

# INSTALLATION INSTRUCTIONS |

## ⚠ WARNING

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

CE PRODUIT DOIT ETRE INSTALLE SELON LE CODE D'INSTALLATION PERTINENT, PAR UNE PERSONNE QUI CONNAIT BIEN LE PRODUIT ET SON FONCTIONNEMENT AINSI QUE LES RISQUES INHERENTS.

DISCONNECT POWER PRIOR TO ANY INSTALLATION.

DEBRANCHEZ LE COURANT AVANT TOUTE INSTALLATION.

CAP ALL WIRING CONNECTIONS WITH UL APPROVED WIRE CONNECTORS.

COUVRIR TOUTES LES CABLES AVE DES CONNECTIONS APPROUVES (UL).

VERIFY SUPPLY VOLTAGE MEETS LUMINAIRE LABEL SPECIFICATIONS.

VERIFIEZ QUE LA TENSION SOIT COMPATIBLE AVEC LES CARACTERISTIQUES DU LUMINAIRE MARQUE SUR LETIQUETTE.

ALLOW FIXTURE TO COOL BEFORE TOUCHING HEATSINK OR LIGHT SOURCE.

LAISSEZ LE PROJECTEUR REFOIDIR AVANT DE TOUCHER LE RADIATEUR OU LA SOURCE DE LUMIERE.

DO NOT ATTEMPT TO OPEN OR MAKE REPAIRS INSIDE LUMINAIRE.

NE PAS TENTER DOUVRIRE OU DE FAIRE DES REPARATINS A L'INTERIEUR DU LUMINAIRE.

AVOID DIRECT VIEWING OF LIGHT SOURCE.

EVITEZ DE REGARDER DIRECTMENT LA SOURCE LUMINEUSE.

THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN.

CE PRODUIT DOIT ITRE INSTALLE PAR UN ELECTRICIEN QUALIFIE.

SUITABLE FOR UNDER-CABINET MOUNT.

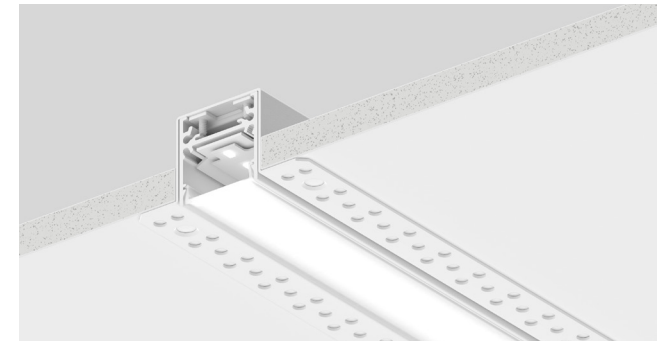
ADAPTE POUR SOUS-CABINET MOUNT.

SUITABLE FOR DAMP LOCATION.

ADAOTE POUR DES ENDROITS HUMIDES.

SUITABLE FOR CONTINUOUS ROW MOUNTING.

ADAPTE POUR CONTINUE ROW MONTAGE.

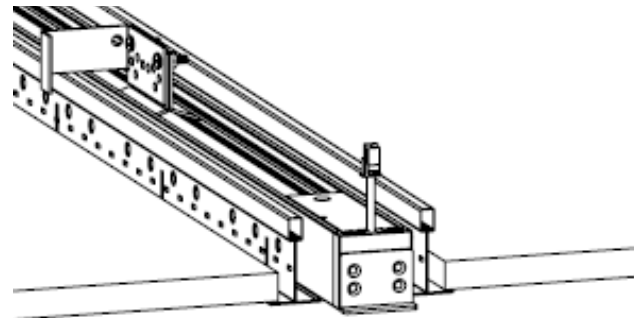
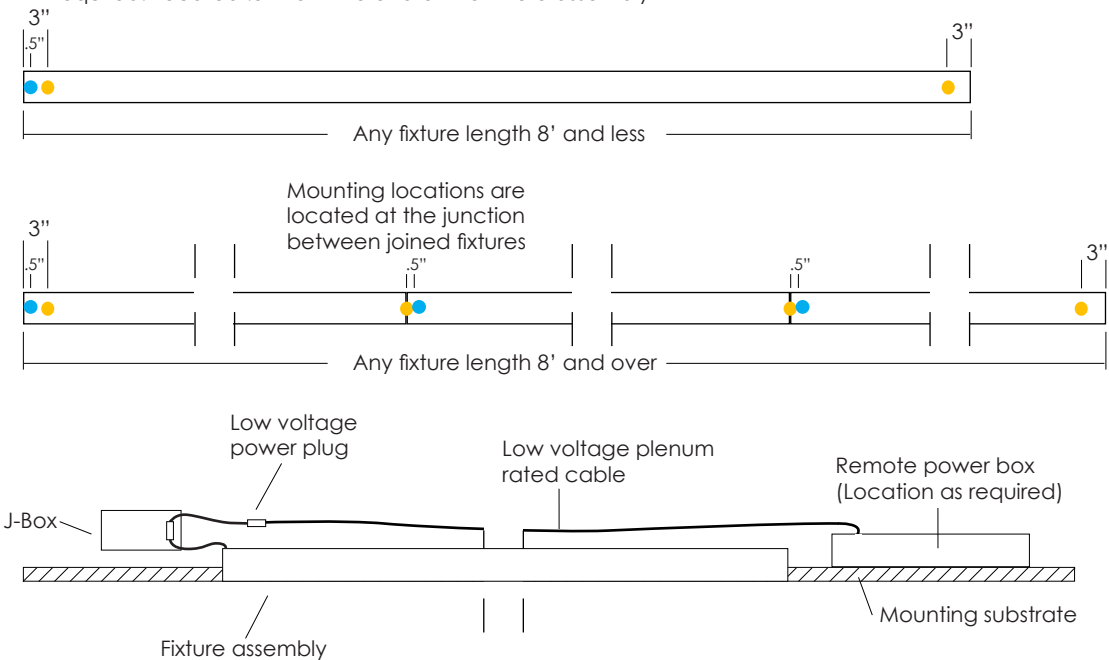


## RECESSED MICRO BEAM

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## Mounting locations

Mounting locations (●) vary due to length. Views below show top of fixtures and their hole location. Please see below of mounting locations as these vary based on length of the fixture. Power input locations (●). One power input per 8' section required. Located .5" from the end of the fixture assembly



Low Voltage power plug is on one end. To be plugged into the low voltage power wire from the driver box. Install a J-box behind the fixture. Drill a small hole through the substrate to push the plug through for installation.

## Driver Wiring diagram

Wiring configurations are dependent on the options chosen. Below are a few examples of our standard wiring that is used to power the fixture.

WIRING	
HIGH VOLTAGE	LOW VOLTAGE
18 GA	
H = HOT	+D(V) = +DIMMING
N = NEUTRAL	-D(G) = -DIMMING
GND = GROUND	

HOT (BLACK)

NEUTRAL (WHITE)

GROUND (GREEN)

+DIMMING(VIOLET)

-DIMMING (PINK)

This wiring diagram is showing a standard set of wires for a basic fixture.

WIRING	
HIGH VOLTAGE	LOW VOLTAGE
18 GA	
S = SWITCHED	+D(V) = +DIMMING
N = NEUTRAL	-D(G) = -DIMMING
U = UNSWITCHED	
GND = GROUND	

SWITCHED (BLACK)

NEUTRAL (WHITE)

GROUND (GREEN)

UNSWITCHED (RED)

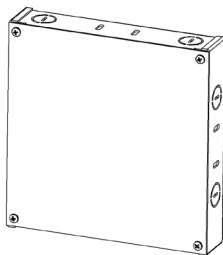
+DIMMING(VIOLET)

-DIMMING (PINK)

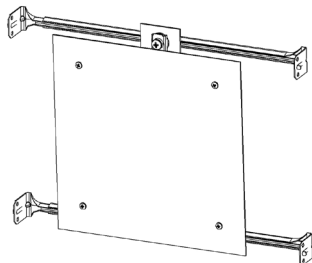
This wiring diagram is showing a set of wires for a fixture with a emergency battery.

Note: DO NOT PUT LINE VOLTAGE INTO THE PINK AND VIOLET WIRES, THIS CAN DAMAGE THE DRIVER

Remote Power Box - Location as required. Install within 12ft of fixture for the running of low voltage plenum rated cable



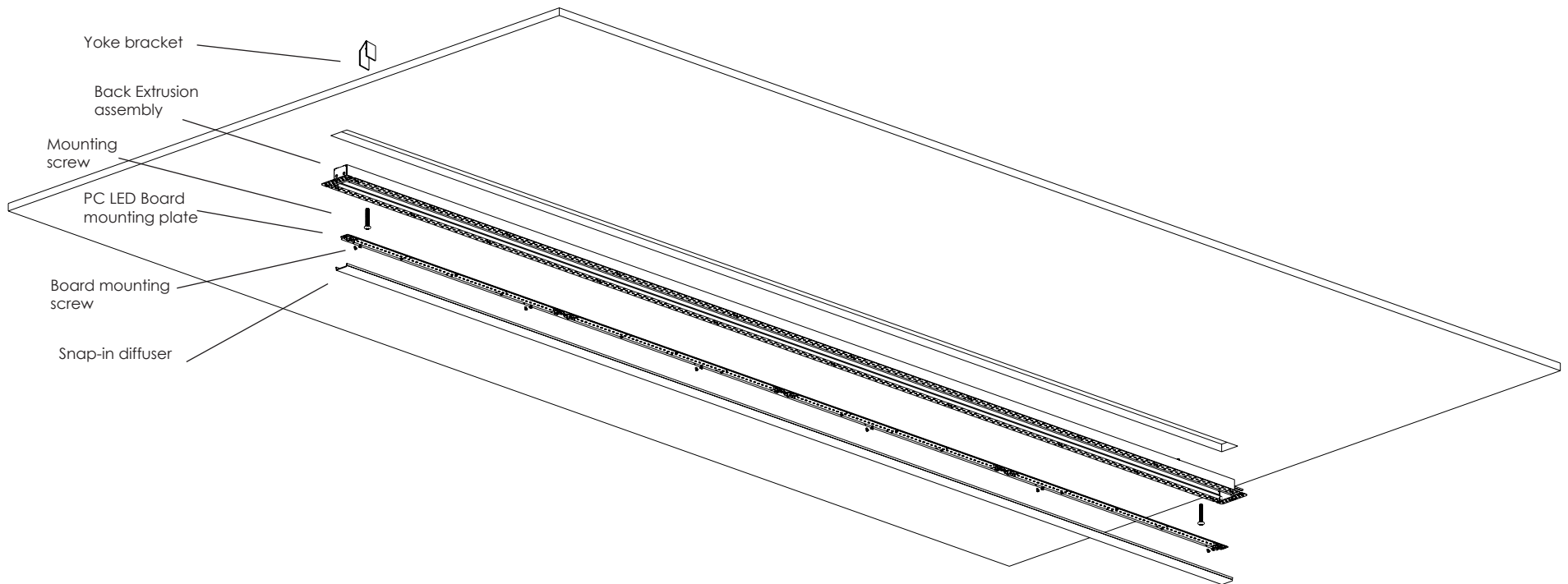
Wall mounted Remote Power Box - Location as required. Install within 12ft of fixture for the running of low voltage plenum rated cable



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## Individual fixture

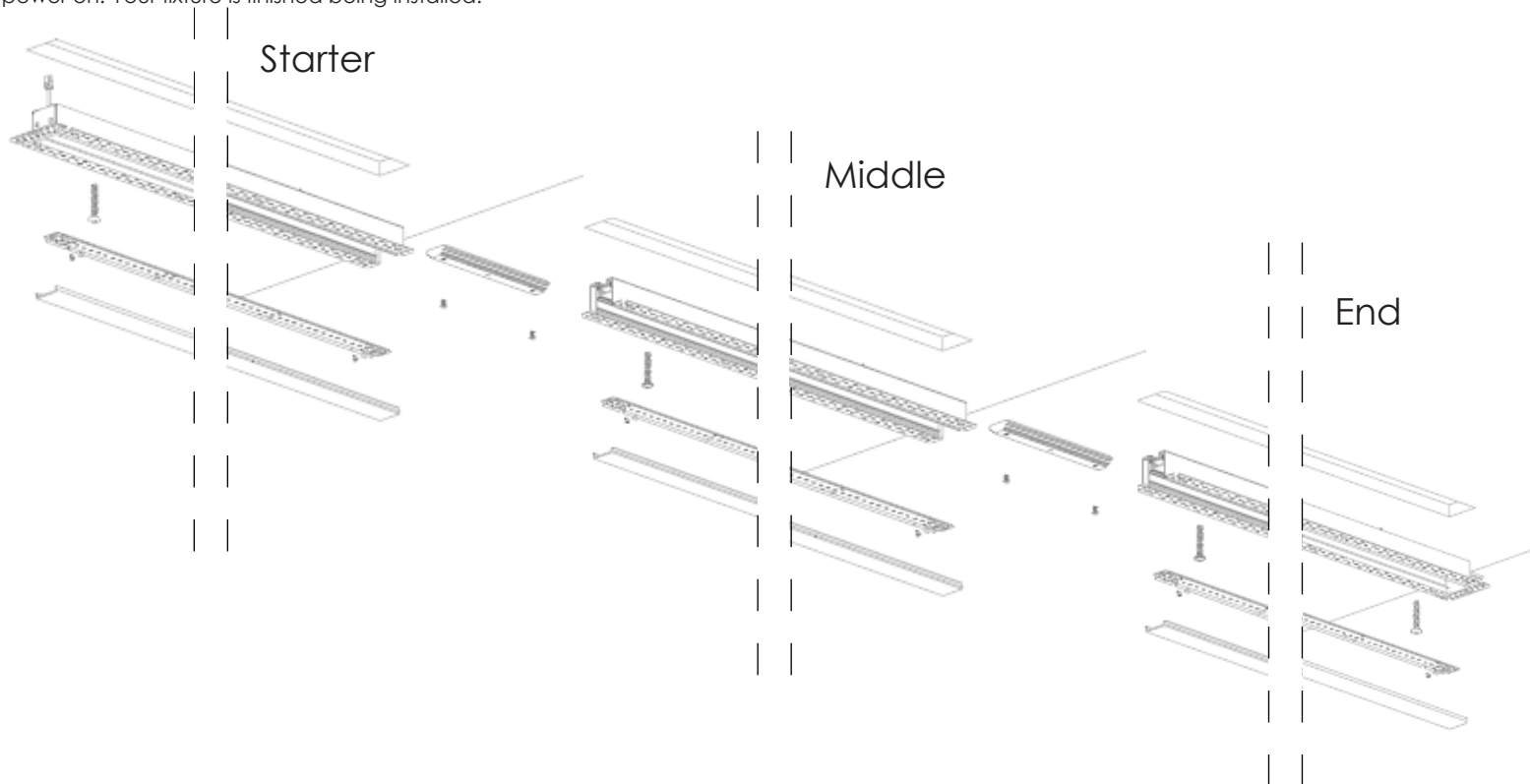
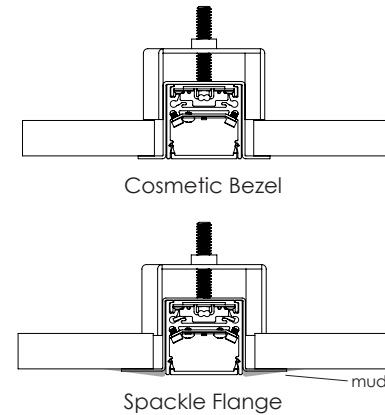
1. Remove fixture from packaging. Check to make sure line voltage is off before making any electrical connections.
2. Check to make sure that the dimensions of the rough in for the fixture are correct. The rough in width is always 1-3/4" wide x the fixture length + 1". Ex. – 8ft fixture should have a 97" long rough in.
3. Install remote driver boxes (location as required) and run the low voltage plenum rated cable to the J-box behind the fixture.
4. Wire driver using the provided wiring diagram (pg. 2).
5. Remove snap-in diffuser from the Back extrusion assembly by gently prying on the edge of the diffuser until it pops out.
6. Remove the Board Mounting screws and gently lift the LED Board mounting plate from the back assembly. Be sure not to pull the input wire from the LED board.
7. Place extruded back housing assembly in rough in opening to mark the mounting locations. Pre-drill as required (structural fasteners provided by others, Min 1/4" x 2" mounted to structure).
8. Insert the low voltage power plug through the hole in the mounting substrate. Plug the two ends together inside a J-Box located behind the mounting substrate.
9. Attach extruded back housing to the structure.
10. Reinstall the LED Board mounting plate using the board mounting screws.
11. Reinstall the Snap-in diffuser.
12. Turn the power on. Your fixture is finished being installed.



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## Multiple Fixtures

1. Remove fixtures from packaging. Check to make sure line voltage is off before making any electrical connections.
2. Check to make sure that the dimensions of the rough in for the fixture are correct. The rough in width is always 1-3/4" wide x the total measured fixture length + 1/4".
3. Install remote driver boxes (location as required) and run the low voltage plenum rated cable to the J-boxes behind the fixtures.
4. Wire driver using the provided wiring diagram (pg. 2).
5. Remove snap-in diffuser (if installed) from the Back extrusion assemblies by gently prying on the edge of the diffuser until it pops out.
6. Remove the Board Mounting screws and gently lift the PC LED Board mounting plate from the back assembly. Be sure not to pull the input wire from the LED board.
7. Place extruded back housing assembly in rough in opening to mark the mounting locations. Start with the first fixture in the row. Pre-drill as required (structural fasteners provided by others, Min 1/4" x 2" mounted to structure)
8. Start with the first fastener in the starter fixture and then install the screw into the joiner assembly. Then slide the next fixture in the row onto the joiner assembly until the two extrusions are flush. Repeat process until the entire row has been installed.
9. Insert the low voltage power plug through the hole in the mounting substrate. Plug the two ends together inside a J-Box located behind the mounting substrate.
10. Attach extruded back housing to the structure.
11. Reinstall the PC LED Board mounting plate using the board mounting screws.
12. Reinstall the Snap-in diffuser (unroll diffuser from the spool if provided separately) start from one end and install into extrusion. If diffuser requires cutting, mark length installed in fixture and cut down as required.
13. Turn the power on. Your fixture is finished being installed.



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## T-Grid installation procedure

1. Remove adjacent ceiling tile for easy access during installation.
2. Remove fixture from packaging. Check to make sure line voltage is off before making any electrical connections.
3. Install remote driver boxes (location as required) and run the low voltage plenum rated cable to the J-box behind the fixture.
4. Wire driver using the provided wiring diagram (pg. 2)
5. Install t-grid universal clip onto the sliding T-bar clip. Two mounts required per fixture (3 for 8' fixtures).
6. Bring fixture assembly up through the opening and set into the t-grid position. Once fixture is positioned, hang fixture to structure provided by others.
7. Plug low voltage power plug through the hole in the t-grid ceiling. Plug the two ends together inside a J-Box located behind the T-grid ceiling.
8. If installing more than one fixture assembly, once the first fixture is installed then slide the next fixture over joiner assembly and position and tighten mounting clips as required.
9. Reinstall the Snap-in diffuser if removed.
10. Turn the power on. Your fixture is finished being installed.

