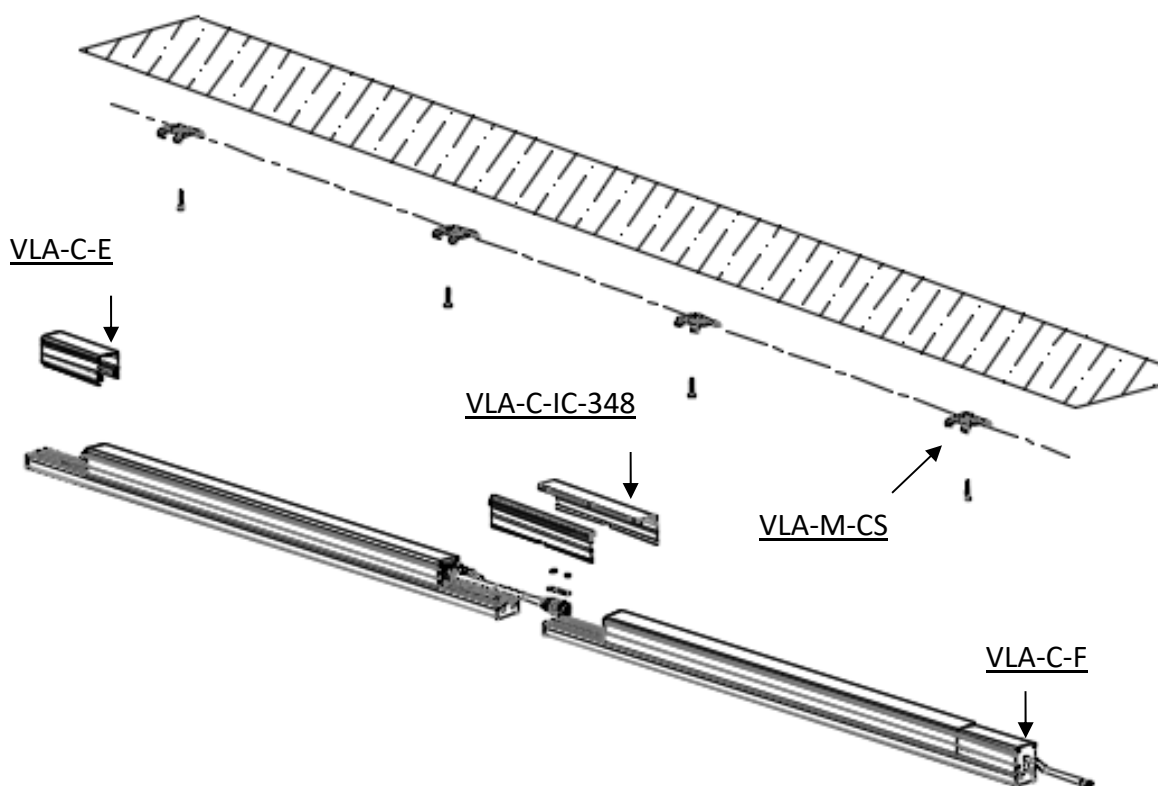


5. Connect the power cord to the supply wiring per the Electrical Connections section.

L: Black
N: White
G: Green
DIM +: Red or Violet
DIM -: Yellow or



Ceiling Mount / Wall Mount (VLA-M-CS)

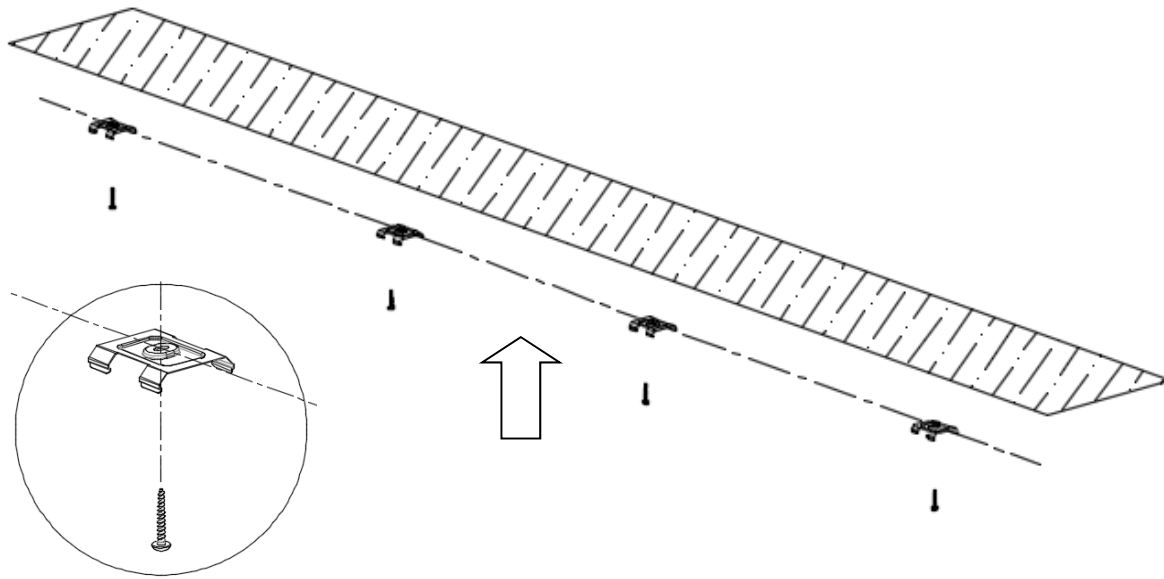


1. Fix the clips with the screws on the ceiling.

2/3/4 Ft: 2 Clips

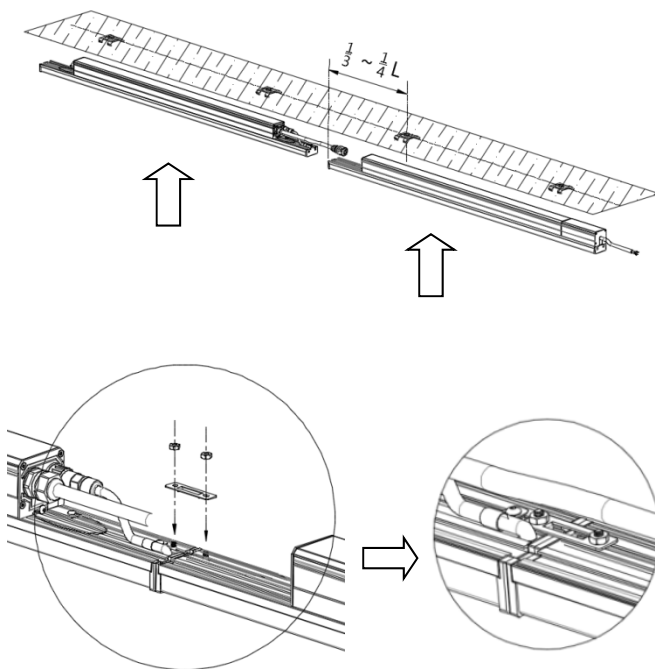
8ft: 3 Clips

The alignment of the clip mounting is very important and can seriously affect the installation of the fixture.

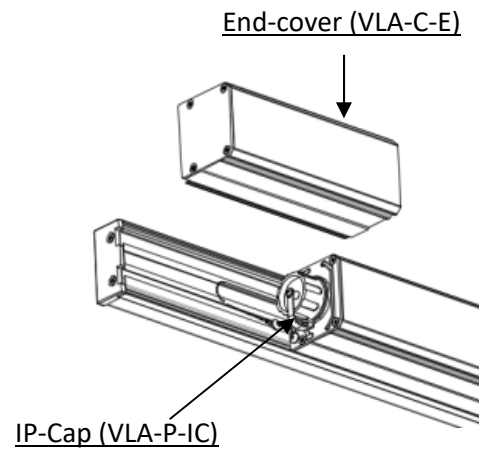


2. Install the fixtures into the clips on the ceiling. Connect and lock the interlock.

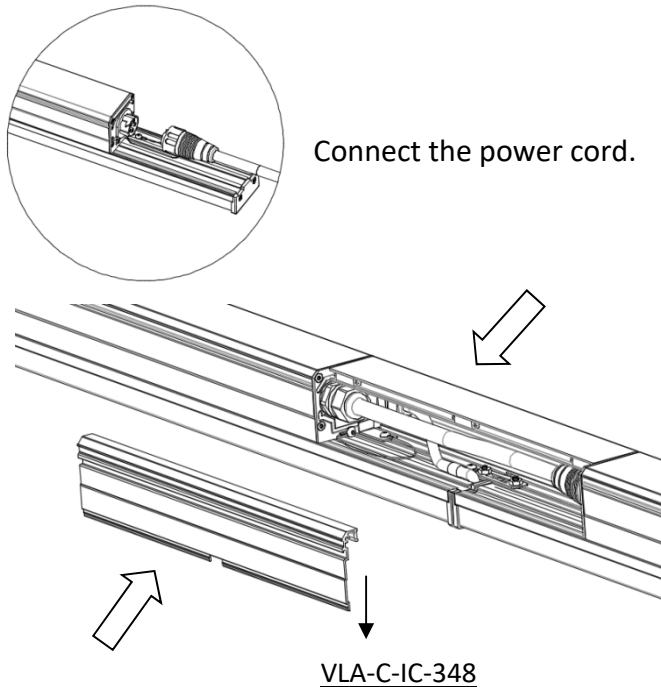
3. Install the IP-cap of the last lamp and put on the End-cover before fixing the fixture.



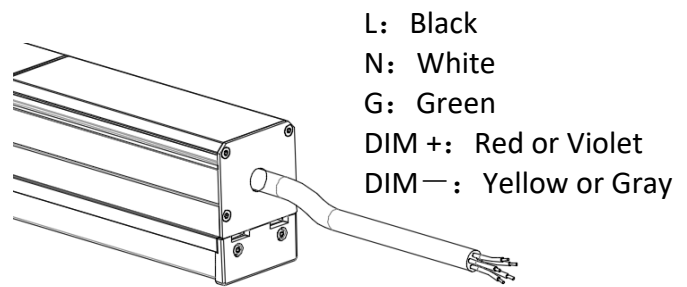
Fix the interlock



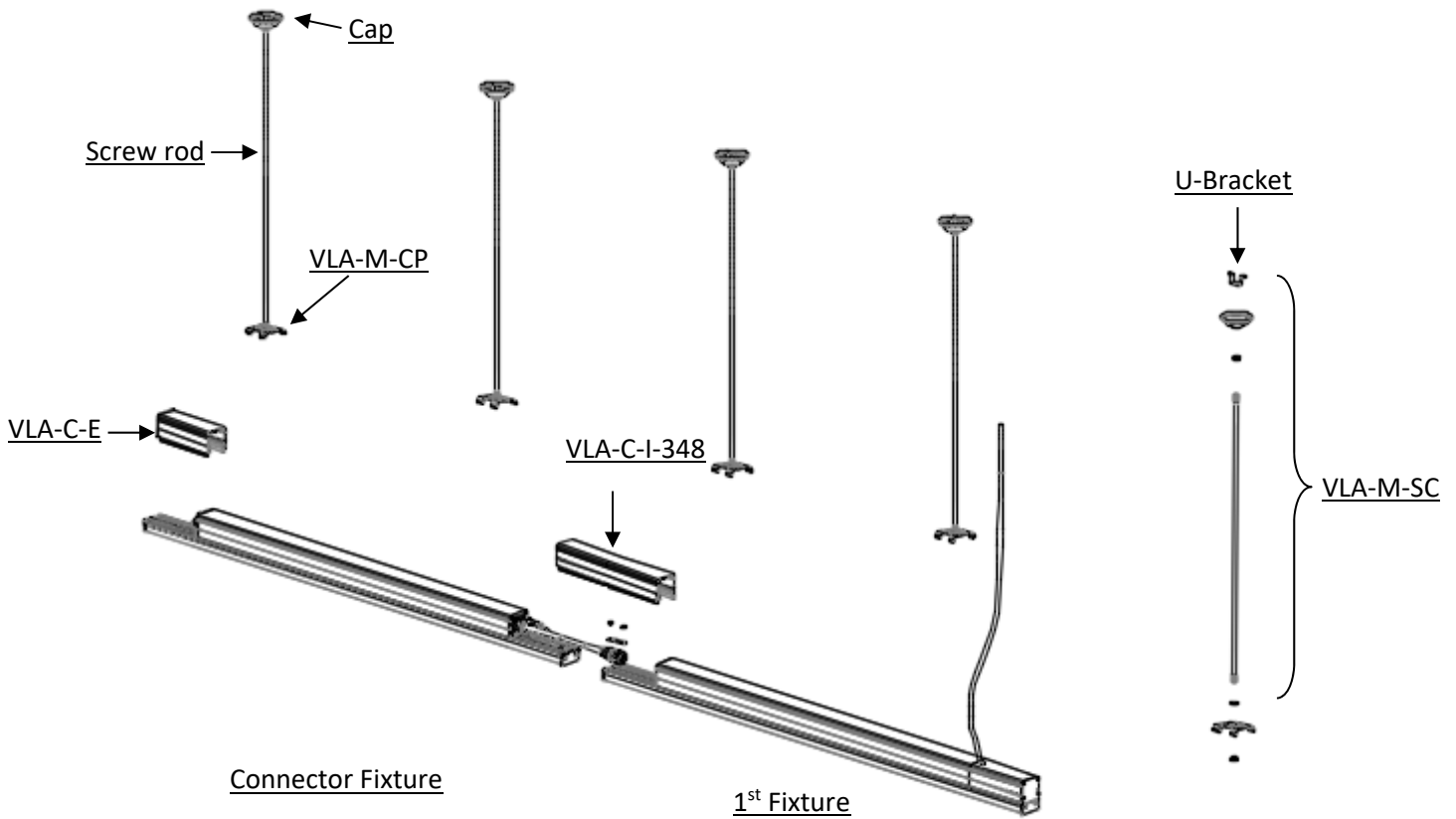
4. Connect the power cord of the rear fixtures to the front fixtures. Install the interconnections cover (VLA-C-IC-348).



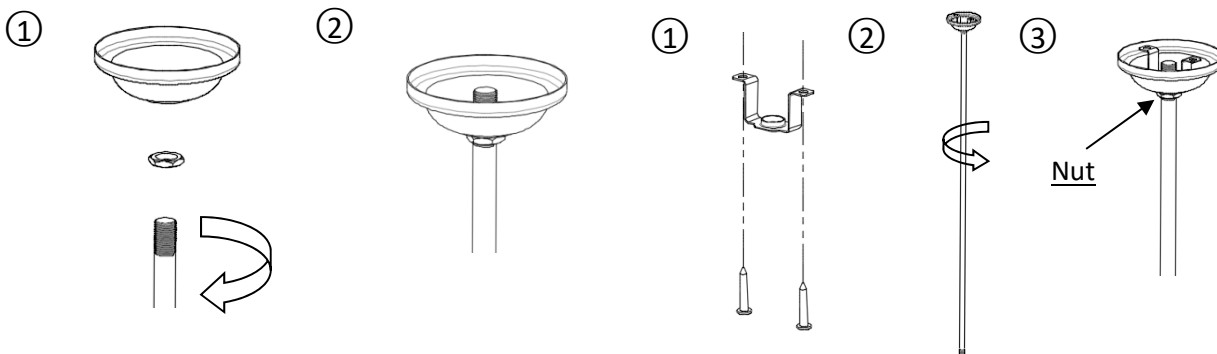
5. Connect the cord to the supply wiring per the Electrical Connections section.



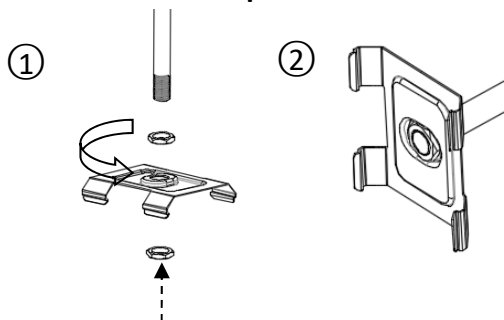
Pendant Mount



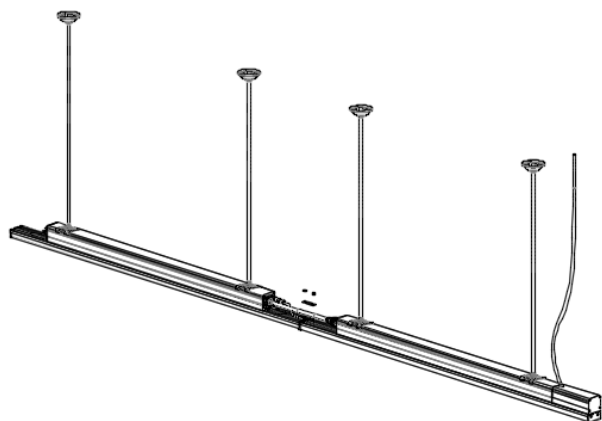
1. Turn the nut into the bottom of the screw rod. Then put the cap into the screw rod.
2. Fix the U-bracket to the ceiling with screws. Turn the screw rod counterclockwise into the U-bracket, and then lock the nut.



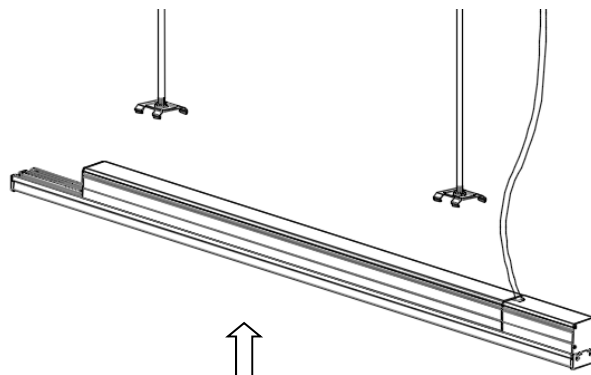
3. Turn the nuts and Clips into the screw rod in a counterclockwise direction. Then tight the nut after check the direction of clips. The screw rods cannot protrude the bottom of the clip.



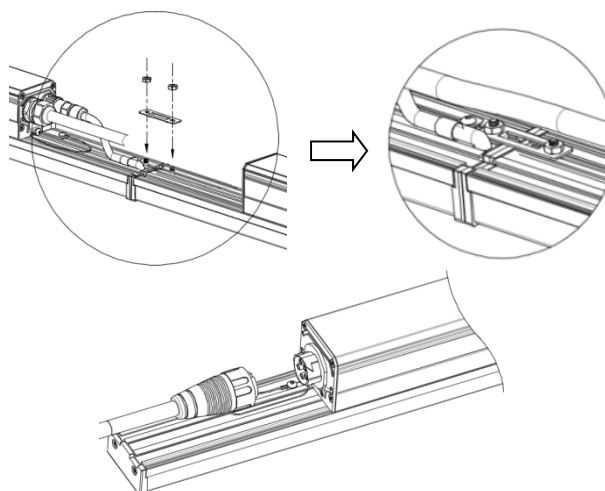
5. Repeat steps 1~4 to install other fixtures.



4. Install the luminaries into the clip.(8 ft fixtures need 3 clips)

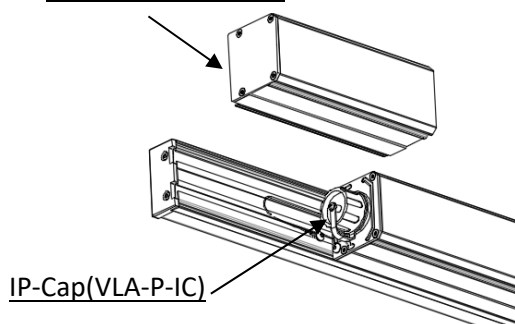


6. Fix the interlock before joint waterproof connector. Then put on the interconnection cover (VLA-C-I-348)



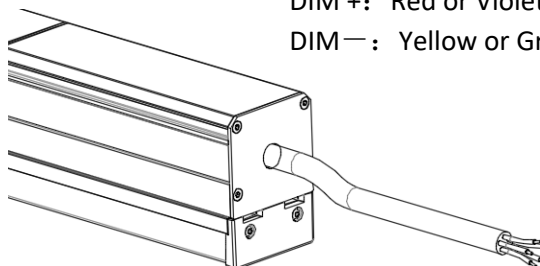
7. Install the Cap & Cover
7-1 Install IP-cap of the last lamp.
7-2 Install the End-cover.
7-3 Install all of the covers.

End-cover (VLA-C-E)

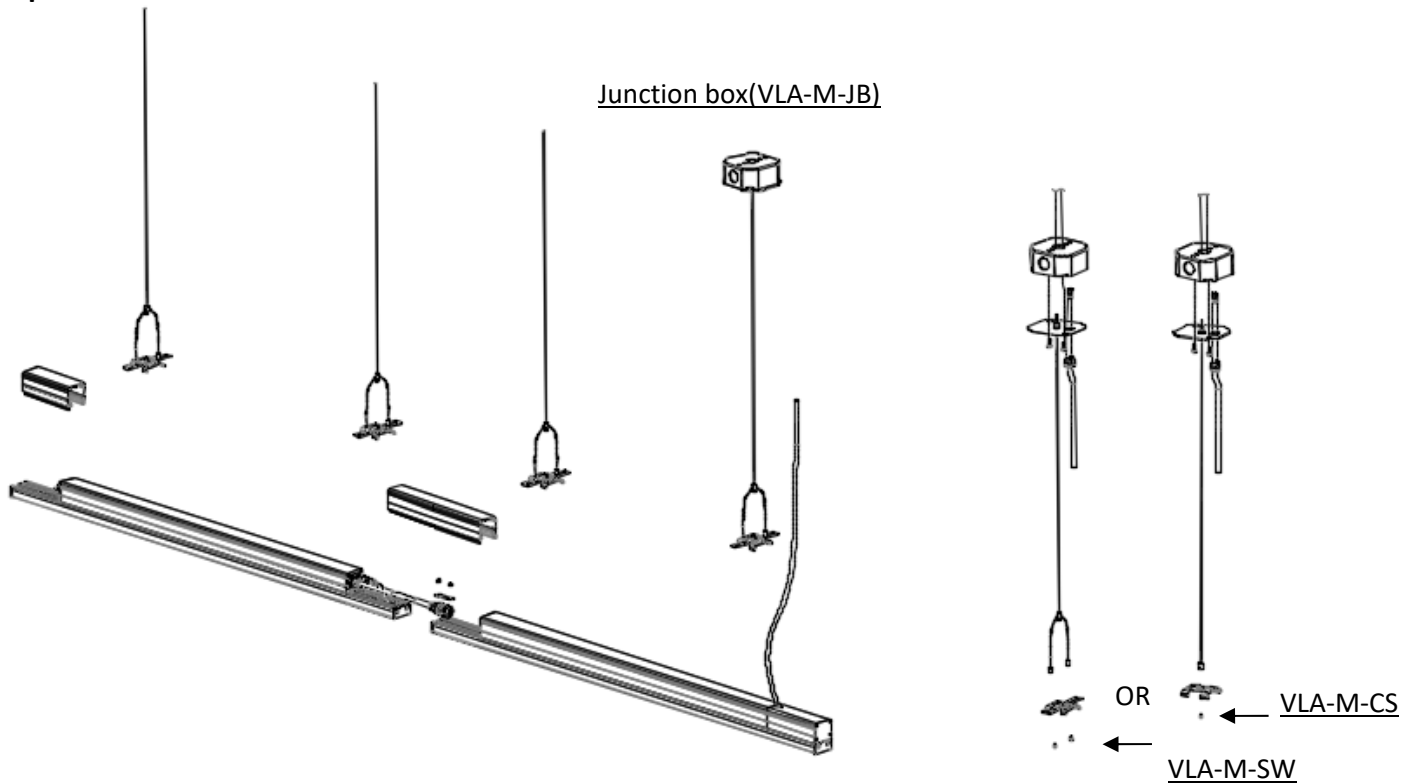


8. Connect the power cord to the supply wiring per the Electrical Connections section.

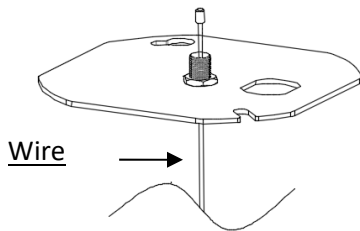
L: Black
N: White
G: Green
DIM +: Red or Violet
DIM -: Yellow or Gray



Suspension Mount



1. Fix the wire anchor to the junction box cover. And adjust the length of the wire. Do not cut the wire.
2. Fix the wire connectors and clips.



Balance adjustment screw

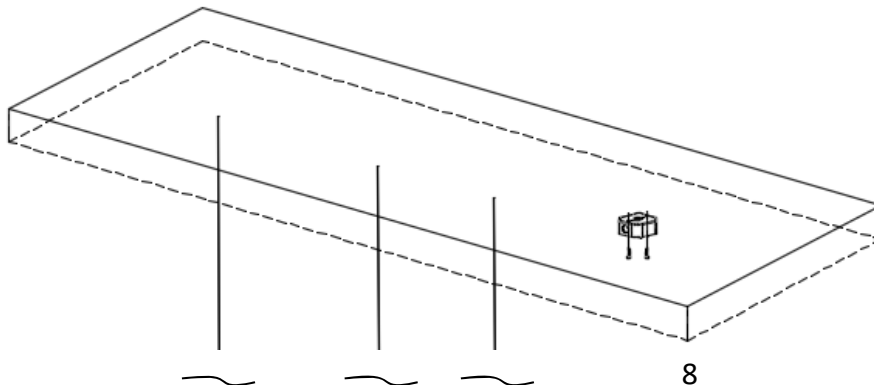
Wire connector

Clip (VLA-M-CW)

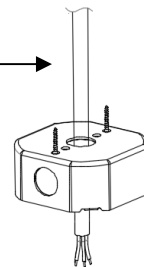
OR

Clip (VLA-M-CS)

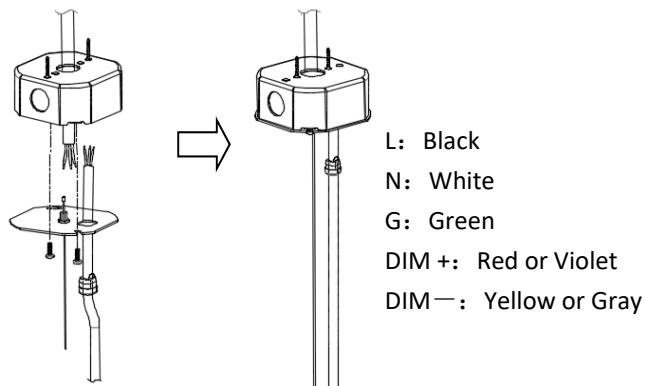
3. Fix the junction boxes to the ceiling with the screws.



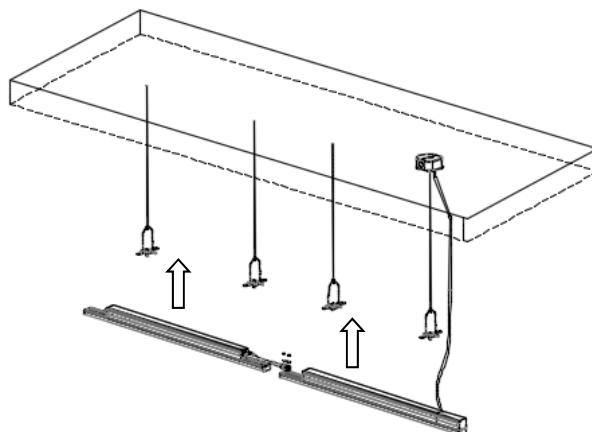
Supply Wiring



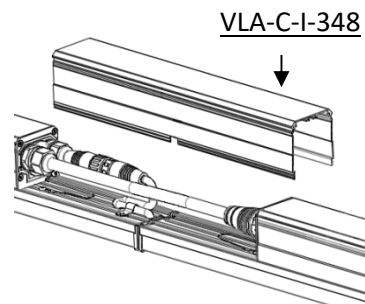
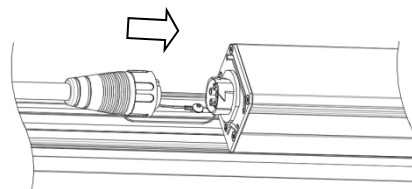
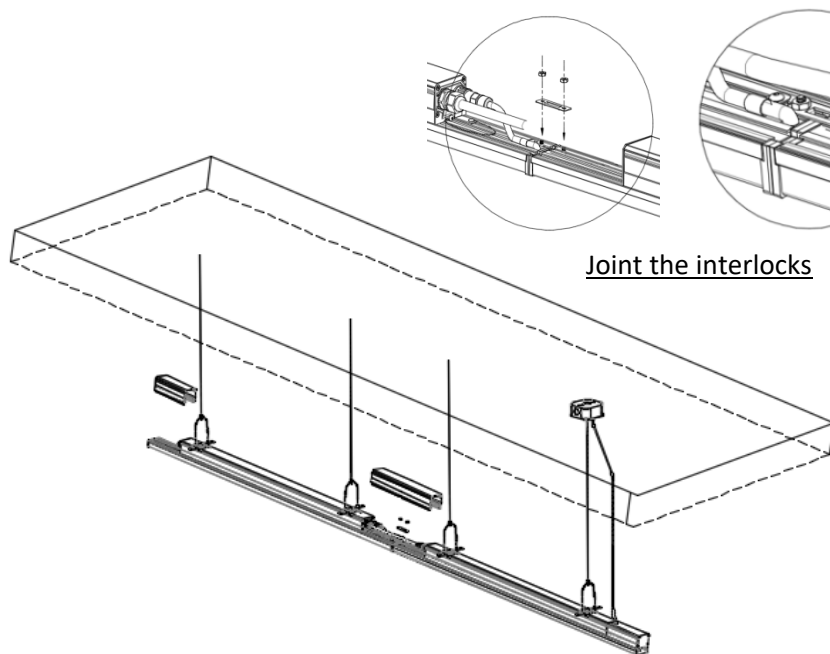
4. Connect the cord to the supply wiring per the Electrical Connections section. Joint the junction boxes and the wire assemblies.



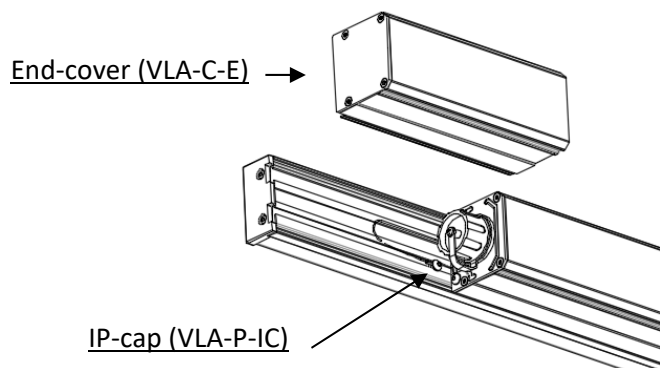
5. Joint the fixtures and Clips.



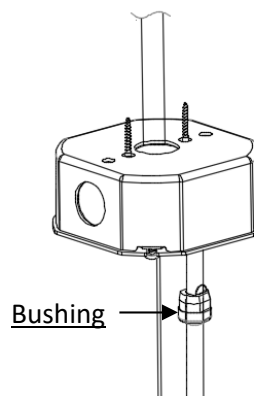
6. Joint the interlocks, connectors and covers in order.



7. Install the IP Cap & End Cover in order on last fixture.

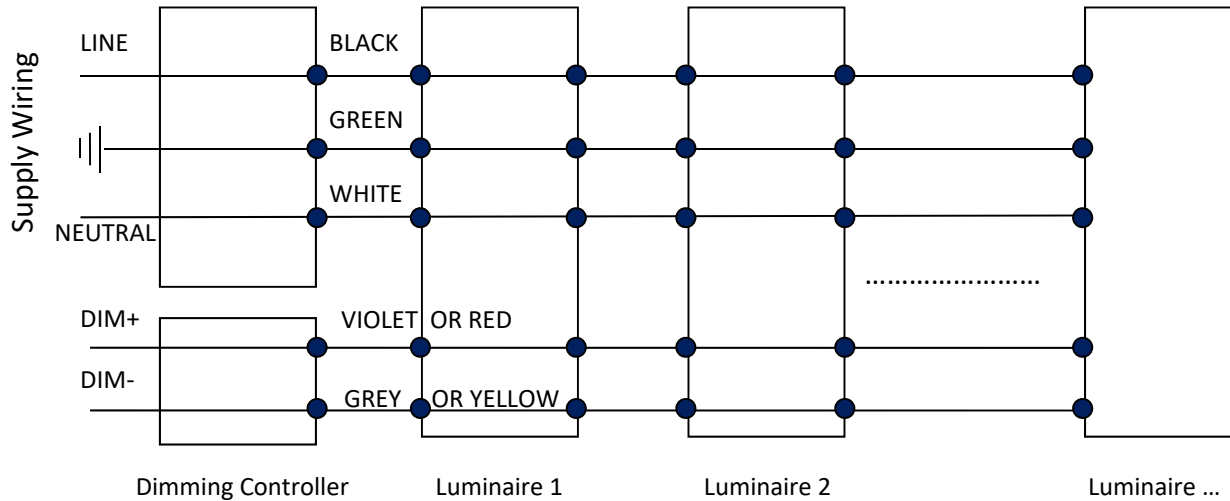


8. Adjust the length of power cord and Insert the bushing into the cover.



ELECTRICAL CONNECTIONS

1. Wiring diagram





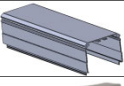
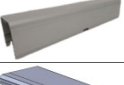
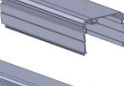
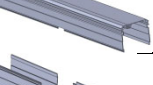
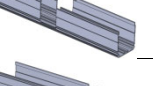
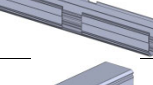







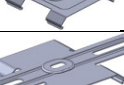
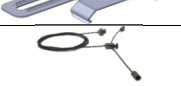
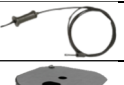



2. Number of connections

The VL series allows a maximum current of **10A**. Please note that the number of luminaire connections does not exceed the allowed power.

	2ft			3ft			4ft			8ft		
Power Consumption(W)	9	18	25	14	27	38	18	36	50	36	72	98
Current (A) / 120V	0.08	0.15	0.21	0.12	0.23	0.32	0.15	0.30	0.42	0.30	0.60	0.82
Current (A) / 277V	0.03	0.06	0.09	0.05	0.10	0.14	0.06	0.13	0.18	0.13	0.26	0.35
Number of connections @120V	133	66	48	85	44	31	66	33	24	33	16	12
Number of connections @277V	307	153	110	197	102	72	153	76	55	76	38	28

	Voltage	Total Length (ft)
VLL	120	270
	277	620
VLM	120	135
	277	300
VLH	120	95
	277	225

Accessories List

Category	Item	Picture	Description
COVER ACCESSORIES	VLA-C-F		Front Cover
	VLA-C-E		End Cover
	VLA-C-I-2		Interconnection Cover For 2ft
	VLA-C-I-348		Interconnection Cover For 3/4/8ft
	VLA-C-IC-2		Interconnection Cover Ceiling For 2ft
	VLA-C-IC-348		Interconnection Cover Ceiling For 3/4/8ft
	VLA-C-X		Cover for X Connect
	VLA-C-T		Cover for T Connect
	VLA-C-L		Cover for L Connect
POWER CORDS & ACCESSORIES	VLA-P-X		X Connector
	VLA-P-T		T Connector
	VLA-P-IC		IP66 power cap
	VLA-P-PC6		Power Cord 6 ft
	VLA-P-IC6		Interconnecting Power Cord 6 ft
MOUNTING ACCESSORIES	VLA-M-CS		Clip Suspension/Ceiling
	VLA-M-CP		Clip-P Pendant
	VLA-M-CW		Clip
	VLA-M-SWY		Suspension Wire 5ft Y
	VLA-M-SW		Suspension Wire 5ft
	VLA-M-JB		J-box
	VLA-M-SC		Pendant Mount Screw-Rod & Cap 3/8"(3ft)