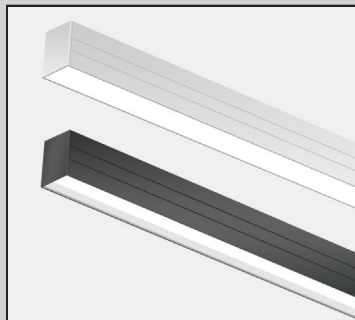


INSTALLATION GUIDE:

Recessed Linear LED

2FT, 3FT, 4FT, 8FT - CCT & Wattage Adjustable

VSL22ICCTRD/VSL32ICCTRD/VSL42ICCTRD/VSL82ICCTRD



TOOLS YOU MAY NEED



GOGGLES



TAPE MEASURE



RUBBER
GLOVES



PHILLIPS
SCREW DRIVER



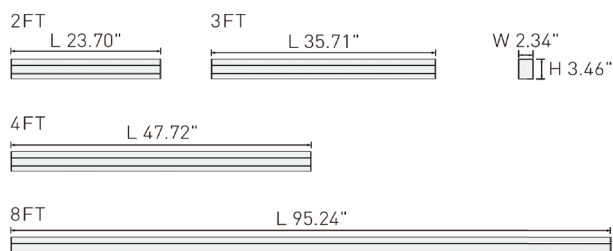
DRILL



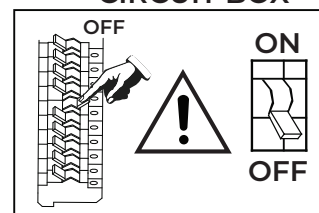
LADDER



FOR YOUR SAFETY, READ AND UNDERSTAND FOLLOW INSTRUCTIONS!
KEEP THE INSTRUCTIONS IN SAFE PLACE FOR FUTURE REFERENCE!



CIRCUIT BOX



LED INFO & WARNINGS

Please read and understand the entire manual before attempting to assemble, operate, or install the product.	Make sure that you have all necessary parts by checking the parts list. If any part is missing or damaged please contact VONN LIGHTING CUSTOMER SERVICE at 888-604-8666 for a replacement.
All parts must be used as indicated in these instructions. Do not substitute any parts, leave parts out, or use any parts that are worn or broken.	Inspect the LED fixture prior to installation to make sure that it has not been damaged during shipping.
Please handle the LED light with care when unpacking. Do not apply pressure to the LED's, do not open any factory sealed compartments, and do not touch the LEDs with your hands.	VONN highly recommends to use a qualified, licensed electrician to install the fixture.
VONN recommends to install the fixture on its own independent circuit. Do not install the fixture on the same circuit with the other appliances, or HVAC systems.	Do not remove or replace VONN manufactured parts that is provided with the fixture.
Place the wall switch in the "OFF" position of the room you are installing the fixture.	Shut "OFF" the electricity at main fuse box.

Instructions



2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE DRY CEILING



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

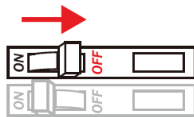
IMPORTANT

1. Read all instructions.
2. Install in accordance with national and local electrical code regulations.
3. This product is intended to be installed and serviced by a qualified, licensed electrician.
4. Do not install in wet locations. For dry and damp use only.
5. Turn off electrical power before installing or servicing fixture in any way.
6. To reduce the risk of fire and overheating, make sure all connections are tight.
7. Under no circumstances can the lighting fixture be covered with heat insulation gasket or similar materials.
8. The maximum connection of each input line is 40FT in 120AC, 100FT in 277AC.

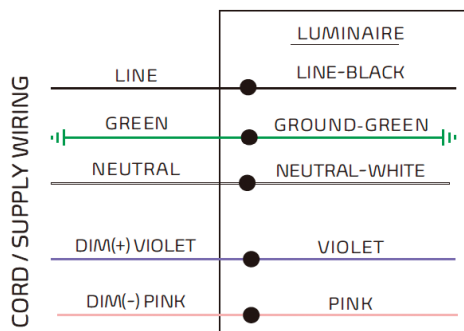
SHOCK HAZARD



May result in serious injury or death.
Turn power OFF at circuit breaker prior to installation or servicing.



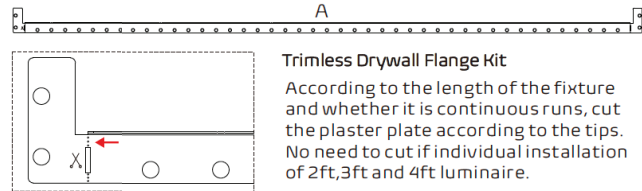
WIRING



Please isolate two dimming wires by P2 terminal individually if no need dimming; Must connect wires with corresponding colors as shown.

PARTS LISTS

MUD-IN DRYWALL



Trimless Drywall Flange Kit

According to the length of the fixture and whether it is continuous runs, cut the plaster plate according to the tips. No need to cut if individual installation of 2ft, 3ft and 4ft luminaire.

B



Screws

Screws to fix the drywall flange kit to housing

C



Screws

Screws to fix the drywall flange kit to drywall

D



PC Diffuser

Optional continuous rolling lens which can reach seamless continue runs up to 42' is available.

E



Silicone Seal

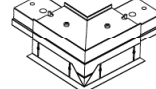
Note: Silicone seal is used to seal seams that may appear at both ends of luminaires when multiple connections.

F



"—" Joiner

G



"L" Joiner

H



Safety Stud

Instructions



2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE DRY CEILING - Trimless Drywall Wood Panel

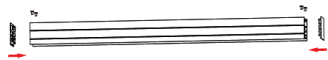


RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

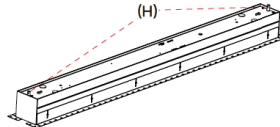
BEFORE CONNECTING

INDEPENDENT INSTALLATION

① Install end caps as shown.



② Install drywall flange kit (A) and safety stud (H) as shown



③ Secure the LED modules with aircraft cable and connect the DC male and female terminals



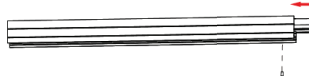
MULTIPLE LUMINAIRES CONNECTION – LINE CONNECTION

① Install end caps and line joiners

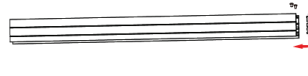
START OF RUN
Install end caps and Line joiners as shown
INPUT END



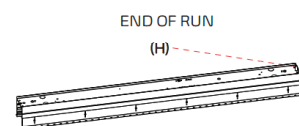
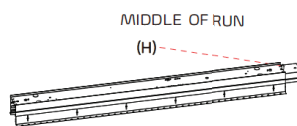
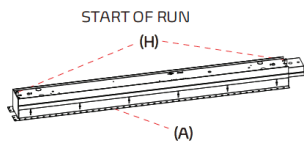
MIDDLE OF RUN
Install Line joiners as shown
INPUT END



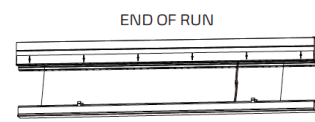
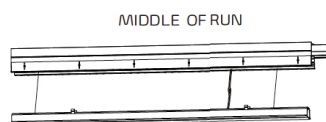
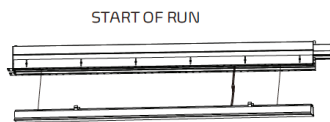
END OF RUN
Install end caps as shown
INPUT END



② Install drywall flange kit (A) and safety stud (H) as shown

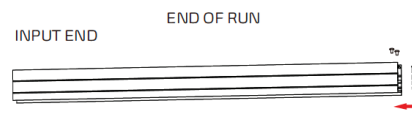
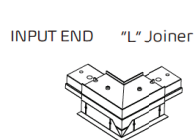
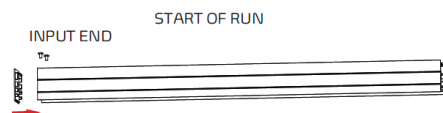


③ Secure the LED modules with aircraft cable and connect the DC male and female terminals

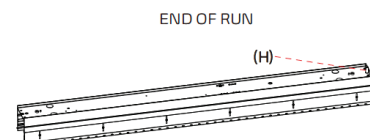
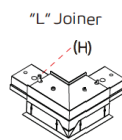
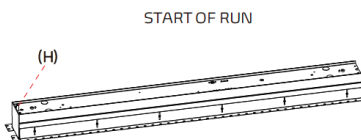


MULTIPLE LUMINAIRES CONNECTION – L SHAPE CONNECTION

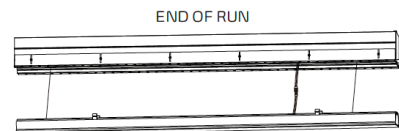
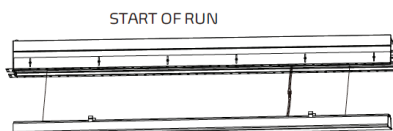
① Install the end caps



② Install drywall flange kit (A) and safety stud (H) as shown



③ Secure the LED modules with aircraft cable and connect the DC male and female terminals



Instructions



2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE Installation Instructions

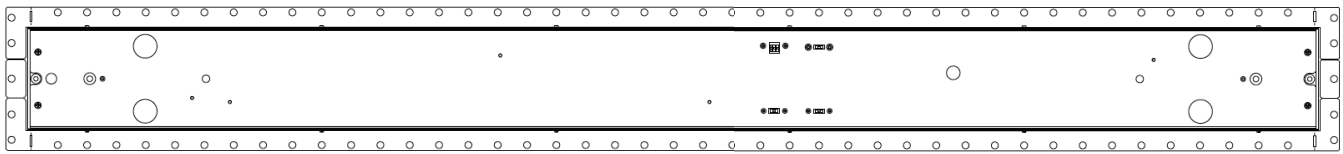


RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

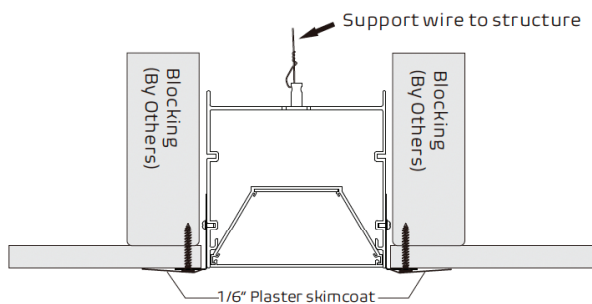
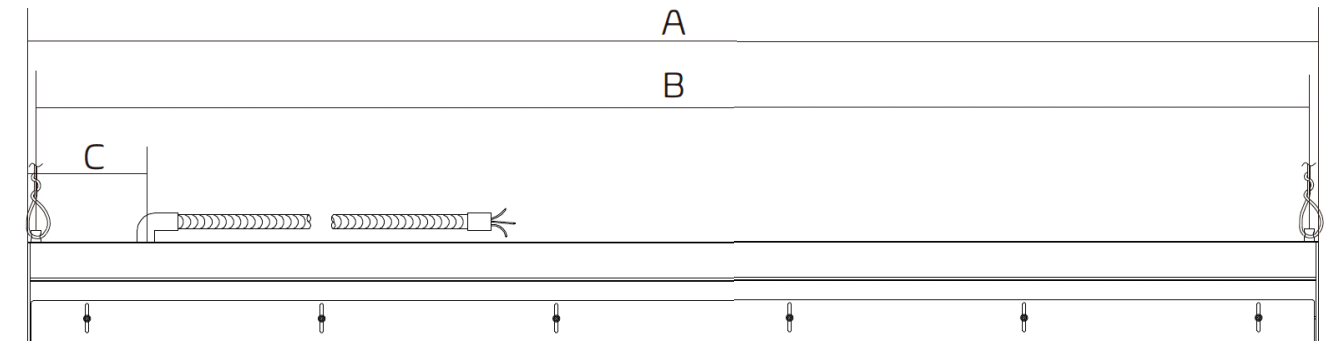
Drywall

Trimless

Top View



Side View



FRAMING REQUIRED ON BOTH SIDES OF HOUSING

*Dry ceiling suspension cables must be installed before installing ceiling.

DRY CEILING AND GRID CEILING - DIMENSIONS				
Nominal Length	"A" Housing Length	"B" Wire Rope	"C" Feed Location	
	Feet	Feet	2.3" Width Linear	3.8" Width Linear
2 ft.	1.98'	1.92'	3.58"	4.33"
3 ft.	2.98'	2.94'	3.58"	4.33"
4 ft.	3.98'	3.94'	3.58"	4.33"
8 ft.	7.96'	7.90'	3.58"	4.33"

Instructions

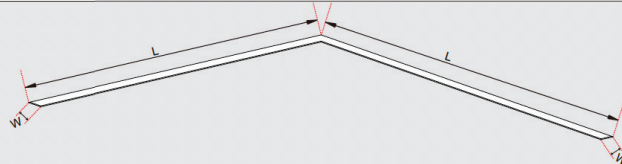
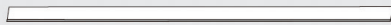


2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE DRY CEILING - Trimless Drywall Wood Panel



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

1 Drill a hole in the ceiling



Drill a hole in the ceiling according to the following size:

1. INDIVIDUAL INSTALLATION:

- | | |
|---|---|
| ① 2FT: L23.78" X W2.72" (2.3" Width Linear)
L23.78" X W4.12" (3.8" Width Linear) | ③ 4FT: L47.80" X W2.72" (2.3" Width Linear)
L47.80" X W4.12" (3.8" Width Linear) |
| ② 3FT: L35.79" X W2.72" (2.3" Width Linear)
L35.79" X W4.12" (3.8" Width Linear) | ④ 8FT: L95.36" X W2.72" (2.3" Width Linear)
L95.36" X W4.12" (3.8" Width Linear) |

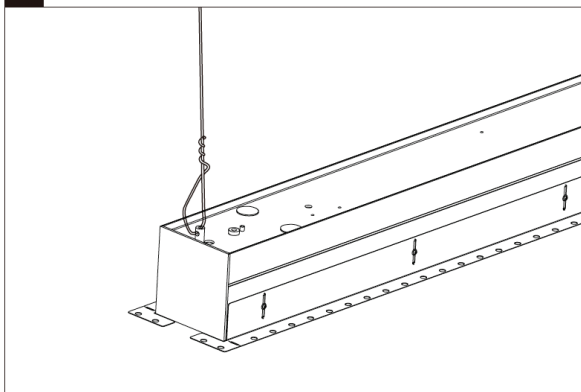
2. MULTIPLE LUMINAIRES CONNECTION - LINE :

- ① 2FT: L23.78" X W2.72" (2.3" Width Linear)
L23.78" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 2FT fixture, increase the length by 23.51".
- ② 3FT: L35.79" X W2.72" (2.3" Width Linear)
L35.79" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 3FT fixture, increase the length by 35.51".
- ③ 4FT: L47.80" X W2.72" (2.3" Width Linear)
L47.80" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 4FT fixture, increase the length by 47.52".
- ④ 8FT: L95.36" X W2.72" (2.3" Width Linear)
L95.36" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 8FT fixture, increase the length by 95.04".

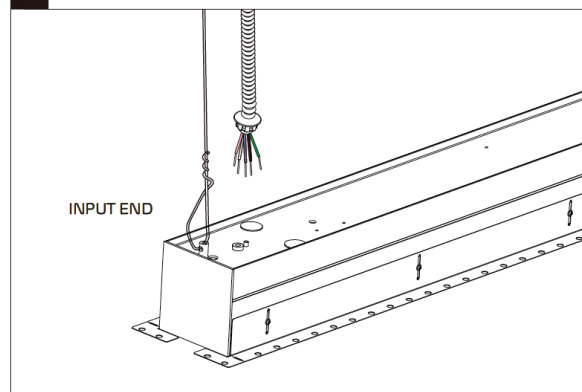
3. MULTIPLE LUMINAIRES CONNECTION L LINE :

- ① 2FT: L29.06" X W2.72" (2.3" Width Linear)
L30.35" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 2FT fixture, increase the length by 23.51".
- ② 3FT: L41.06" X W2.72" (2.3" Width Linear)
L42.36" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 3FT fixture, increase the length by 35.51".
- ③ 4FT: L53.07" X W2.72" (2.3" Width Linear)
L54.37" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 4FT fixture, increase the length by 47.52".
- ④ 8FT: L100.59" X W2.72" (2.3" Width Linear)
L101.93" X W4.12" (3.8" Width Linear)
When continuous runs, each additional 8FT fixture, increase the length by 95.04".

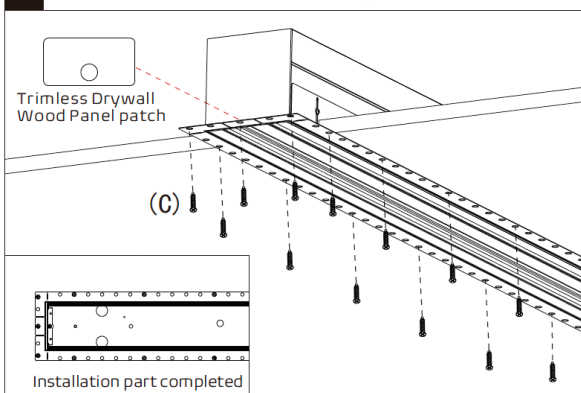
2 Secure both ends of the luminaire with safety ropes



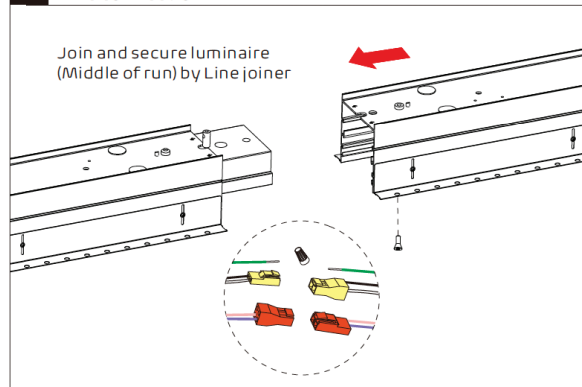
3 Wiring



4 Secure the luminaire to the ceiling by screws



5 Refer to steps 5-8 for installation of multiple luminaires -line connection



Instructions



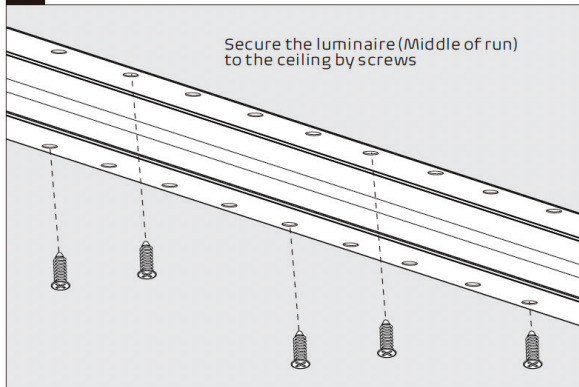
2.3" or 3.8" Width RECESSED LED

ARCHITECTURAL LED LUMINAIRE
DRY CEILING - Trimless Drywall Wood Panel

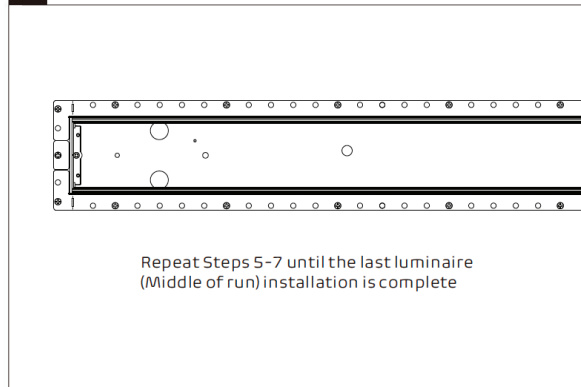


RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

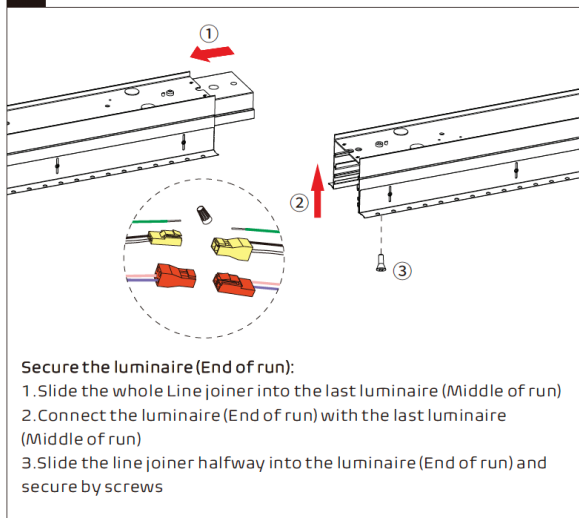
6



7

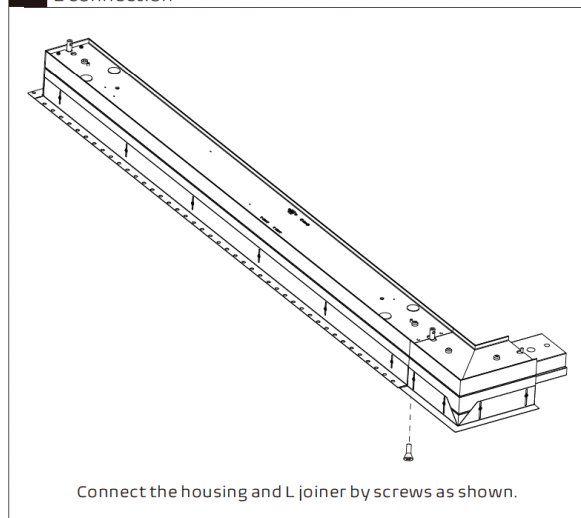


8

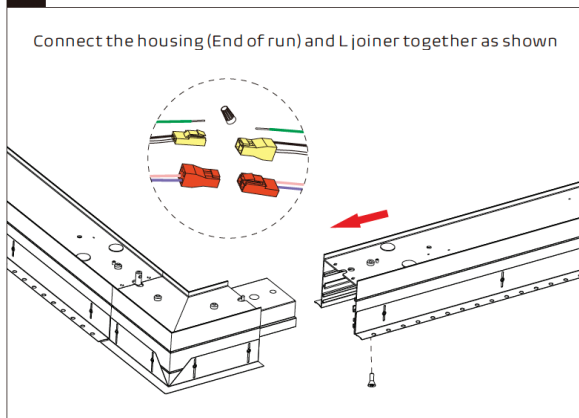


9

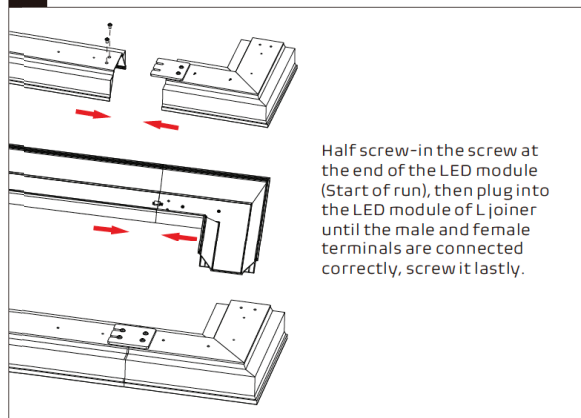
Refer to steps 9-11 for installation of multiple luminaires L connection



10



11



Instructions

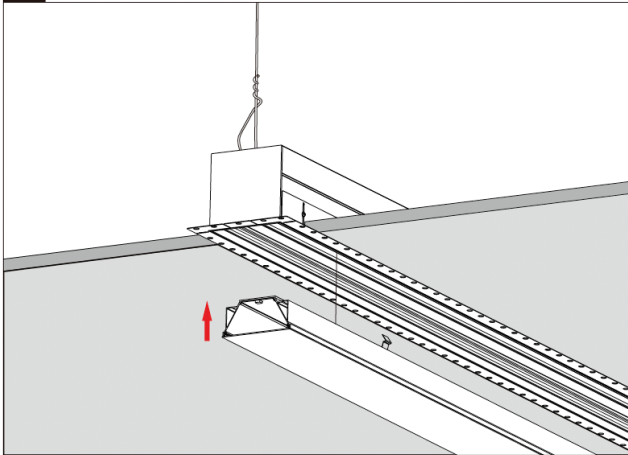
VONN

2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE DRY CEILING - Trimless Drywall Wood Panel

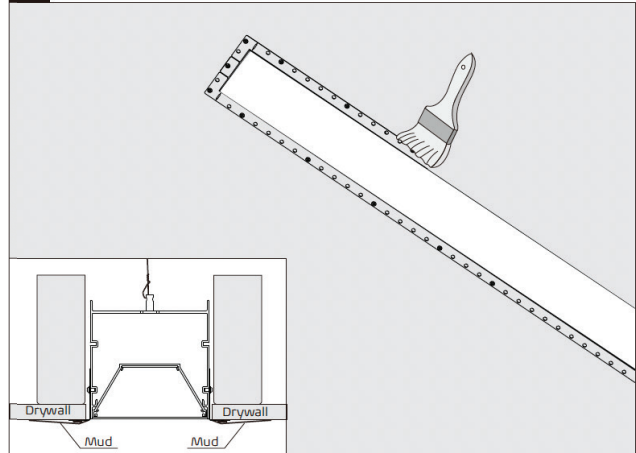


RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

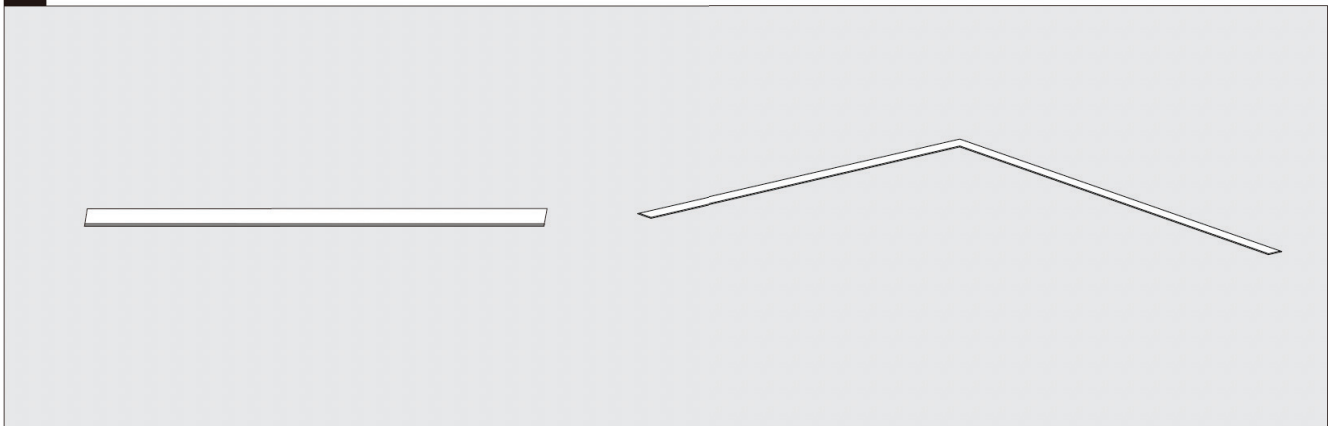
12 Plug the LED module into housing



13 Plaster and remove the film on the PC diffuser



14 Complete



Instructions



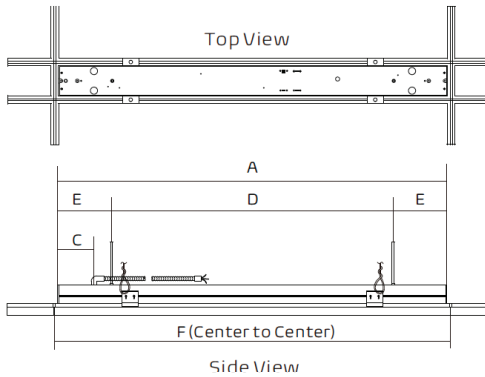
2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE Installation Instructions



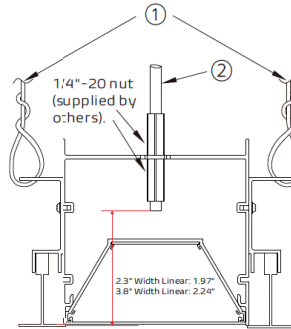
RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

Grid Ceiling

Trimless



Grid Ceiling
(Wire Suspension or 1/4"-20 Threaded rod to structure)

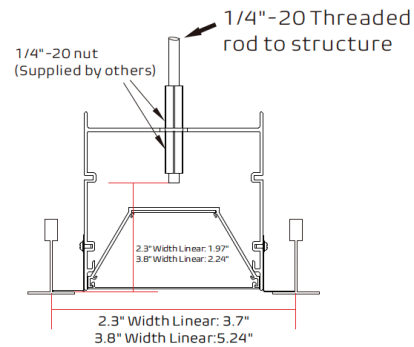
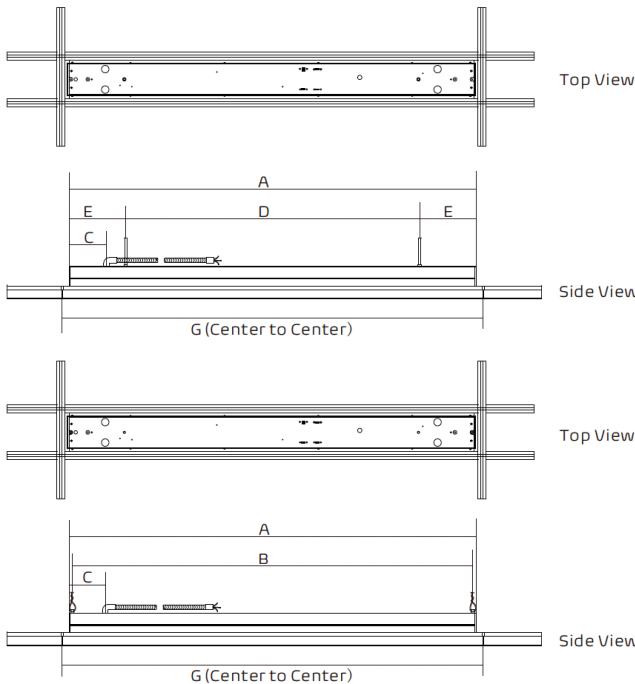


① Support wire to structure

② 1/4"-20 Threaded rod to structure

You can choose Support wire or 1/4"-20 threaded rod, but when installing with a suspension cable, DRY ceiling suspension cables must be installed before installing CEILING, when installing with a suspension rod, the lighting fixtures must be installed before installing CEILING.

Trim



You can choose support wire or 1/4"-20 threaded rod, but when installing with a suspension cable, dry ceiling suspension cables must be installed before installing ceiling, when installing with a suspension rod, the lighting fixtures must be installed before installing ceiling.

DRY CEILING AND GRID CEILING - DIMENSIONS

Nominal Length	"A" Housing Length	"B" Wire Rope	"C" Feed Location		"D" Rod Spacing	"E" End Suspensions	"F" Grid Spacing	"G" Grid Spacing
	Feet	Feet	2.3" Width Linear	3.8" Width Linear	Feet	Feet	Inch	Inch
2 ft.	1.98'	1.92'	3.58"	4.33"	0.88'	0.54'	23.98" Center to Center	24.96" Center to Center
3 ft.	2.98'	2.94'	3.58"	4.33"	1.88'	0.54'	35.99" Center to Center	36.97" Center to Center
4 ft.	3.98'	3.94'	3.58"	4.33"	2.88'	0.54'	48.00" Center to Center	48.98" Center to Center
8 ft.	7.96'	7.90'	3.58"	4.33"	6.84'	0.54'	95.99" Center to Center	96.50" Center to Center

Instructions

VONN

2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE GRID CEILING



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

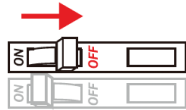
IMPORTANT

1. Read all instructions.
2. Install in accordance with national and local electrical code regulations.
3. This product is intended to be installed and serviced by a qualified, licensed electrician.
4. Do not install in wet locations. For dry and damp use only.
5. Turn off electrical power before installing or servicing fixture in any way.
6. To reduce the risk of fire and overheating, make sure all connections are tight.
7. Under no circumstances can the lighting fixture be covered with heat insulation gasket or similar materials.
8. The maximum connection of each input line is 40FT in 120AC, 100FT in 277AC.

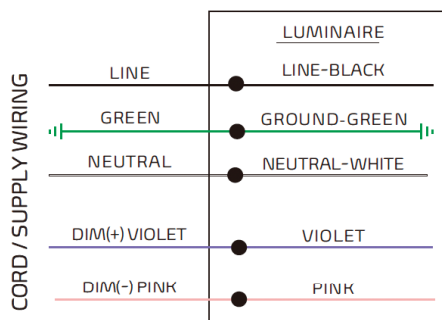
SHOCK HAZARD



May result in serious injury or death. Turn power OFF at circuit breaker prior to installation or servicing.



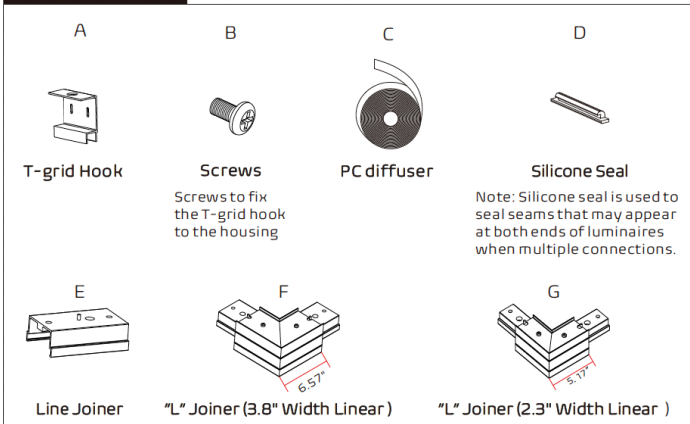
WIRING



Please isolate two dimming wires by P2 terminal individually if no need dimming; Must connect wires with corresponding colors as shown.

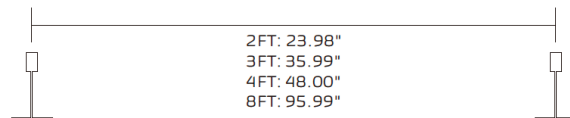
PARTS LISTS

MUD-IN DRYWALL



Grid Ceiling Installation

Centre-to-centre distance(Length) 9/16" Flat, 15/16" Flat, 9/16" Slot)



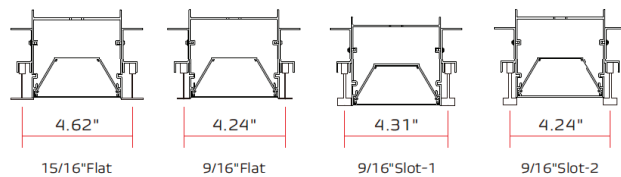
When continuous run:

Each additional 2FT fixture, increase the length by 23.51".
Each additional 3FT fixture, increase the length by 35.51".
Each additional 4FT fixture, increase the length by 47.52".
Each additional 8FT fixture, increase the length by 95.04".

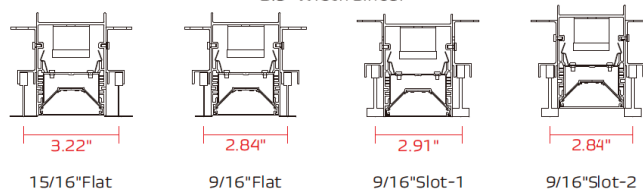
Grid Ceiling Installation

Centre-to-centre distance (Width)

3.8" Width Linear



2.3" Width Linear



Instructions



2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE GRID CEILING



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

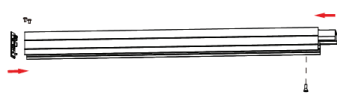
BEFORE CONNECTING

MULTIPLE LUMINAIRES CONNECTION – LINE CONNECTION

- ① Install the end caps and Line joiners

START OF RUN
Install end caps and Line joiners as shown

INPUT



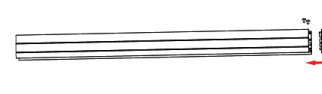
MIDDLE OF RUN
Install Linejoiners as shown

INPUT



END OF RUN
Install end caps as shown

INPUT



- ② Install T-grid hooks (A) as shown

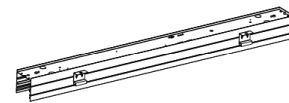
START OF RUN



MIDDLE OF RUN



END OF RUN

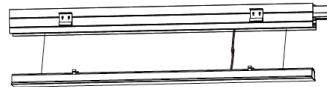


- ③ Secure the LED modules with aircraft cable and connect the DC male and female terminals

START OF RUN



MIDDLE OF RUN



END OF RUN



MULTIPLE LUMINAIRES CONNECTION – L SHAPE CONNECTION

- ① Install the end caps

START OF RUN

INPUT

Install end caps as shown



END OF RUN

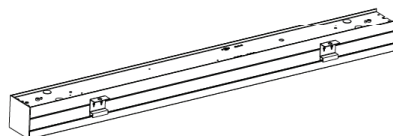
INPUT

Install end caps as shown

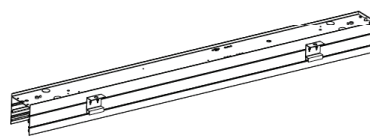


- ② Install T-grid hooks (A) as shown

START OF RUN



END OF RUN

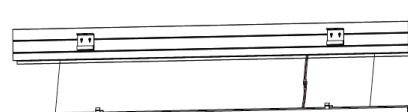


- ③ Secure the LED modules with aircraft cable and connect the DC male and female terminals

START OF RUN



END OF RUN



Instructions

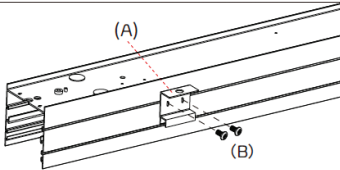
VONN

2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE GRID CEILING



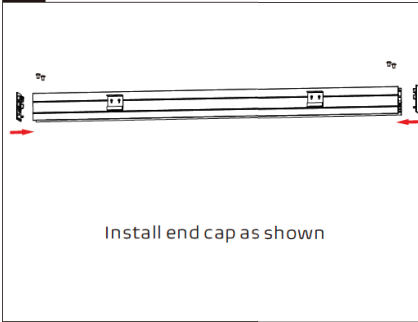
RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

1



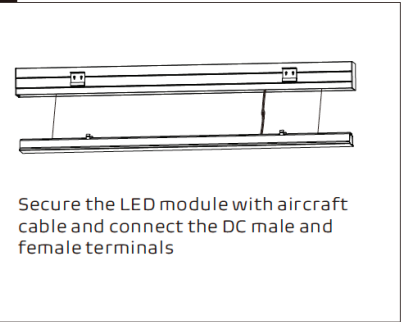
Install the T-grid hook on the housing by screws.
It can be moved up and down according to the different ceiling type.

2



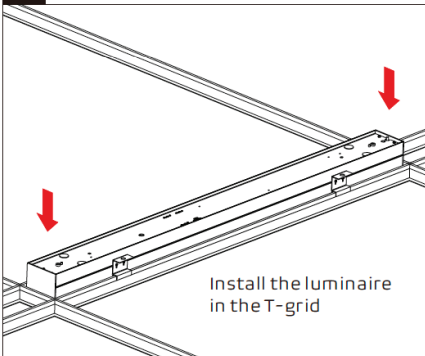
Install end cap as shown

3



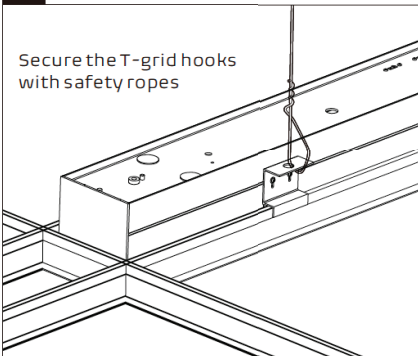
Secure the LED module with aircraft cable and connect the DC male and female terminals

4



Install the luminaire in the T-grid

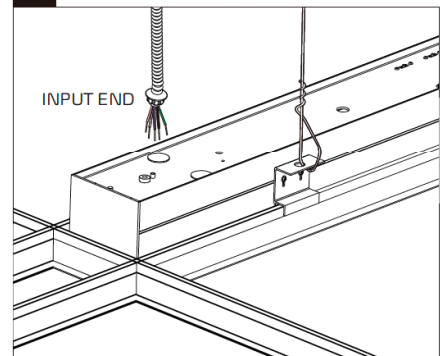
5



Secure the T-grid hooks with safety ropes

6

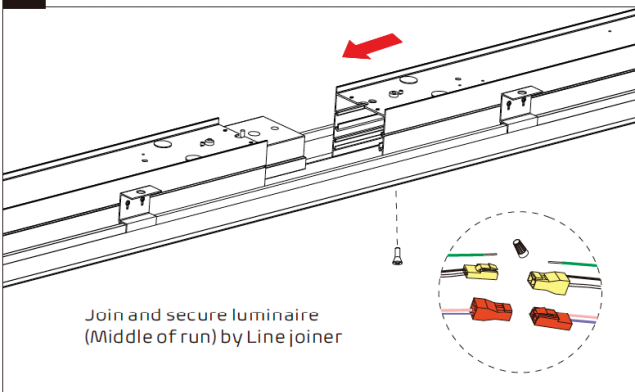
Wiring



INPUT END

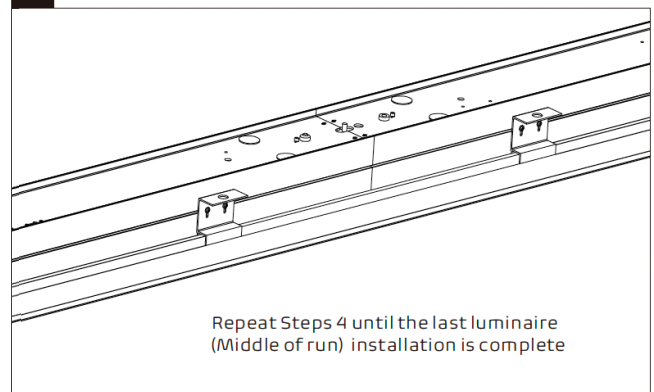
7

Refer to steps 7-9 for installation of multiple - connection.



Join and secure luminaire (Middle of run) by Line joiner

8



Repeat Steps 4 until the last luminaire (Middle of run) installation is complete

Instructions

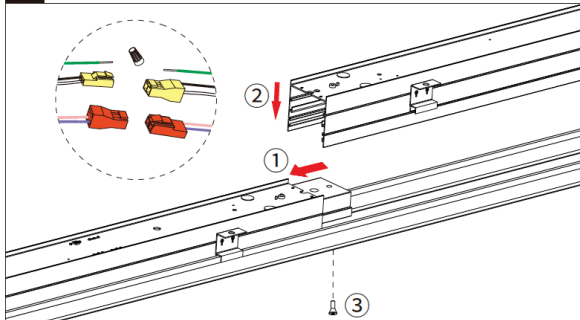
VONN

2.3" or 3.8" Width RECESSED LED ARCHITECTURAL LED LUMINAIRE GRID CEILING



RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

9

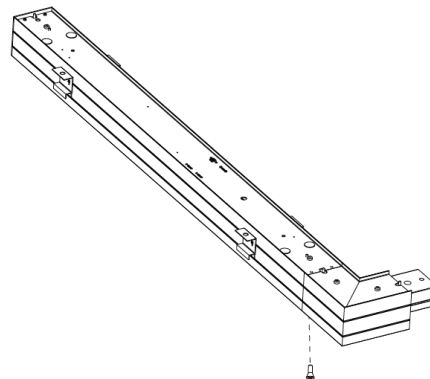


Secure the luminaire (End of run):

1. Slide the whole Line joiner into the last luminaire (Middle of run)
2. Connect the luminaire (End of run) with the last luminaire (Middle of run)
3. Slide the line joiner halfway into the luminaire (End of run) and secure by screws

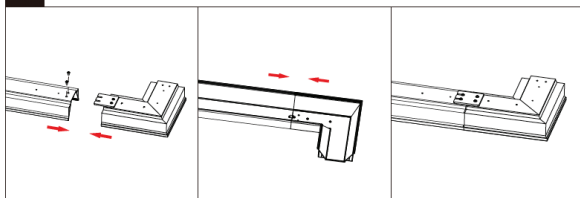
10

Refer to steps 10-12 for installation of multiple luminaires L connection



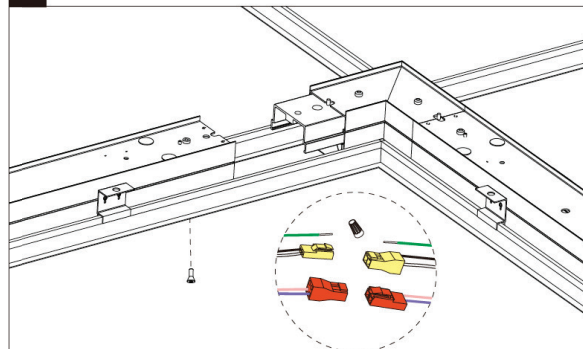
Connect the housing and L joiner by screws as shown

11



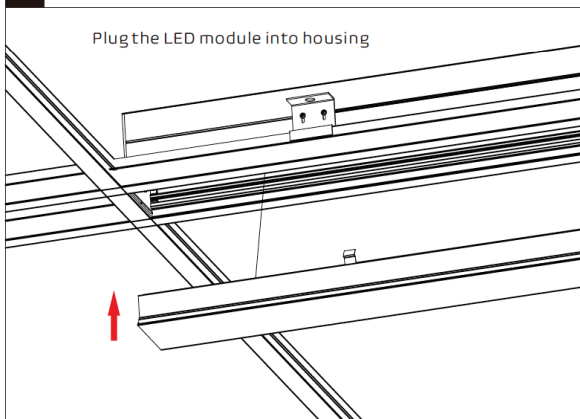
Half screw-in the screw at the end of the LED module (Start of run), then plug into the LED module of L joiner until the male and female terminals are connected correctly, screw it lastly.

12



Connect the housing (End of run) and L joiner together as shown

13



Plug the LED module into housing

14

Complete

