

INSTALLATION INSTRUCTION

2/4 Inch Magic LED Linear Recessed Mounted
Dry Ceiling - Trimless Drywall



Safety Instruction

1. READ CAREFULLY BEFORE INSTALLING FIXTURE. PLEASE KEEP THIS MANUAL FOR FUTURE USE
2. Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
3. To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
4. Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
5. Verify that supply voltage is correct by comparing it with the luminaire label information.
6. Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements.
7. All wiring connections should be capped with UL approved wire connectors.
8. Review the wire connection before beginning, and make sure fixture is grounded properly.
9. Disconnect or turn off power before installation or servicing.
10. Do not install in wet locations. For dry and damp use only.
11. The maximum connection length of each connecting multiple fixtures end to end is 40' for 120VAC and 100' for 277VAC.

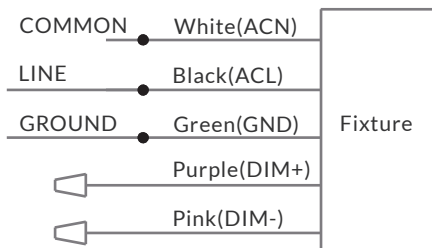
Maintenance Caution

1. Avoid direct eye exposure to the light source while it is on.
2. For lighting controls, follow control instructions carefully.
3. Turn power off and wait for fixture to cool before performing maintenance.
4. Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved.

Shock And Fire Hazard

1. Under no circumstances can the lighting fixture be covered with heat insulation gasket or similar materials.
2. Keep combustible and other materials that can burn away from luminaire and lamp/lens.
3. MIN 90°C SUPPLY CONDUCTORS.

WIRE CONNECTION



Isolate the two dimming wires

-  by the P2 terminal individually if dimming is not required.

Connect wiring as shown.

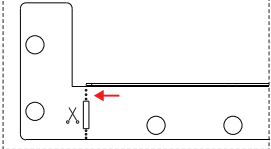
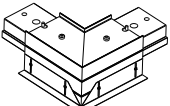
Universal Voltage permits operation at 120-277VAC.

- a. Connect the voltage supply Line to out AC-L.
- b. Connect the voltage Neutral supply to our AC-N line.
- c. Connect the green/yellow ground lead to the supply ground lead.
- d. If 0-10V Dimming is used, connect the supply positive dimming lead to our 0-10V(Dim+) terminal.
- e. If 0-10V Dimming is used, connect the supply positive dimming lead to our 0-10V(Dim+) terminal.

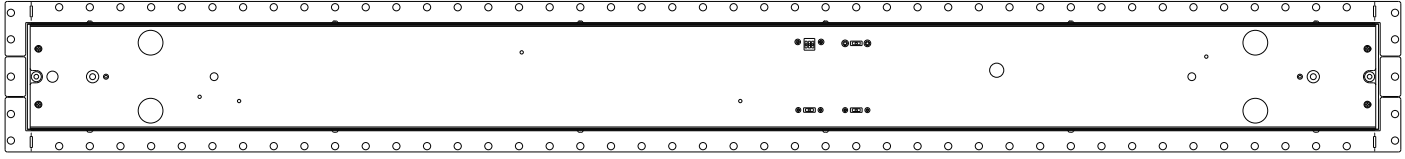
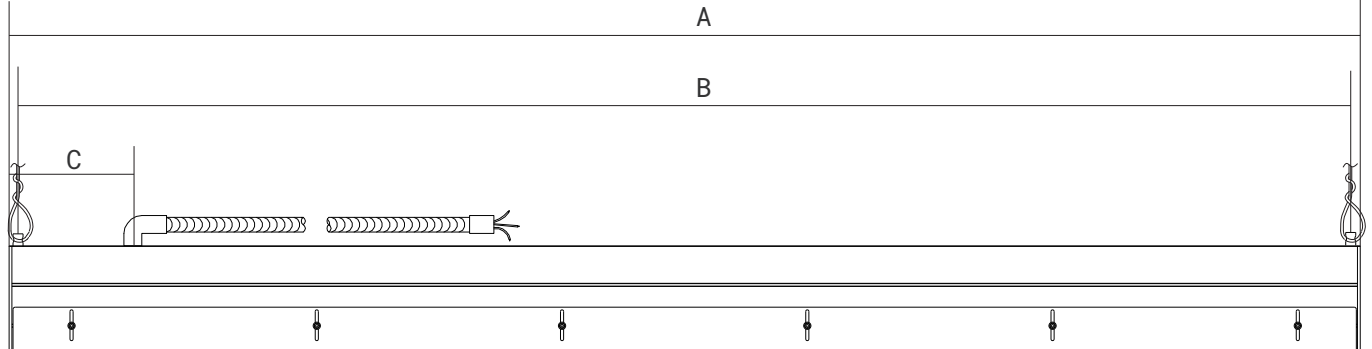
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ACCESSORY PACK

			
			
Trimless Drywall Flange Kit Cut the plaster plate according to the length of the fixture and whether continuous runs. Cutting is not required for individual installations of 2', 3' and 4' luminaries.			
			
B	C	D	E
Screws Screws to fix the drywall flange kit to housing.	Screws Screws to fix the drywall flange kit to drywall.	PC Diffuser Optional continuous rolling lens which can reach seamless continue runs up to 42' is available.	Silicone Seal Note: Silicone seal is used to seal seams that may appear at both ends of luminaires when multiple connections.
			
F	G	H	
"- " Joiner	"L" Joiner	Safety Stud	

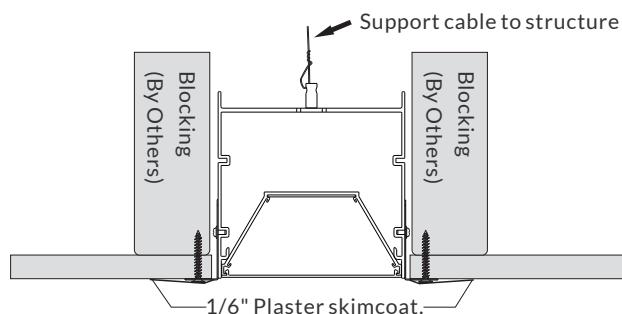
DIMENSION

Top View	
	
Side View	
	

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DIMENSION



FRAMING REQUIRED ON BOTH SIDES OF HOUSING

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

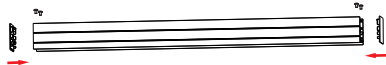
DRY CEILING AND GRID CEILING - DIMENSIONS

Nominal Length	"A"	"B"	"C"	
	Housing Length	Cable	Feed Location	
	Feet	Feet	2.3" Width Linear	3.8" Width Linear
2ft	1.98'	1.92'	3.58"	4.33"
3ft	2.98'	2.94'	3.58"	4.33"
4ft	3.98'	3.94'	3.58"	4.33"
8ft	7.96'	7.90'	3.58"	4.33"

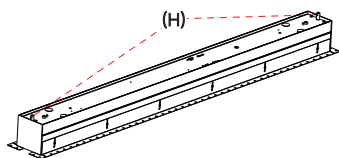
BEFORE CONNECTING

Independent Installation

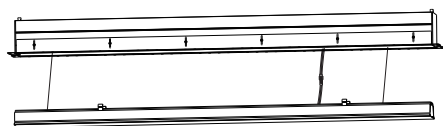
Step 1. Install end caps as shown.



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



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



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BEFORE CONNECTING

MULTIPLE LUMINAIRES CONNECTION - **LINE SHAPE** CONNECTION

Step 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

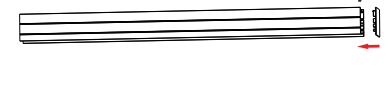
INPUT END



END OF RUN

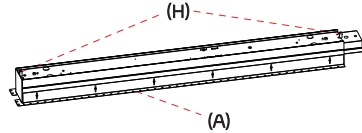
Install end caps as shown

INPUT END

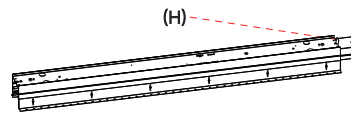


Step 2. Install drywall flange kit (A) and safety stud (H) as shown.

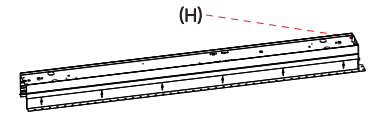
START OF RUN



MIDDLE OF RUN

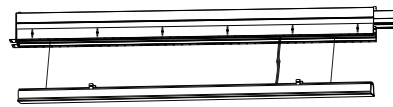


END OF RUN

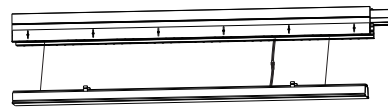


Step 3. Secure the LED modules with aircraft cable and connect the DC male and female terminals.

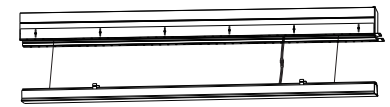
START OF RUN



MIDDLE OF RUN



END OF RUN



MULTIPLE LUMINAIRES - **L SHAPE** CONNECTION

Step 1. Install the end caps.

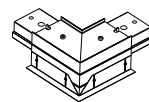
START OF RUN

INPUT END



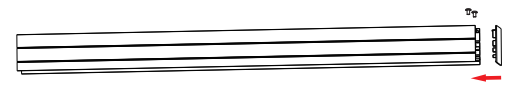
"L" Joiner

INPUT END



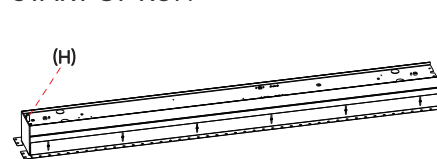
END OF RUN

INPUT END

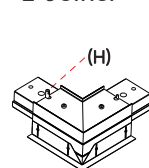


Step 2. Install drywall flange kit (A) and safety stud (H) as shown.

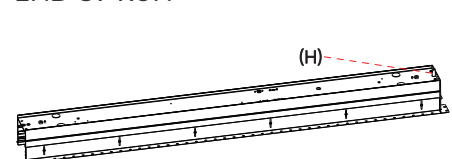
START OF RUN



"L" Joiner



END OF RUN



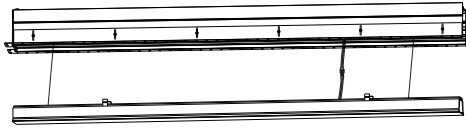
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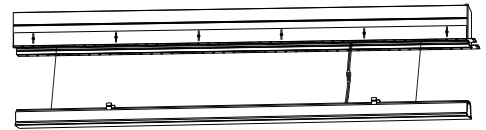
BEFORE CONNECTING

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

START OF RUN

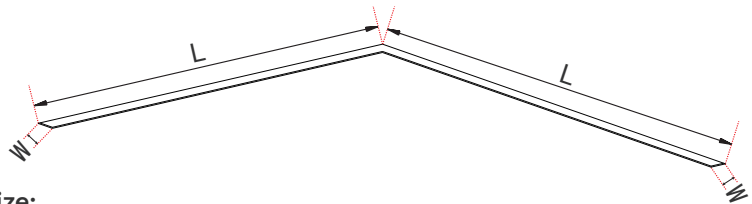


END OF RUN



INSTALLATION

Step 1: Cut a hole in the ceiling.



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

1.INDIVIDUAL INSTALLATION:

2FT: L23.78" × W2.72" (2.3" Width Linear)
L23.78" × W4.12" (3.8" Width Linear)

4FT: L47.80" × W2.72" (2.3" Width Linear)
L47.80" X W4.12" (3.8" Width Linear)

3FT: L35.79" × W2.72" (2.3" Width Linear)
L35.79" × W4.12" (3.8" Width Linear)

8FT: L95.36" × W2.72" (2.3" Width Linear)
L95.36" × W4.12" (3.8" Width Linear)

2.MULTIPLE LUMINAIRES CONNECTION - **LINE SHAPE:**

2FT: L23.78" × W2.72" (2.3" Width Linear)
L23.78" × W4.12" (3.8" Width Linear)

With continuous runs, for each additional 2FT fixture, increase the length by 23.51".

3FT: L35.79" × W2.72" (2.3" Width Linear)
L35.79" × W4.12" (3.8" Width Linear)

With continuous runs, for each additional 3FT fixture, increase the length by 35.51".

4FT: L47.80" × W2.72" (2.3" Width Linear)
L47.80" × W4.12"(3.8" Width Linear)

With continuous runs, for each additional 4FT fixture, increase the length by 47.52".

8FT: L95.36" × W2.72" (2.3" Width Linear)
L95.36" × W4.12" (3.8" Width Linear)

With continuous runs, for each additional 8FT fixture, increase the length by 95.04".

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3. MULTIPLE LUMINAIRES CONNECTION - **L SHAPE:**

2FT: L29.06" × W2.72" (2.3" Width Linear)

L30.35" × W4.12" (3.8" Width Linear)

With continuous runs, for each additional 2FT fixture, increase the length by 23.51".

3FT: L41.06" × W2.72" (2.3" Width Linear)

L42.36" × W4.12" (3.8" Width Linear)

With continuous runs, for each additional 3FT fixture, increase the length by 35.51".

4FT: L53.07" × W2.72" (2.3" Width Linear)

L54.37" × W4.12" (3.8" Width Linear)

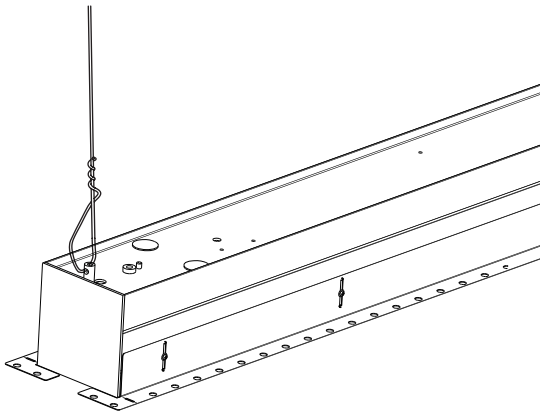
With continuous runs, for each additional 4FT fixture, increase the length by 47.52".

8FT: L100.59" × W2.72" (2.3" Width Linear)

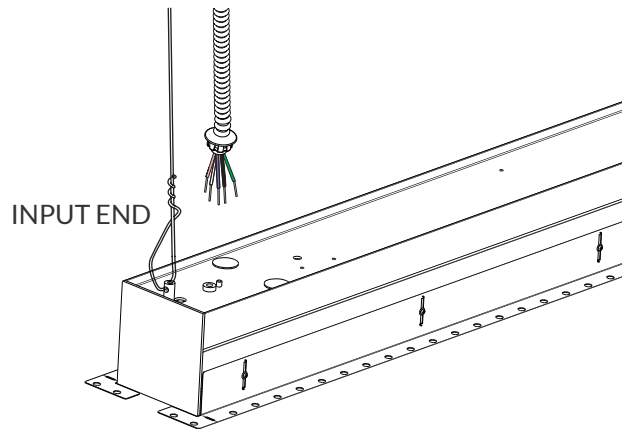
L101.93" × W4.12" (3.8" Width Linear)

With continuous runs, for each additional 8FT fixture, increase the length by 95.04".

Step 2: Secure both ends of the luminaire with safety cable.



Step 3: Wiring.

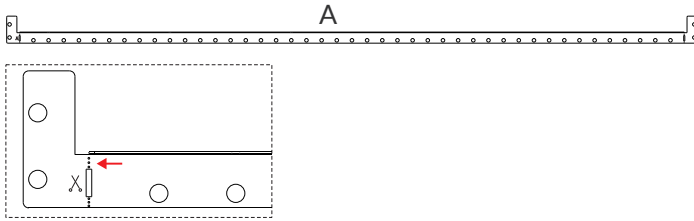


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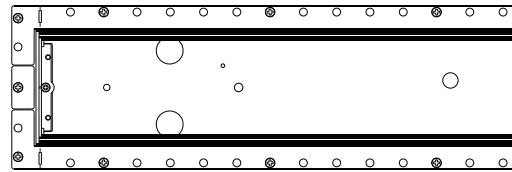
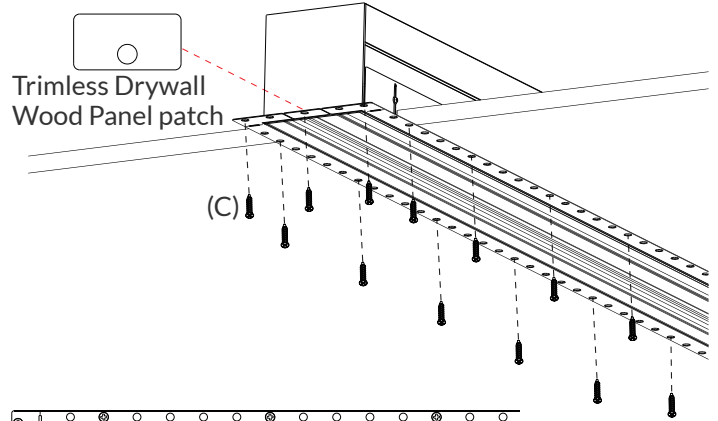
INSTALLATION

Step 4: Secure the luminaire to the ceiling by screws.



Trimless Drywall Flange Kit

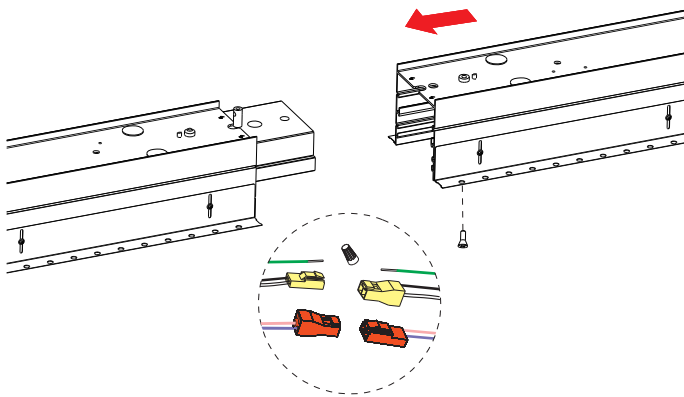
Cut the plaster plate according to the length of the fixture and whether continuous Cutting is not required for individual installations of 2', 3' and 4' luminaires.



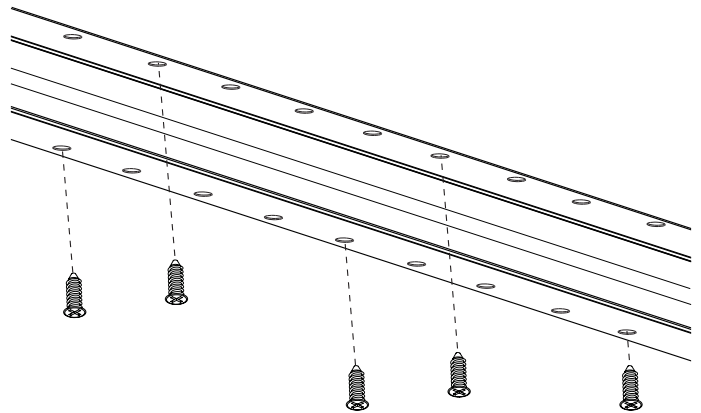
Installation part completed.

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

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



Step 6: Secure the luminaire (Middle of run) to the ceiling by screws.

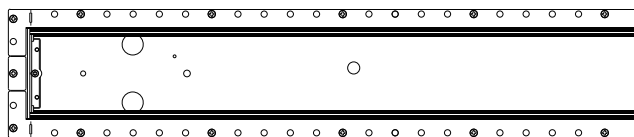


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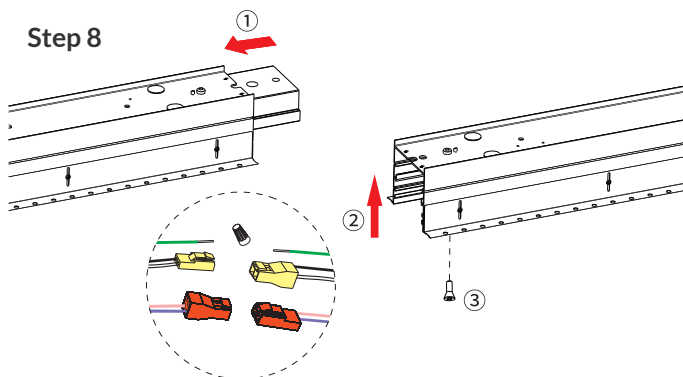
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Step 7: Repeat Steps 5-7 until the last luminaire (Middle of run) installation is complete.



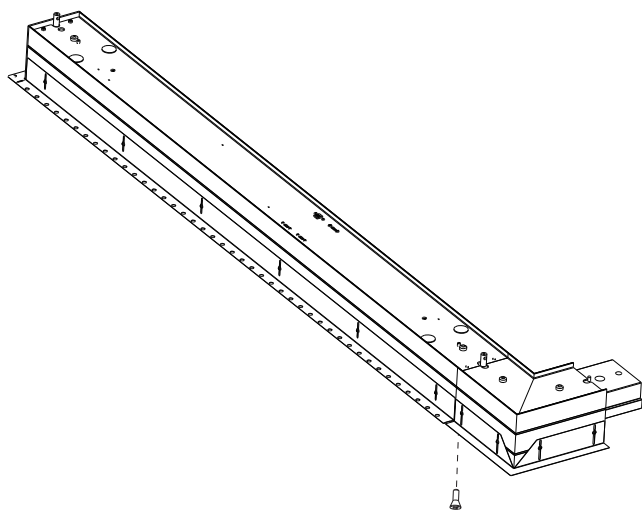
Step 8



Secure the luminaire (End of run):

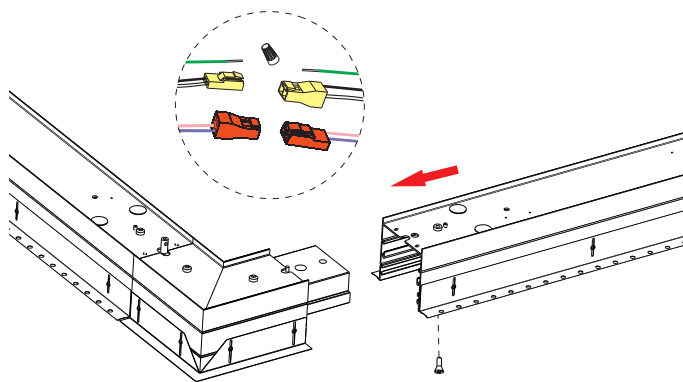
1. Slide the whole Line joiner into the last luminaire (Middle of run).
2. Connect the luminaire (End of run) with the last luminaire (Middle of run).
3. Slide the line joiner halfway into the luminaire (End of run) and secure by screws.

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



Connect the housing and L joiner by screws as shown.

Step 10: Connect the housing (End of run) and L joiner together as shown.

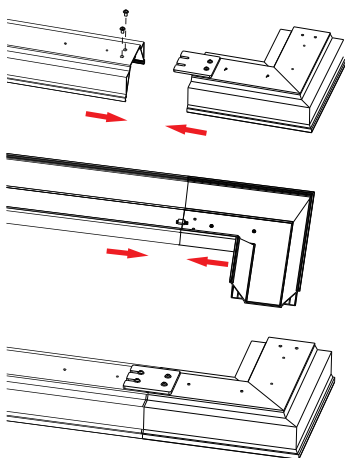


INSTALLATION INSTRUCTION

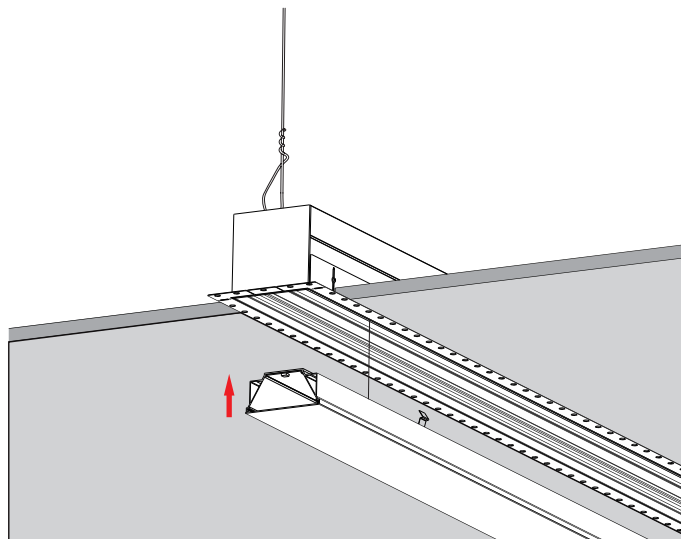
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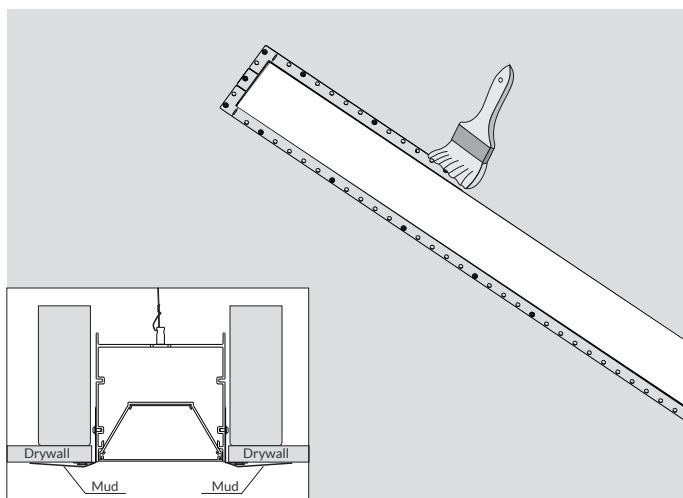
Step 11: Partially fasten the screw at the end of the LED module (Start of run), then plug into the LED module of L joiner until the male and female terminals are connected correctly. Then fasten completely.



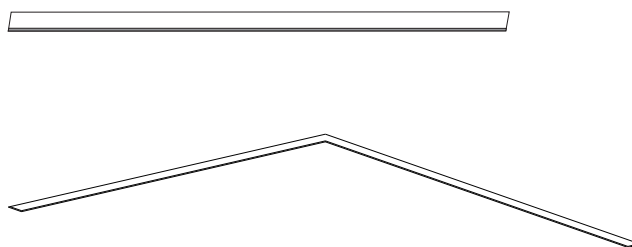
Step 12: Plug the LED module into housing.



Step 13: Plaster and remove the film on the PC diffuser.



Step 14: Complete.



Ref#: 20260715