RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

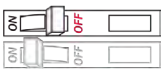
Spitzer LIGHTING

INSTALLATION MANUAL

PRODUCT PARAMETER	
INPUT VOLTAGE	100-277V
DIMMING	0-10V
MATERIAL	ALUMINUM



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



TOOLS REQUIRED

1. Sharp Side Cutter
2. Electric Drill
3. Level
4. Measuring Tool
5. Wire Stripper/ Knife
6. Phillps Screwdrivers
7. Wire Cutters

SAFETY INFORMATION

BE SURE THE POWER IS OFF! RISK OF ELECTRICAL SHOCK: Always use the switch to power off. Do not perform any operations while this unit is powered on. The electrical system you want to connect the device to must be grounded. Read the instructions before using or powering this device. The safety instructions must remain with the unit in case of transfer. Any damage to the device linked to an inappropriate use is excluded from support by the warranty. Before connecting, make sure that the current and voltage are compatible with this device. We highly recommend that all installations are made by QUALIFIED ELECTRICIAN. We are NOT responsible by any means for the use or misuse of the following information. We are NOT responsible in whole or part for any harm or damage that may or may not be caused. We reserve the right to revise the components of any product, due to part availability or change ETL, CUL, UL standards without assuming any obligation or liability to modify any products previously manufactured and without notice. These instructions do not cover all details of variations in equipment, nor do they provide every possible contingency to be met. Turn off / unplug power when installing or service device.

WARNING

WARNING: Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in a potentially fatal electric shock, fire, and/or property damage.

- Read all instructions
- Install in accordance with national and local electric code regulations
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- Do not install in wet locations. For dry and damp use only.
- Turn off electrical power before installing or servicing fixture in any way
- To reduce the risk of fire and overheating, make sure all connections are right
- Under no circumstances can the lighting fixture be covered with heat insulation gasket or similar materials
- The maximum connection of each input line is less than 40FT (1200cm) in 120V, less than 80FT (2400 cm) in 230V, less than 100FT (1300 cm) in 277V.

FCC WARNING

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

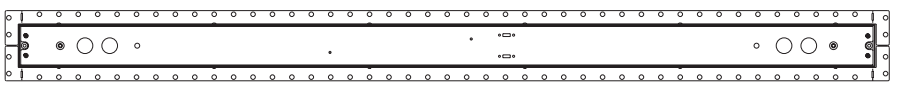
NOTES: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

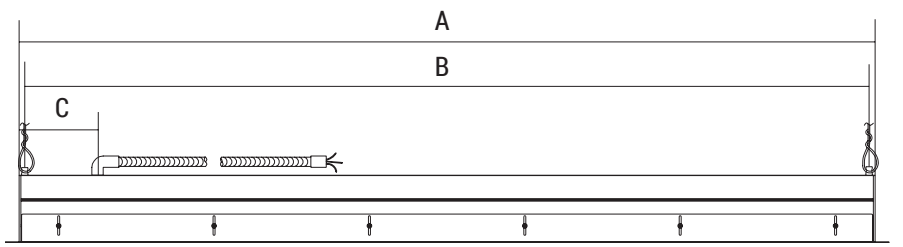
DIMMENSIONS (Trimless, Recessed)

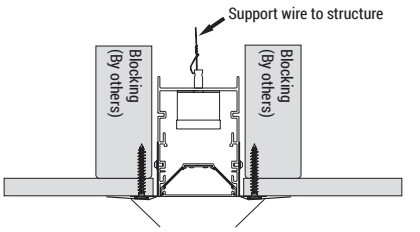
DIMMENSIONS

Top View



Side View





* Dry ceiling suspension cables muct be installed before installing on ceiling

DRY CEILING - DIMENSIONS			
Nominal Length	"A" Housing Length	"B" Wire Rope	"C" Feed Location
	Feet	Feet	Inch
2 ft	1.98'	1.92'	3.58"
3 ft	2.98'	2.94'	3.58"
4 ft	3.98'	3.94'	3.58"
8 ft	7.96'	7.90'	3.58"

RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

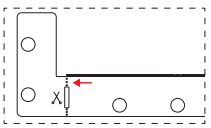
Spitzer LIGHTING

INSTALLATION MANUAL

HARDWARE & WIRING

HARDWARE INCLUDED

A



TRIMLESS DRYWALL FLAGE KIT
According to the length of the fixtureand whether it is a continuous run, cut the plaster plate according to the tips. No need to cut if individually installing the 2ft, 3ft or 4ft luminaire.

B



SCREWS
Screws to fix the drywall flange kit to housing.

C



SCREWS
Screws to fix the drywall flange kit to housing.

D



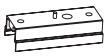
PC DIFFUSER
Flexible, cut able roll up lense, up to 42'.

E



SILICONE SEAL
Note: Silicone seal is used to seal seams that may appear at both ends of luminaires after connecting them.

F



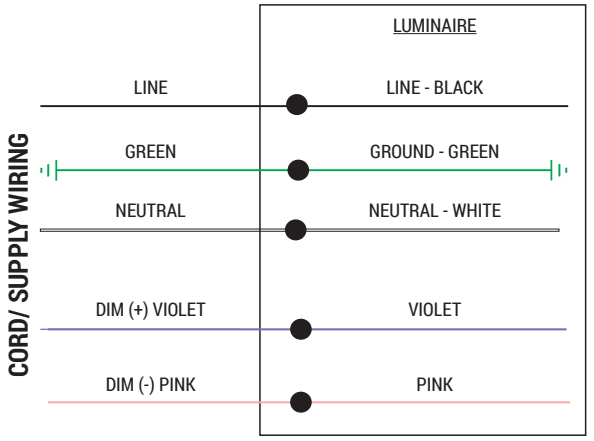
"__" JOINER

G



SAFETY STUD

WIRING DIAGRAM



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

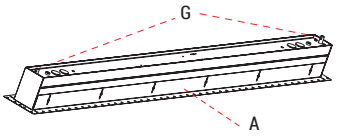
BEFORE CONNECTING (Caution: Before beginning installation turn off the circuit breaker and light switch)

INDEPENDENT INSTALLATION

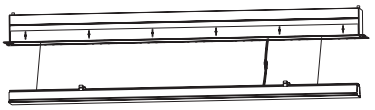
1. Install end caps as shown



2. Install drywall flange kit (A) and safety stud (G) 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.



MIDDLE OF RUN
Install line joiners as shown.

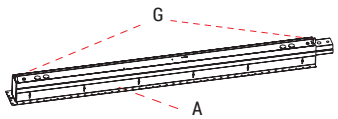


END OF RUN
Install end caps as shown.

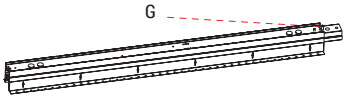


2. Install drywall flange kit (A) and safety stud (G) as shown.

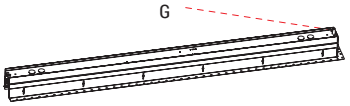
START OF RUN



MIDDLE OF RUN



END OF RUN



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

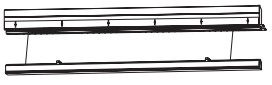
START OF RUN



MIDDLE OF RUN



END OF RUN



RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

INSTALLATION MANUAL

INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

STEP 1



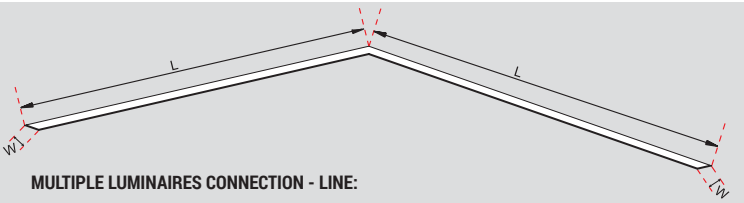
Drill a hole in the ceiling according to the following size:

INDIVIDUAL INSTALLATION:

1. 2ft: L24" x W2.95" (2.3" Width Linear)
2. 3ft: L36.18 x W2.95" (2.3" Width Linear)
3. 4ft: L48.19" x W2.95" (2.3 Width Linear)
4. 8 ft: L95.71" x W2.95" (2.3" Width Linear)

MULTIPLE LUMINAIRES CONNECTION - LINE:

1. 2ft: L24.17" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 2ft fixture, increase the length by 23.51".
2. 3ft: L36.18" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 3ft fixture, increase the length by 35.51".
3. 4ft: L48.19" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 4ft fixture, increase the length by 47.52".
4. 8ft: L95.71" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 8ft fixture, increase the length by 95.04".



MULTIPLE LUMINAIRES CONNECTION - LINE:

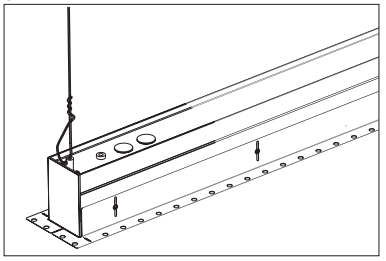
1. 2ft: L37.45" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 2ft fixture, increase the length by 23.51".

2. 3ft: L49.45" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 3ft fixture, increase the length by 35.51".

3. 4ft: L61.46" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 4ft fixture, increase the length by 47.52".

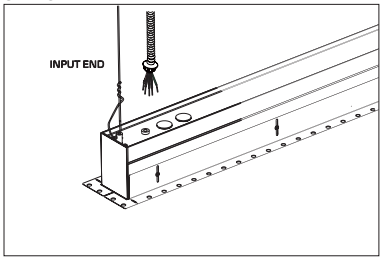
4. 8ft: L108.94" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 8ft fixture, increase the length by 95.04".

STEP 2



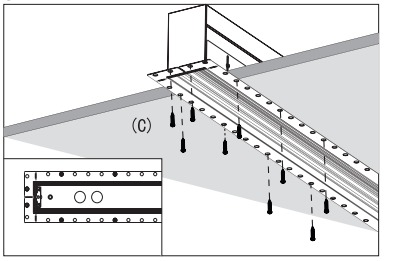
Secure both ends of the luminaire with safety ropes.

STEP 3



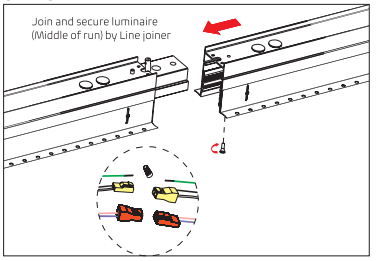
Wiring.

STEP 4



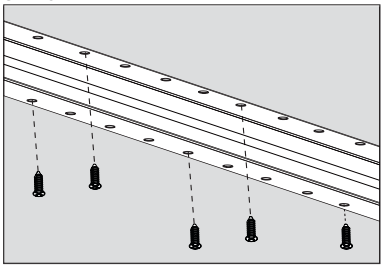
Secure the luminaire to the ceiling by screws.

STEP 5

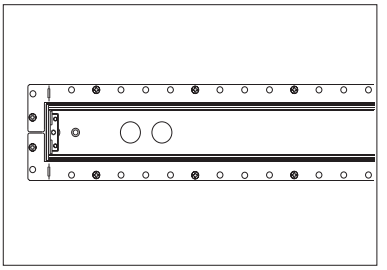


Refer to steps 5-8 for installation of multiple luminaires - line connection.

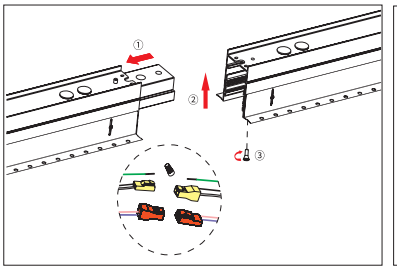
STEP 6



STEP 7



STEP 8.1



Secure the luminaire (end of run)
See next text box:

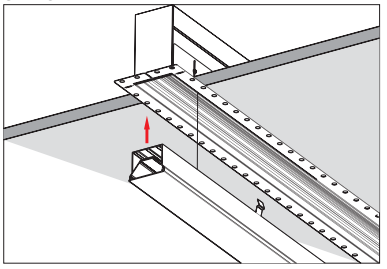
STEP 8.2

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).

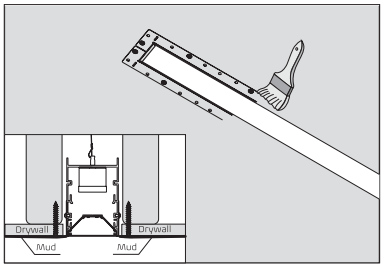
3. Slide the line joiner halfway into the luminaire (end of run) and secure by screws.

STEP 9



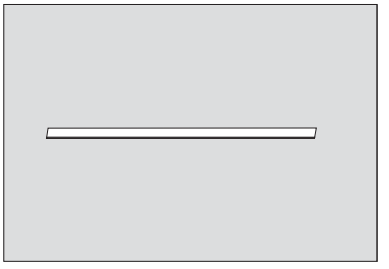
Plug the LED module into housing.

STEP 10



Plaster and remove the film on the PC diffuser.

STEP 11



Complete.

RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

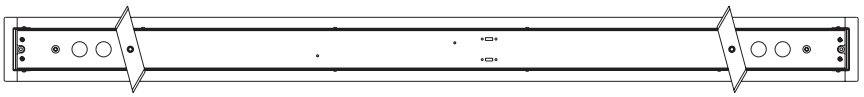
Spitzer LIGHTING

INSTALLATION MANUAL

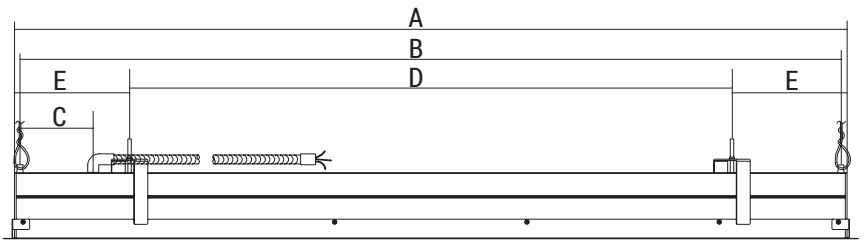
DIMMENSIONS (Bracket, Trim, Recessed)

DIMMENSIONS

Top View



Side View



DRY CEILING - DIMENSIONS					
Nominal Length	"A" Housing Length	"B" Wire Rope	"C" Feed Location	"D" Rod Spacing	"E" End Suspensions
	Feet	Feet	Inch	Feet	Feet
2 ft	1.98′	1.92′	3.58″	0.88′	0.55′
3 ft	2.98′	2.94′	3.58″	1.88′	0.55′
4 ft	3.98′	3.94′	3.58″	2.88′	0.55′
8 ft	7.96′	7.90′	3.58″	6.84′	0.55′

HARDWARE

A



SCREWS
Screws to fix the drywall flange kit to housing.

B



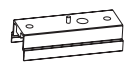
PC DIFFUSER
Flexible, cut able roll up lense, up to 42′.

C



SILICONE SEAL
Note: Silicone seal is used to seal seams that may appear at both ends of luminaires after connecting them.

D



"_" JOINER

E



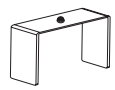
SAFETY STUD

F



TRIM DRYWALL END BRACKET

G



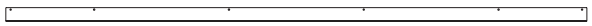
RECESSED BRACKET

H

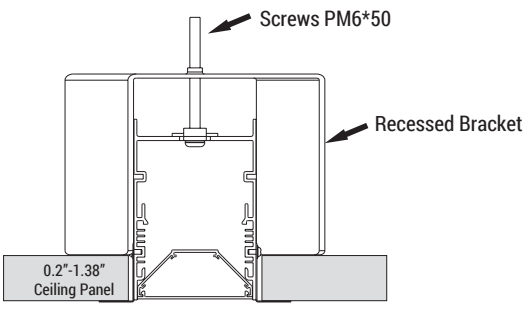


SCREWS
Screws for recessed bracket

I



TRIM DRYWALL FLANGE KIT



RAIL 2 RECESSED

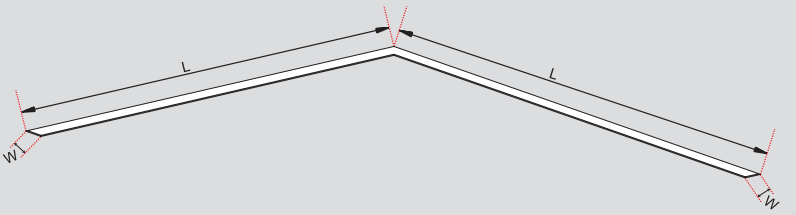
ARCHITECTURAL LED LUMINAIRE

INSTALLATION MANUAL

INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

STEP 1





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

MULTIPLE LUMINAIRES CONNECTION - LINE:

1. 2ft: L37.45" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 2ft fixture, increase the length by 23.51".

2. 3ft: L49.45" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 3ft fixture, increase the length by 35.51".

3. 4ft: L61.46" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 4ft fixture, increase the length by 47.52".

4. 8ft: L108.94" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 8ft fixture, increase the length by 95.04".

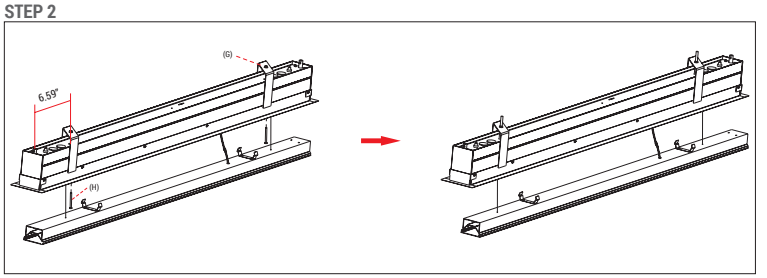
INDIVIDUAL INSTALLATION:

1. 2ft: L24.17" x W2.95" (2.3" Width Linear)
2. 3ft: L36.18 x W2.95" (2.3" Width Linear)
3. 4ft: L48.19" x W2.95" (2.3 Width Linear)
4. 8 ft: L95.71" x W2.95" (2.3" Width Linear)

MULTIPLE LUMINAIRES CONNECTION - LINE:

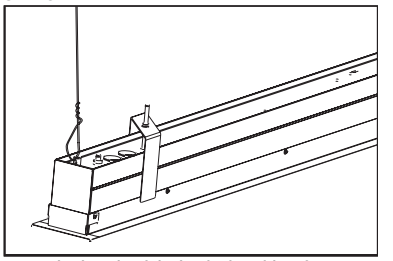
1. 2ft: L24.17" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 2ft fixture, increase the length by 23.51".
2. 3ft: L36.18" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 3ft fixture, increase the length by 35.51".
3. 4ft: L48.19" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 4ft fixture, increase the length by 47.52".
4. 8ft: L95.71" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 8ft fixture, increase the length by 95.04".

STEP 2



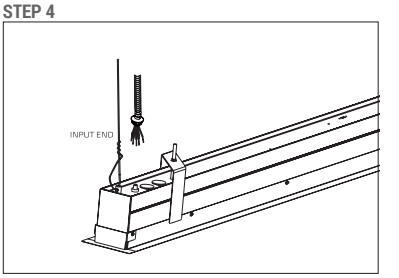
Fix the recessed bracket to the housing with screws.

STEP 3



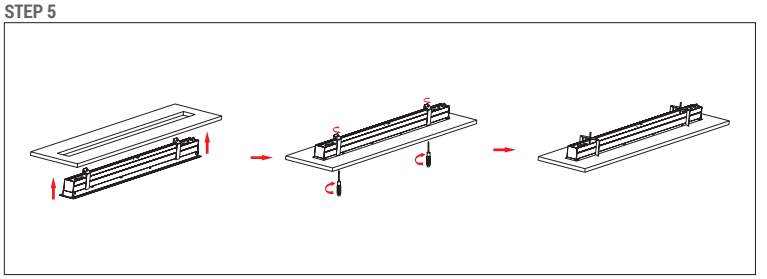
Secure both ends of the luminaire with safety ropes.

STEP 4



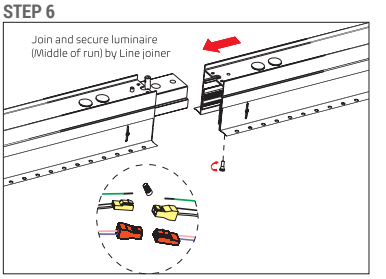
Wiring.

STEP 5



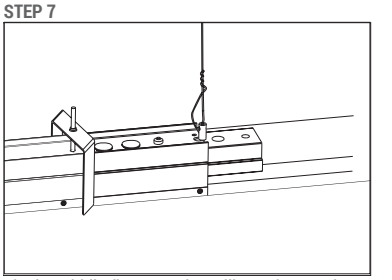
Insert the fixture into the ceiling and tighten the screws of the recessed brackets to rotate the recessed brackets to fix the fixture to the ceiling.

STEP 6



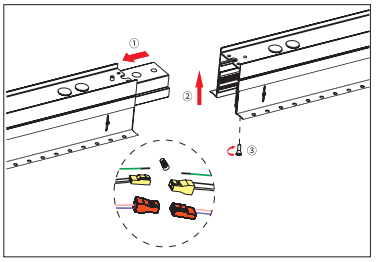
Refer to steps 6-8 for installation of multiple luminaires - line connection.

STEP 7



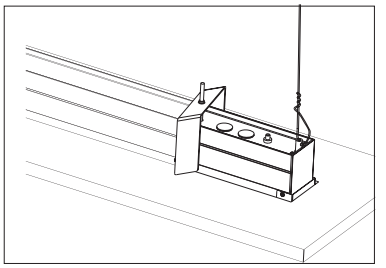
Fix the middle fixture to the ceiling using steel wire ropes and recessed brackets.

STEP 8.1



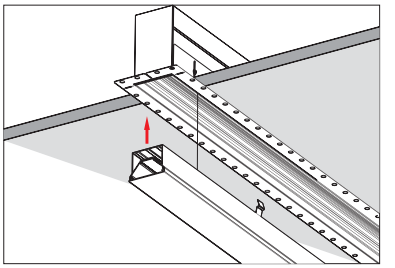
Secure the luminaire (end of run)
1. Slide the whole Line joiner into the last luminaire (middle of run)
2. Connect the luminaire (end of run) with the last luminaire (middle of run).
3. Slide the line joiner halfway into the luminaire (end of run) and secure by screws.

STEP 9



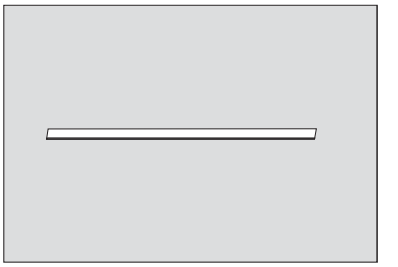
Fill the tail fixture with steel wire ropes and recessed bracket.

STEP 10



Plug the LED module into housing.

STEP 11



Complete.

RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

Spitzer LIGHTING

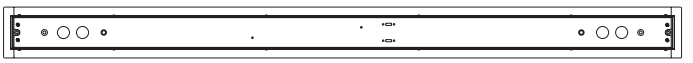
INSTALLATION MANUAL

DIMMENSIONS & HARDWARE(Pendent Stem, Trim, Recessed)

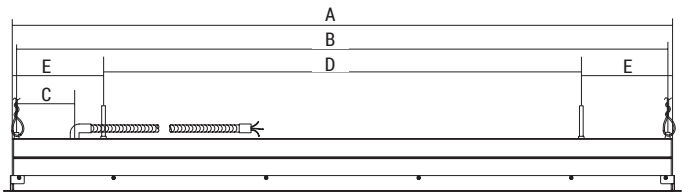
DIMMENSIONS

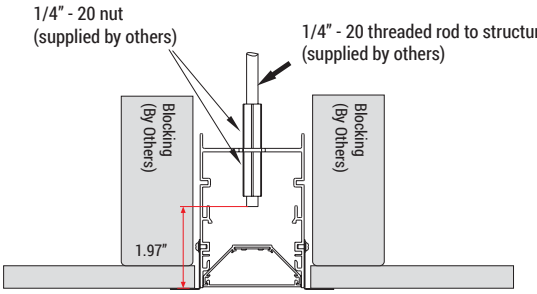
TRIM

Top View



Side View

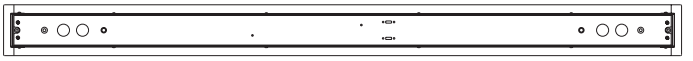




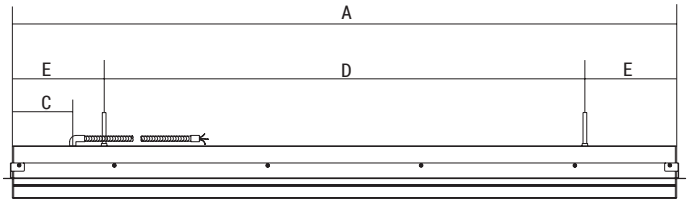
Suggest Installation Before Ceiling
*Lighting fixtures need to be installed before installing ceiling

DECOUSTIC MOUNTING

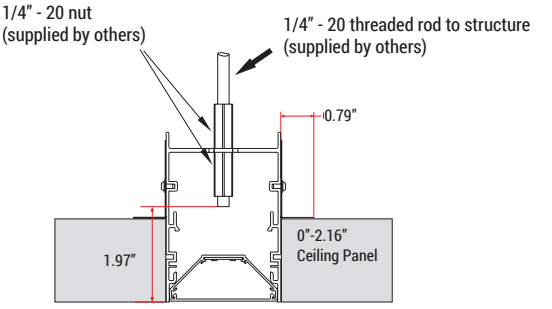
Top View



Side View



DECOUSTIC MOUNTING



*Lighting fixtures need to be installed before installing ceiling

DRY CEILING - DIMENSIONS					
Nominal Length	"A" Housing Length	"B" Wire Rope	"C" Feed Location	"D" Rod Spacing	"E" End Suspensions
	Feet	Feet	Inch	Feet	Feet
2 ft	1.98'	1.92'	3.58"	0.88'	0.55'
3 ft	2.98'	2.94'	3.58"	1.88'	0.55'
4 ft	3.98'	3.94'	3.58"	2.88'	0.55'
8 ft	7.96'	7.90'	3.58"	6.84'	0.55'

A



SCREWS
Screws to fix the drywall flange kit to housing.

B



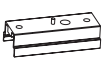
PC DIFFUSER
Flexible, cut able roll up lense, up to 42'.

C



SILICONE SEAL
Note: Silicone seal is used to seal seams that may appear at both ends of luminaires after connecting them.

D



"__" JOINER

E



SAFETY STUD

F



TRIM DRYWALL END CAP

G



1/4" - 20 NUT
Supplied by Others

H



TRIM DRYWALL FLANGE KIT

RAIL 2 RECESSED

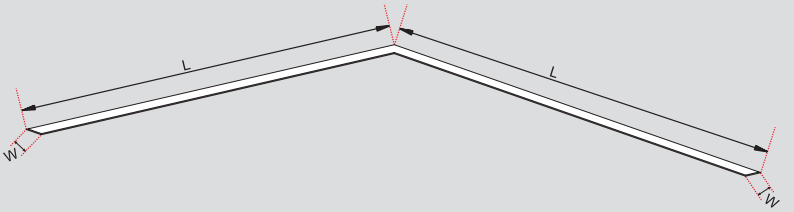
ARCHITECTURAL LED LUMINAIRE

INSTALLATION MANUAL

INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

STEP 1





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

MULTIPLE LUMINAIRES CONNECTION - LINE:

1. 2ft: L37.45" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 2ft fixture, increase the length by 23.51".

2. 3ft: L49.45" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 3ft fixture, increase the length by 35.51".

3. 4ft: L61.46" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 4ft fixture, increase the length by 47.52".

4. 8ft: L108.94" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 8ft fixture, increase the length by 95.04".

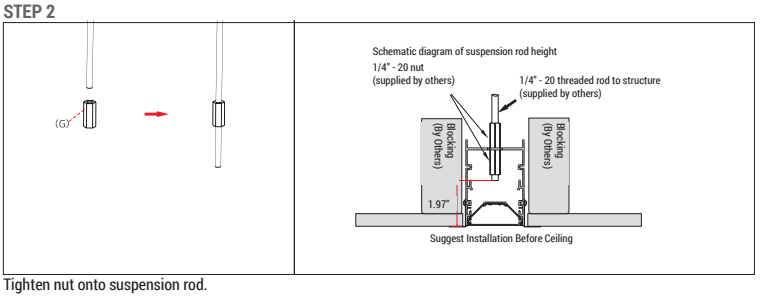
INDIVIDUAL INSTALLATION:

1. 2ft: L24.17" x W2.95" (2.3" Width Linear)
2. 3ft: L36.18 x W2.95" (2.3" Width Linear)
3. 4ft: L48.19" x W2.95" (2.3 Width Linear)
4. 8 ft: L95.71" x W2.95" (2.3" Width Linear)

MULTIPLE LUMINAIRES CONNECTION - LINE:

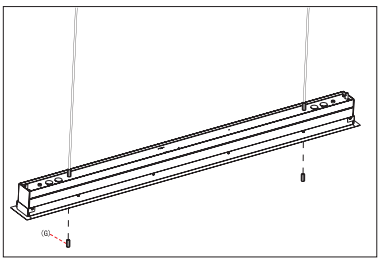
1. 2ft: L24.17" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 2ft fixture, increase the length by 23.51".
2. 3ft: L36.18" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 3ft fixture, increase the length by 35.51".
3. 4ft: L48.19" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 4ft fixture, increase the length by 47.52".
4. 8ft: L95.71" x W2.95" (2.3" Width Linear)
- When continuous runs, each additional 8ft fixture, increase the length by 95.04".

STEP 2



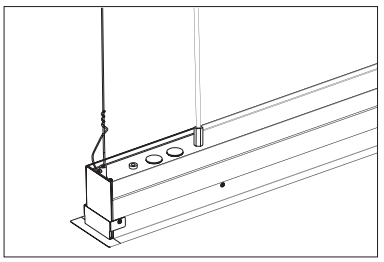
Tighten nut onto suspension rod.

STEP 3



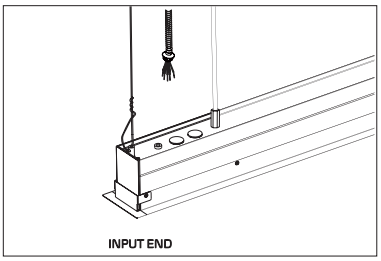
Thread the suspension rod through the top hole of fixture, fix it inside the fixture with a nut (G), and remove the screw system.

STEP 4



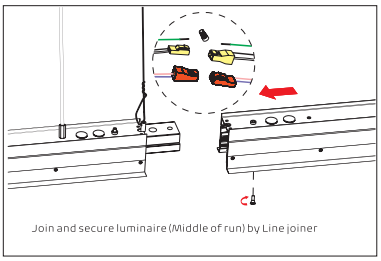
Secure both ends of the luminaire with safety ropes.

STEP 5



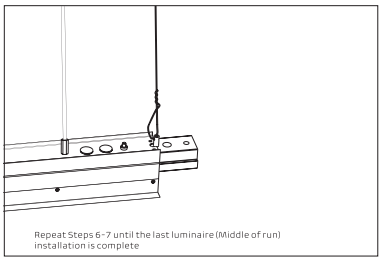
Wiring.

STEP 6



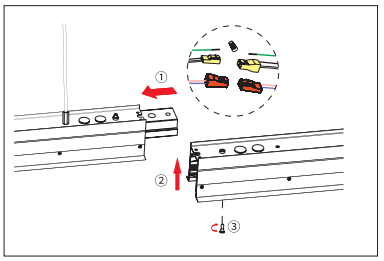
Refer to steps 6-8 for installation of multiple luminaires.
- Line connection

STEP 7



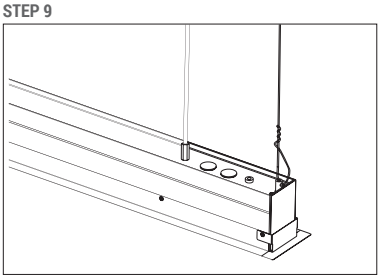
Fix the middle fixture to the ceiling using steel wire ropes and suspension rods.

STEP 8



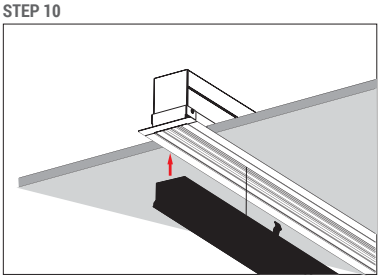
Secure the luminaire (end of run)
1. Slide the whole Line joiner into the last luminaire (middle of run)
2. Connect the luminaire (end of run) with the last luminaire (middle of run).
3. Slide the line joiner halfway into the luminaire (end of run) and secure by screws.

STEP 9



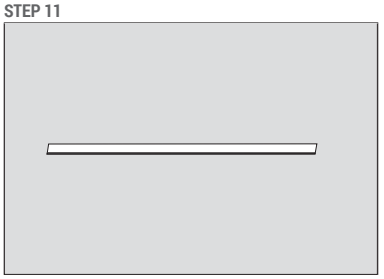
Fix the tail fixture with steel wire ropes and suspension rods.

STEP 10



Plug the LED module into the housing.

STEP 11



Complete.

RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

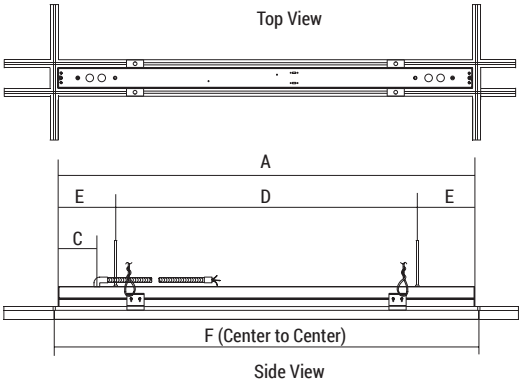
Spitzer LIGHTING

INSTALLATION MANUAL

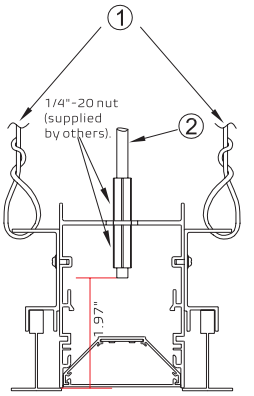
DIMMENSIONS (T-Grid, Drop Ceiling)

GRID CEILING

TRIMLESS



Grid Ceiling
(Wire suspension or 1/4" - 20 threaded rod to structure)

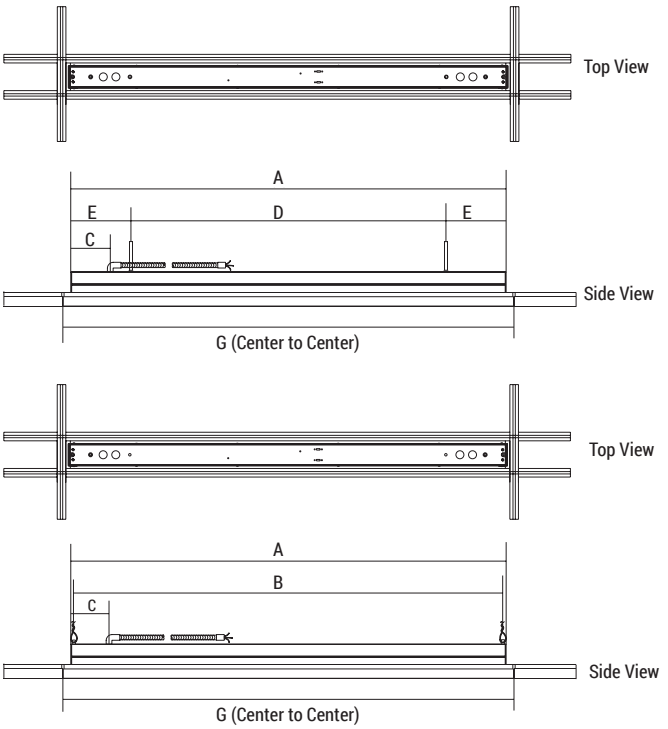


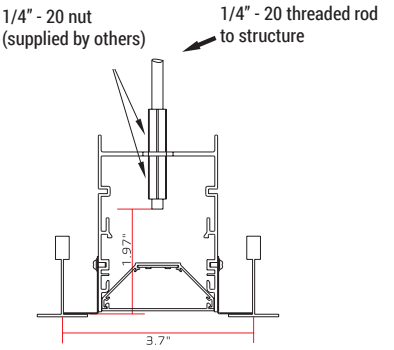
① Support wire to structure

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.

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	Inch	Feet	Feet	Inch	Inch
2 ft	1.98′	1.92′	3.58″	0.88′	0.55′	23.98″ Center to Center	24.96″ Center to Center
3 ft	2.98′	2.94′	3.58″	1.88′	0.55′	35.99″ Center to Center	36.97″ Center to Center
4 ft	3.98′	3.94′	3.58″	2.88′	0.55′	48.00″ Center to Center	48.98″ Center to Center
8 ft	7.96′	7.90′	3.58″	6.84′	0.55′	95.99″ Center to Center	96.50″ Center to Center

RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

INSTALLATION MANUAL

HARDWARE

A



T-GRID HOOK

B



SCREWS

Screws to fix the drywall flange kit to housing.

C



PC DIFFUSER

Flexible, cut able roll up lense, up to 42'.

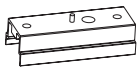
D



SILICONE SEAL

Note: Silicone seal is used to seal seams that may appear at both ends of luminaires after connecting them.

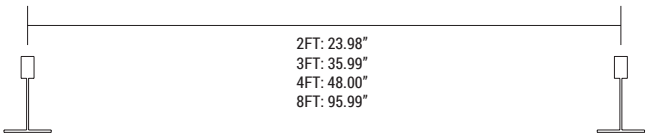
E



LINE JOINER

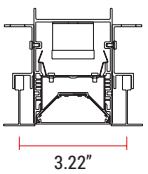
GRID CEILING INSTALLATION

CENTER TO CENTER DISTANCE (LENGTH) 9/16" FLAT, 15/16" FLAT, 9/16" SLOT

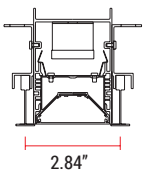


When Continuous Runs:
Each additional 2ft fixture, increase the length by 23.51"
Each additional 3ft fixture, increase the length by 35.51"
Each additional 4ft fixture, increase the length by 47.52"
Each additional 8ft fixture, increase the length by 95.04"

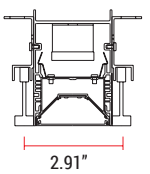
CENTER TO CENTER DISTANCE (WIDTH)



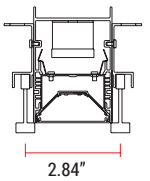
15/16" Flat



9/16" Flat



9/16" Slot-1



9/16" Slot-2

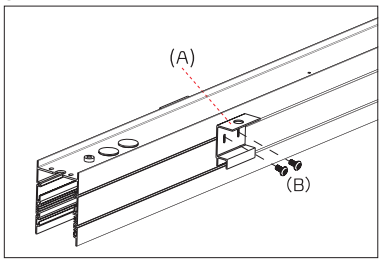
RAIL 2 RECESSED

ARCHITECTURAL LED LUMINAIRE

INSTALLATION MANUAL

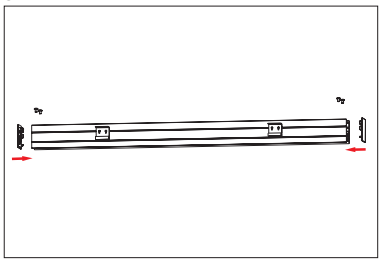
INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

STEP 1



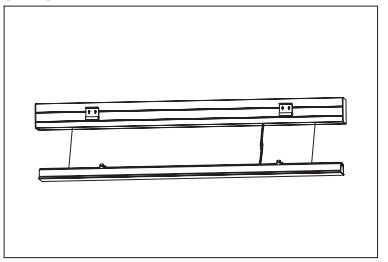
Install the T-grid hook on the housing by screws.

STEP 2



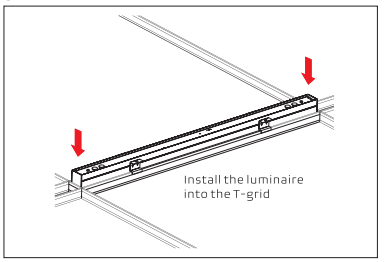
Install end cap as shown.

STEP 3



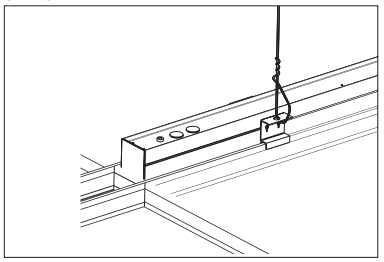
Secure the LED module with aircraft cable and connect the DC male and female terminals.

STEP 4



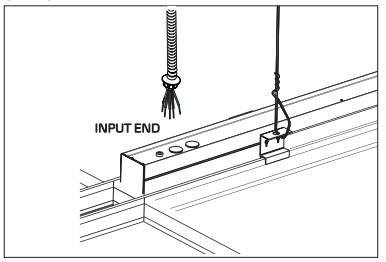
Install the luminaire into the T-grid.

STEP 5



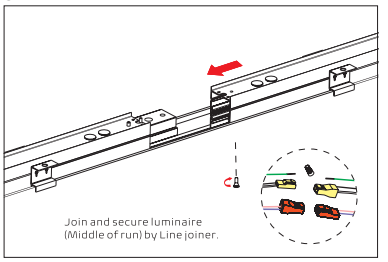
Secure the T-grid hooks with safety hooks.

STEP 6



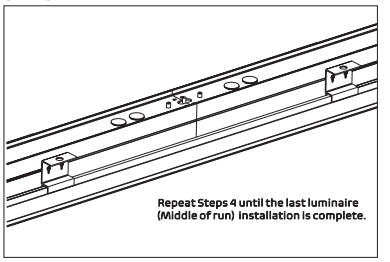
Wiring

STEP 7

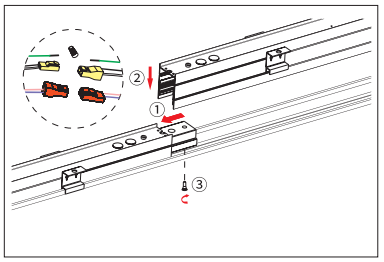


Refer to steps 7-9 for installation.

STEP 8



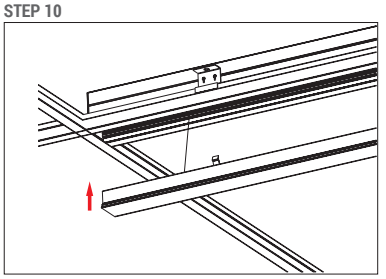
STEP 9



Secure the luminaire (end of run)

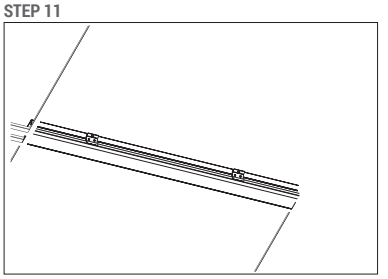
1. Slide the whole Line joiner into the last luminaire (middle of run)
2. Connect the luminaire (end of run) with the last luminaire (middle of run).
3. Slide the line joiner halfway into the luminaire (end of run) and secure by screws.

STEP 10



Plug the LED module into housing.

STEP 11



Complete