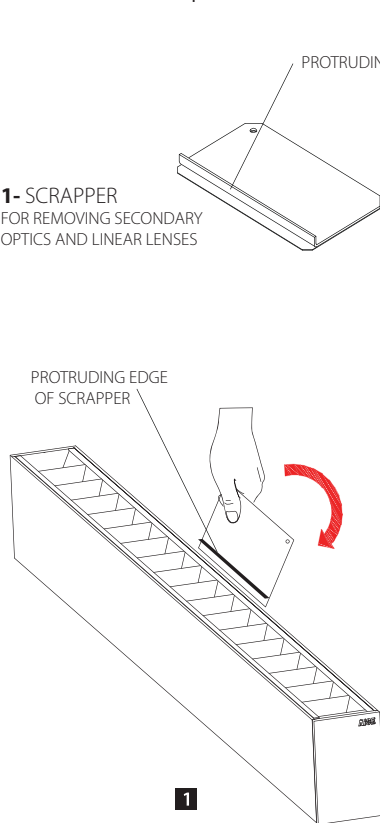




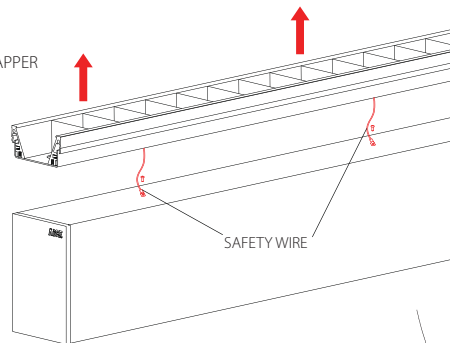
## WARNING:

Shock hazard. Serious injury or death may occur. Turn Off power before servicing or installing. Wire according to local and national codes. This product shall be installed by a qualified electrician.

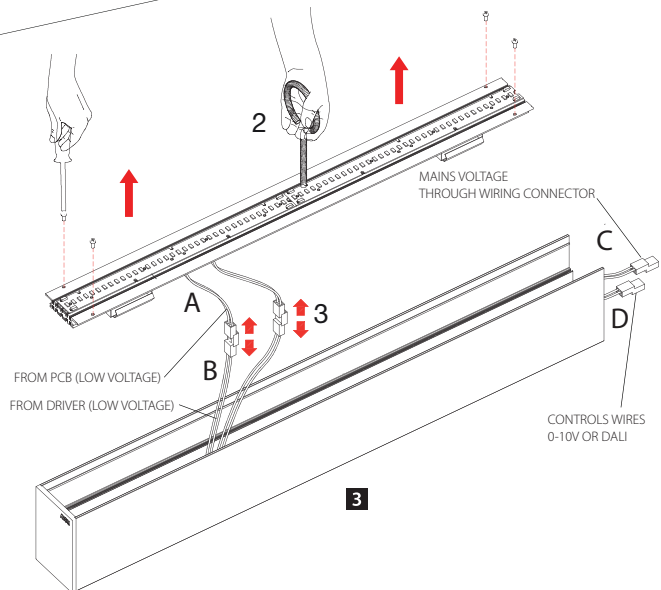
**1- SCRAPPER**  
FOR REMOVING SECONDARY  
OPTICS AND LINEAR LENSES



**2**



**2- THREADED HANDLE**  
FOR HANDLING COMPONENT TRAY

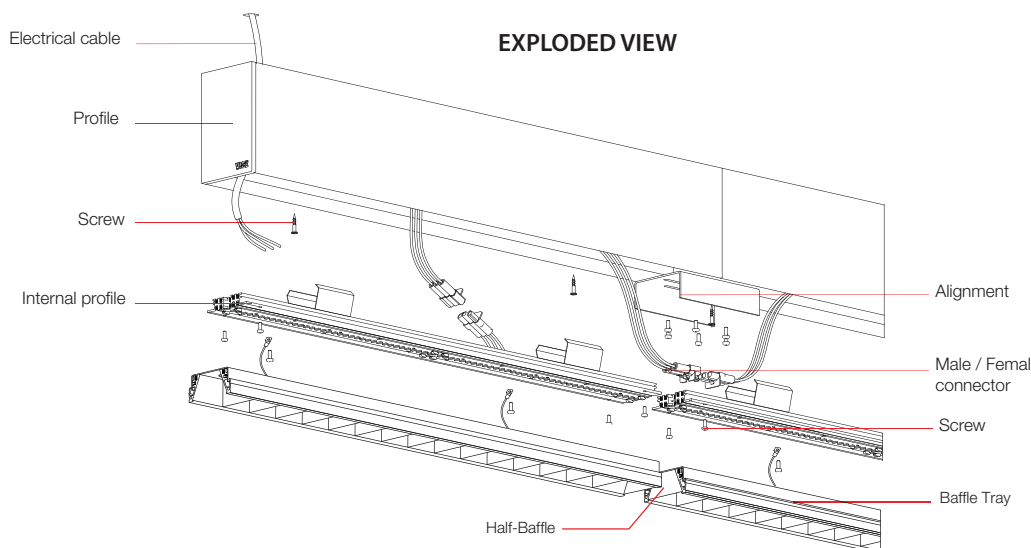


**1-** Insert the provided scrapper between the profile inner side and the secondary optics (Baffles, Lenses or Reflector) with the protruding scrapper ledge toward the inside of the profile. Twist the scrapper downward snapping the secondary optics (Baffles, Lenses or Reflector) out of position.

**DO NOT USE A SCREWDRIVER TO PERFORM THIS OPERATION**

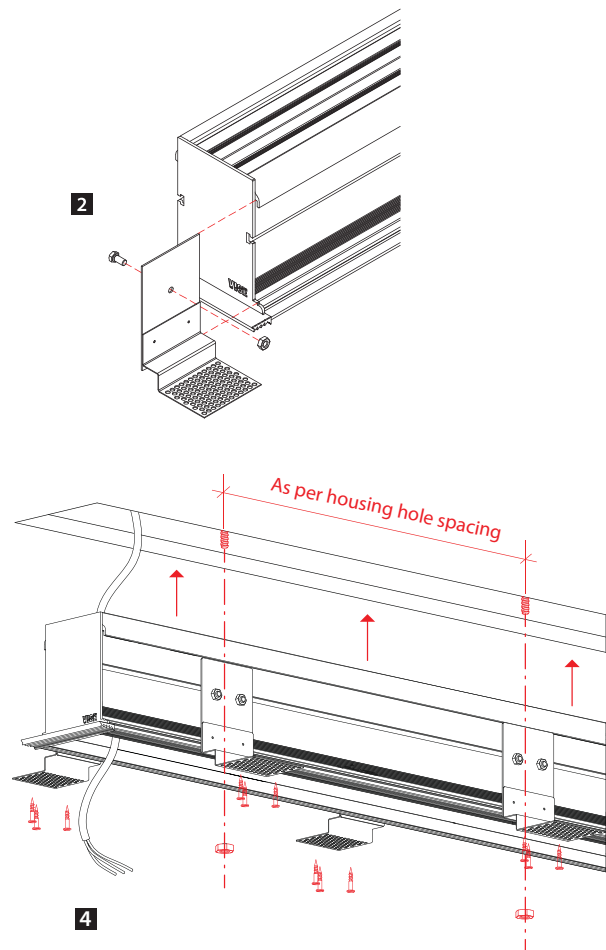
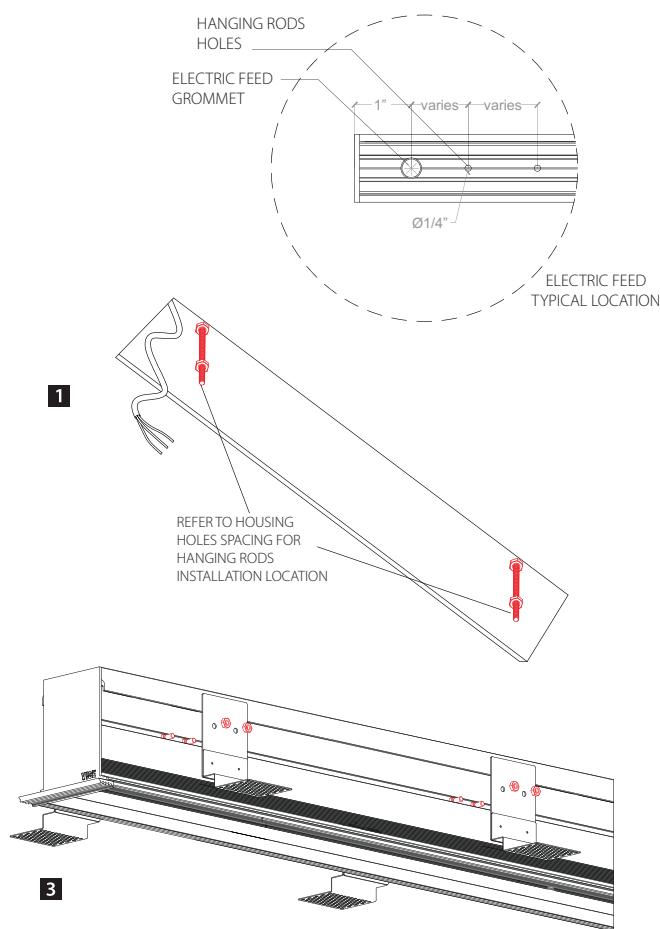
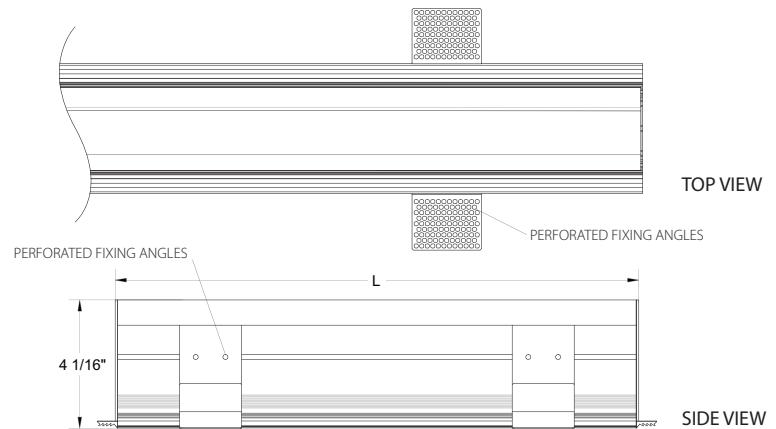
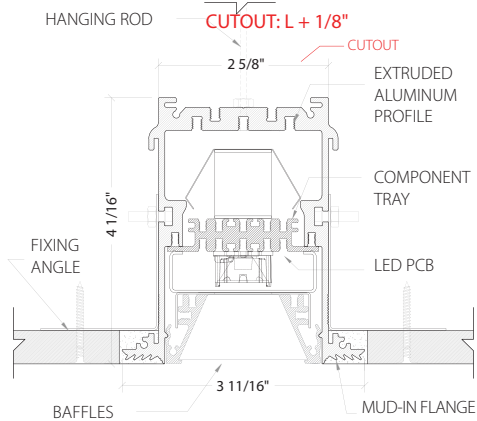
**2-** Lift the secondary optic from the housing and unfasten the safety wires as shown in Fig. 2.

**3-** Unfasten the component tray screws as shown in Fig. 3 and lift it using the threaded handle. disconnect the wire leads of the component tray (A) from the Driver wire leads (B) as shown in Fig.3 . Remove it and store them in a secure place to avoid damage



We reserve the right to make technical changes without prior notice.

## RECESSED TRIMLESS



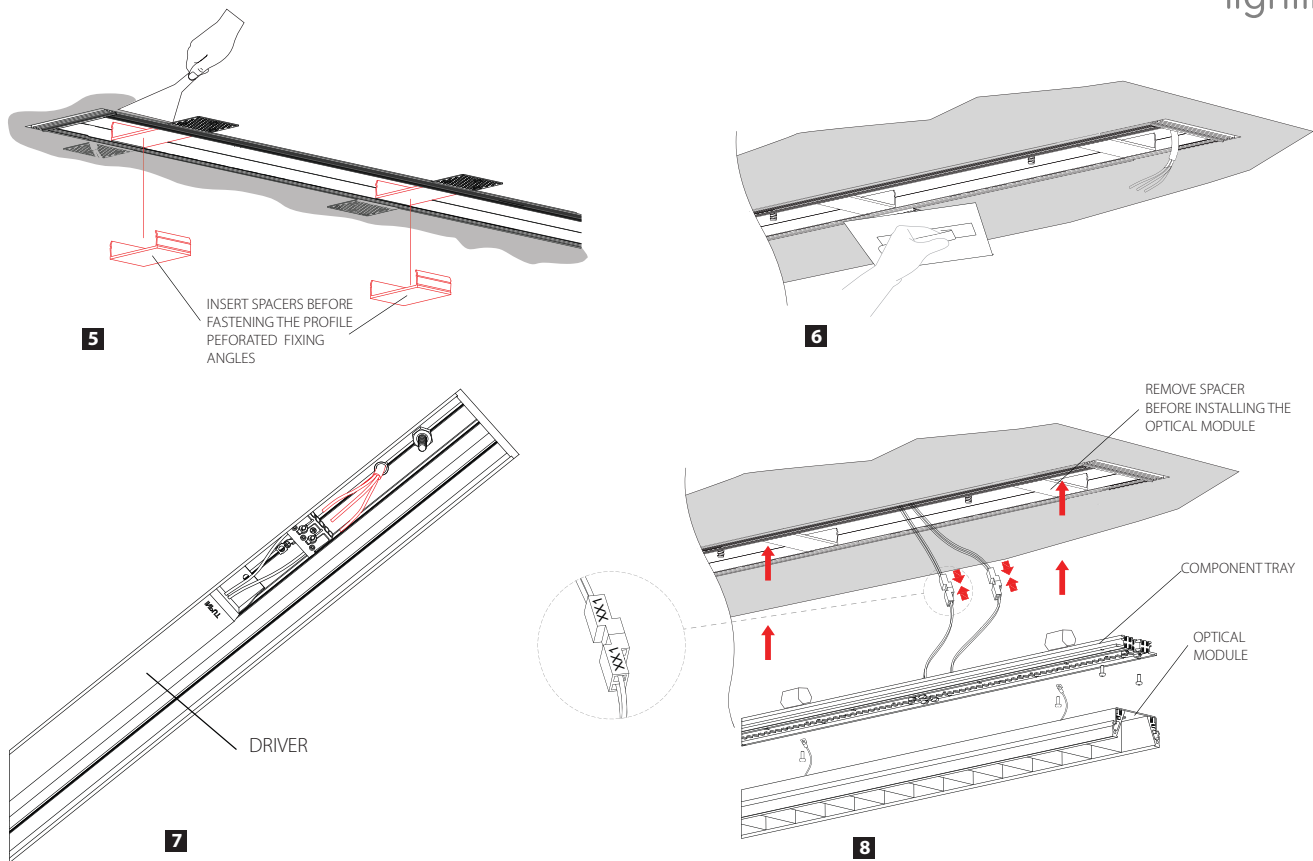
**1-** Hanging rods to be secured to supporting slab by contractor. Layout of hanging rods to follow the holes positioning on the profiles. Cut out gypsum board ceiling according to dimensions shown SECTION and table of lengths on page 11

**2-** Insert the perforated fixing angles and tighten them using the provided nuts, according to the required spacing as per fig. 2. Angles should not be spaced more than 16" apart as per fig. 3

**3-** Insert Main Electric feed through housing hole equipped with grommet and make sure to have enough slack in the cable to reach the connecting terminal block. Always leave 12" of slack beyond the terminal block reach per fig. 4.

**4-** Insert profile in Ceiling Cutout. Fasten the nuts in the hanging rods and use them to level the housing. All perforated fixing angles must touch the exposed ceiling face firmly, which is an indication that the profile is leveled. **After STEP 5,** Fasten 2 or 3 Screws in each of the perforated fixing angles to secure the profile in ceiling as per fig. 4 (Use appropriate screw length and type per ceiling material)

We reserve the right to make technical changes without prior notice.

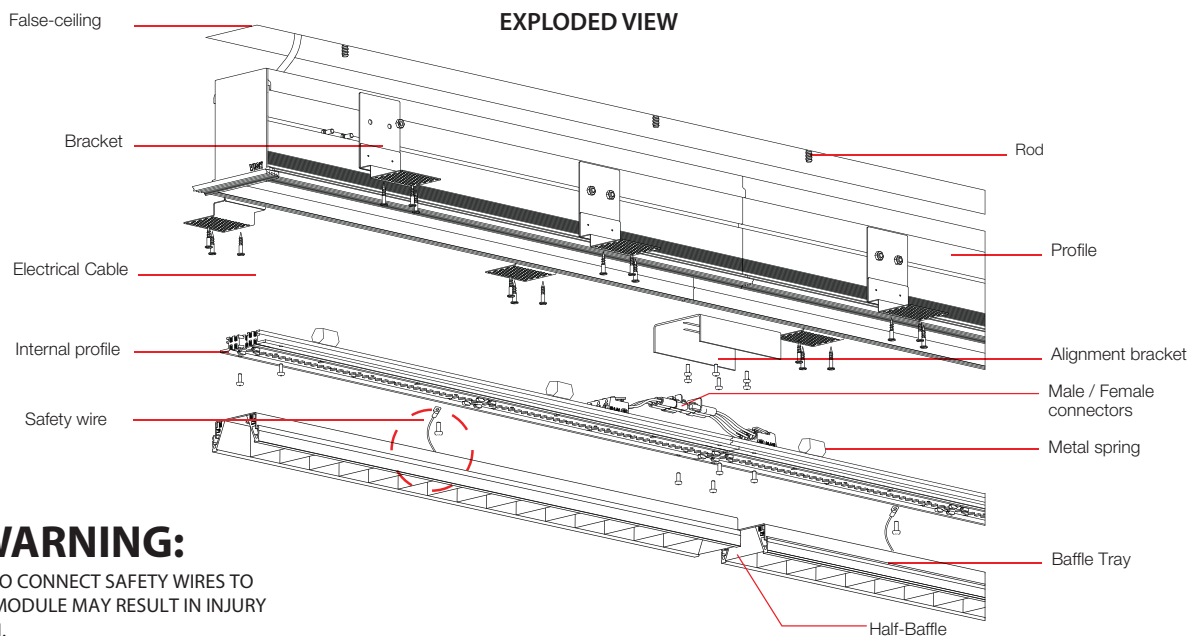


**5-** Install provided spacers in profile to prevent the aperture from being distorted during fastening of perforated fixing angles to ceiling. Apply compound filler to mud-in profile spackle flange. Use Self Adhesive mesh tape to prevent compound filler cracks as per fig. 5

**6-** Using a trowel, complete mudding in the profile flange to the ceiling. The compound filler thickness should be no less than 1/16" and no more than 1/8"

**7-** Remove spacers and connect the main electric feed to the Driver terminal block as per fig. 7 (**Make sure to follow wiring diagram on page 12**)

**8- Make sure to connect the optical module safety wires before finishing step 8.** Connect all component tray wires using female / male connectors, fasten component tray screws, and snap in the optical module as per fig. 8

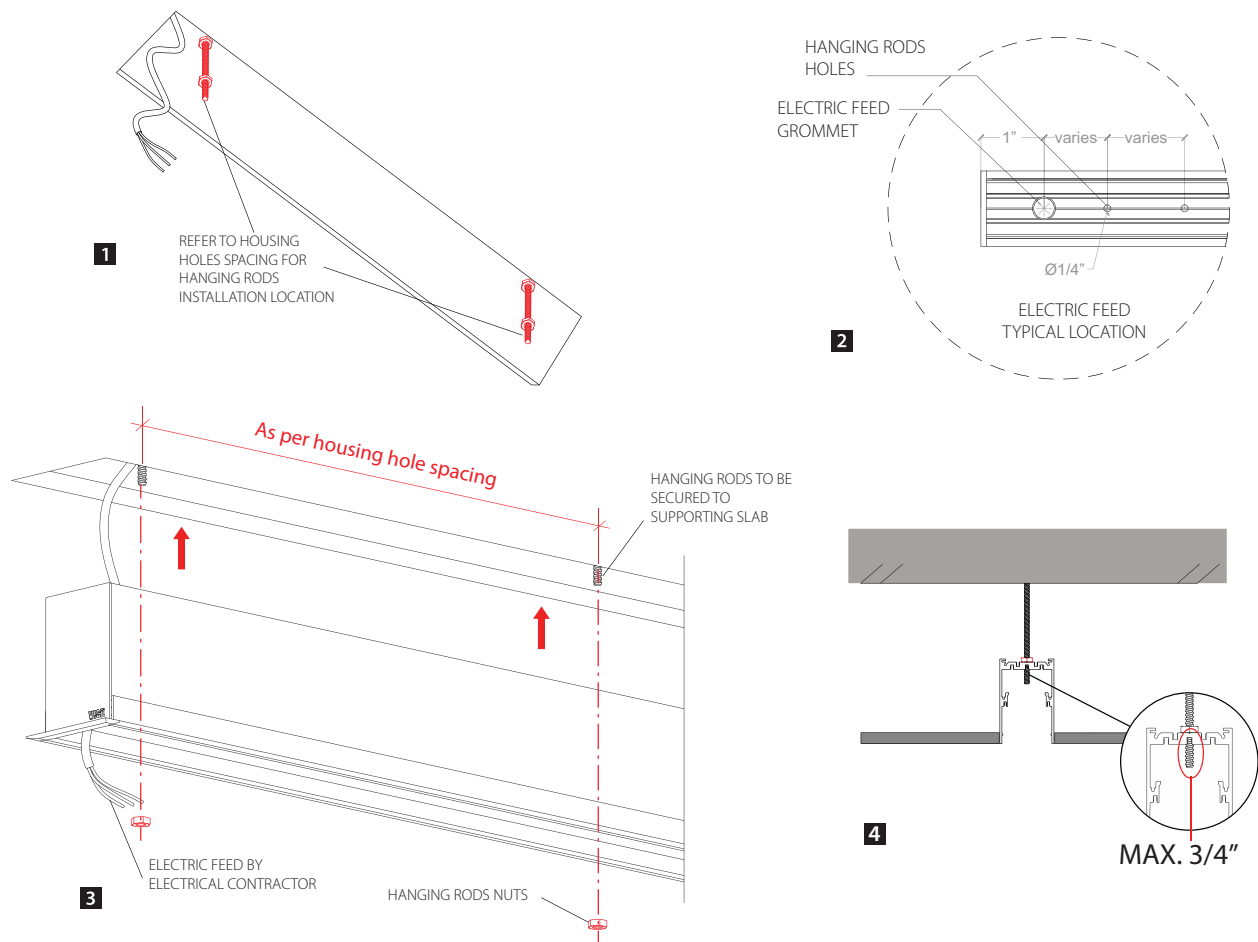
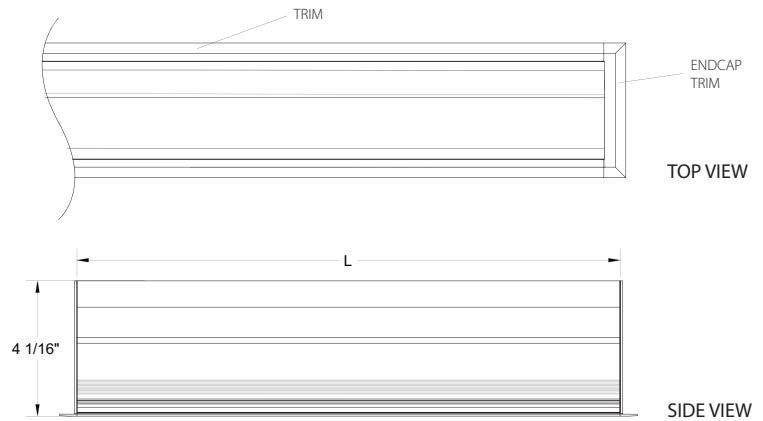
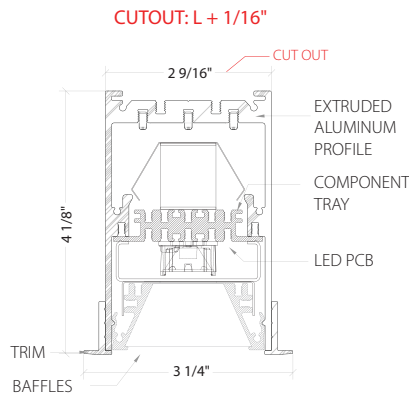


## **⚠ WARNING:**

FAILURE TO CONNECT SAFETY WIRES TO OPTICAL MODULE MAY RESULT IN INJURY OR DEATH.

**REFER TO PAGE 10 FOR CONTINUOUS RUNS INSTALLATION INSTRUCTIONS**

## RECESSED WITH TRIM

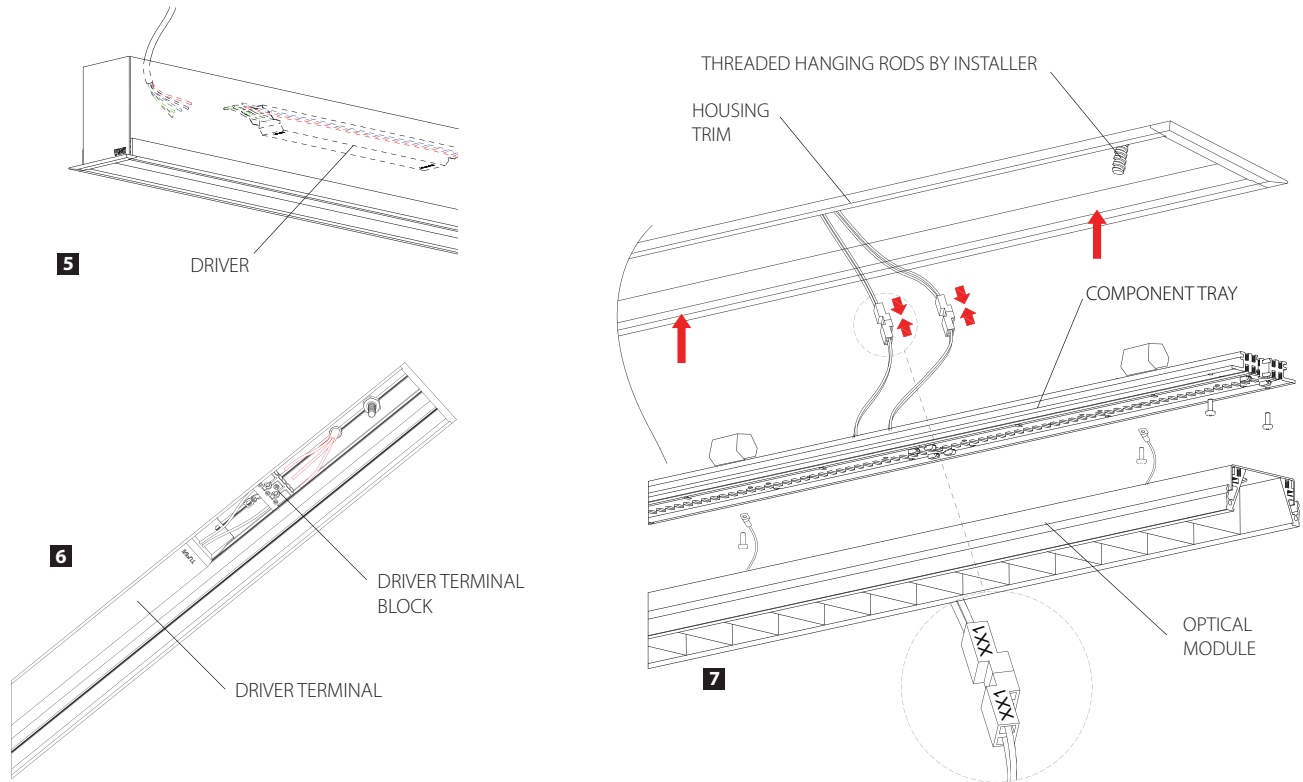


**1-** Hanging rods to be secured to supporting slab by contractor. Spacing of hanging rods to follow the holes positioning on the profiles. Cut out gypsum board ceiling according to dimensions shown SECTION and table of lengths on page 11

**2-** Insert Main Electric feed through housing hole equipped with grommet and make sure to have enough slack in the cable to reach the connecting terminal block. Always leave 12" of slack beyond the terminal block reach per fig. 4 .

**3-** Insert profile in Ceiling Cutout. Fasten the nuts in the hanging rods and use them to level the housing. Profile trim must consistently touch the exposed ceiling face firmly, which is an indication that the profile is leveled. Make sure the Hanging Rod is not protruding more than 3/4" inside the profile as per fig. 4

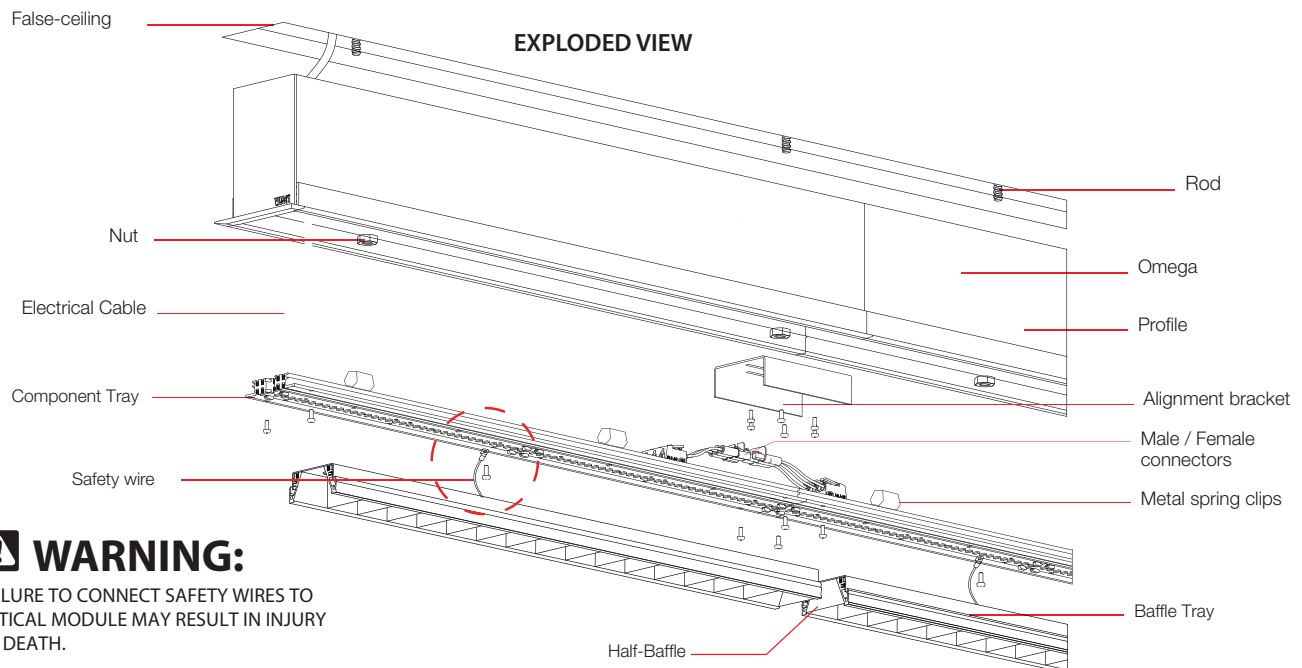
We reserve the right to make technical changes without prior notice.



**5-** When Inserting the Electric feed cable in the profile make sure the cable has enough slack to reach the driver connector or the driver terminal block before cutting excess wire.

**6-** connect the main electric feed to the Driver terminal block as per fig. 6 (**Make sure to follow wiring diagram on page 12**)

**7- Make sure to connect the optical module safety wires before finishing step 7.** Connect all component tray wires using female / male connectors, fasten component tray screws, and snap in the optical module as per fig. 7



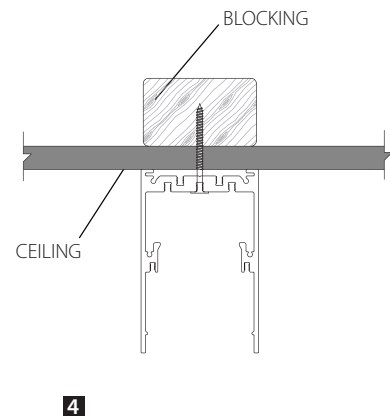
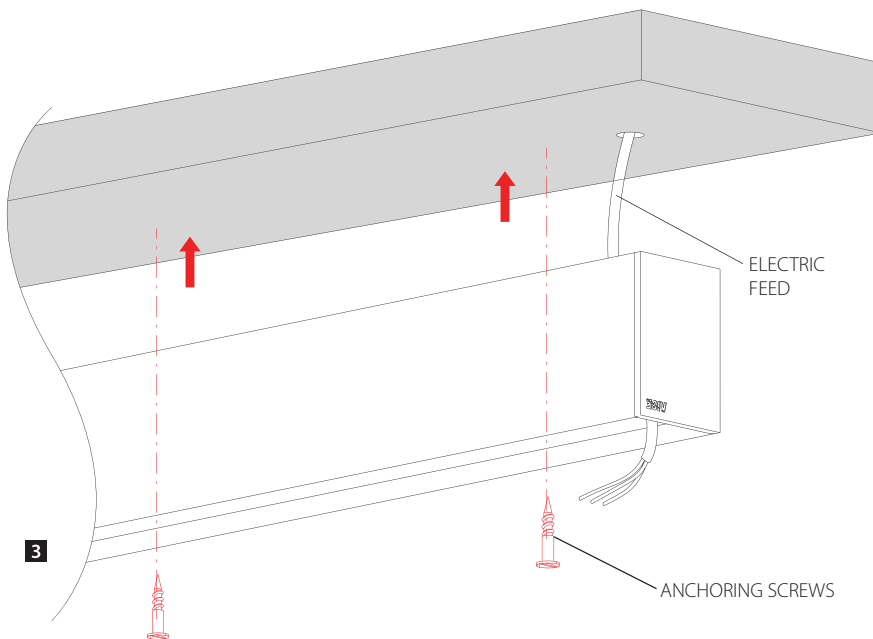
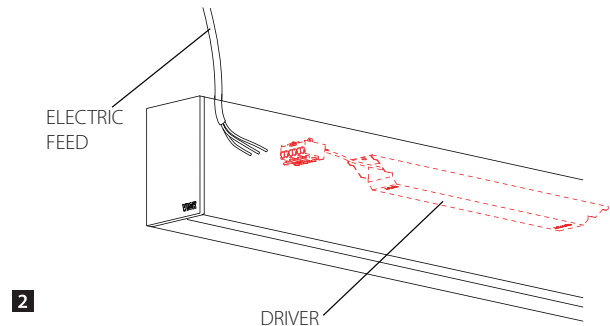
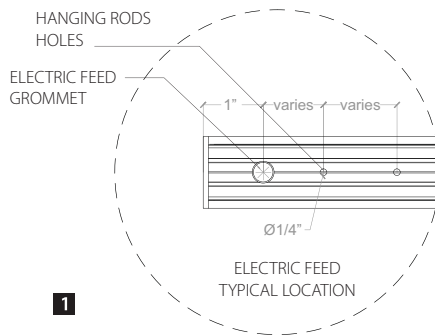
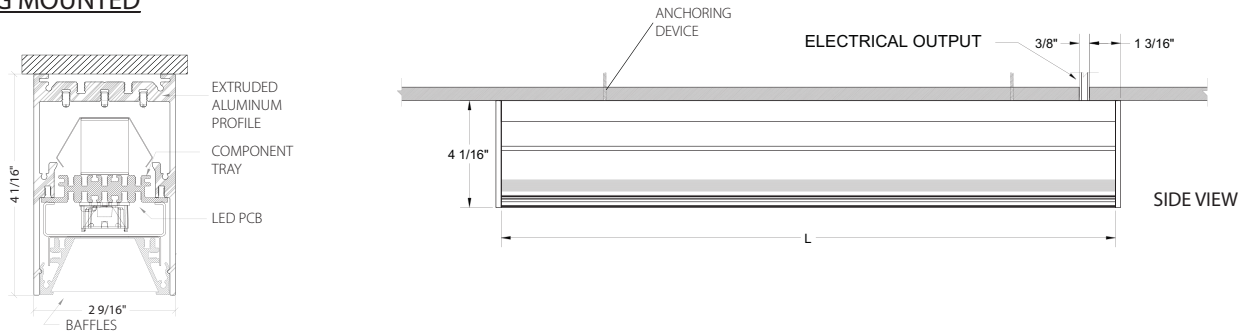
## ⚠ WARNING:

FAILURE TO CONNECT SAFETY WIRES TO OPTICAL MODULE MAY RESULT IN INJURY OR DEATH.

**REFER TO PAGE 10 FOR CONTINUOUS RUNS INSTALLATION INSTRUCTIONS**

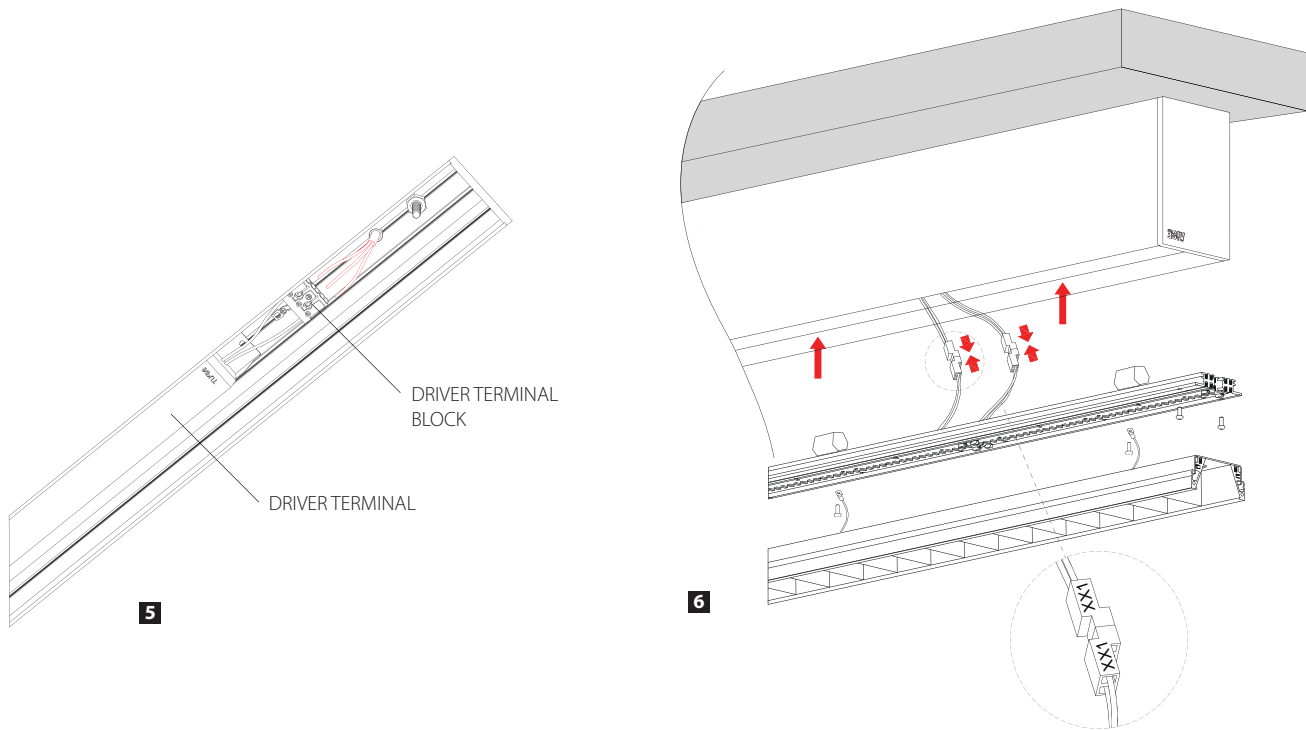
We reserve the right to make technical changes without prior notice.

## CEILING MOUNTED



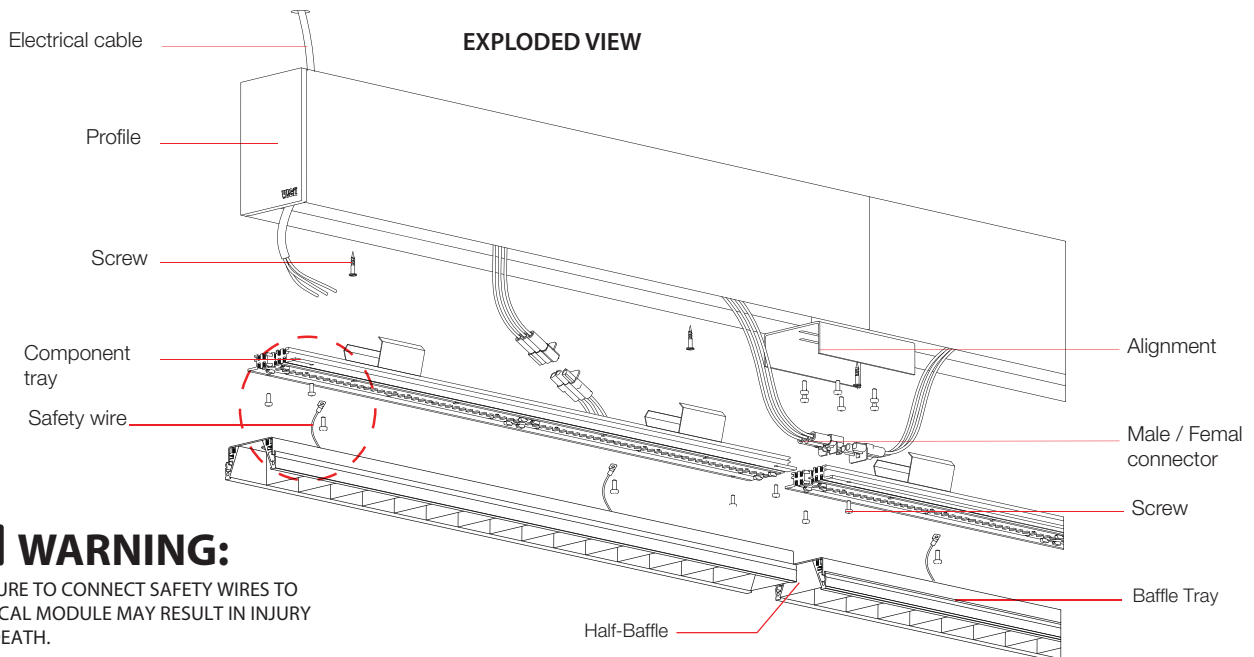
- 1-** Insert Main Electric feed through housing hole equipped with grommet and make sure to have enough slack in the cable to reach the connecting terminal block. Always leave 12" of slack beyond the driver terminal block reach per fig. 2 .
- 2-** Contractor to make sure supporting surface can bear the weight and load of products to be installed. Contractor to provide proper backing or blocking above ceiling as per fig. 4. Spacing of anchors to follow the holes positioning on the profiles.
- 3-** Anchoring fasteners are to be provided by Contractor. Any anchoring device should be checked for compatibility with the ceiling type and its load bearing specifications.
- 4-** Mounting Screws to be tightened until the profile is entirely in contact with the exposed ceiling surface. DO NOT over-tighten fasteners if gaps between the profile and ceiling are still showing due to ceiling surface un-eveness.

We reserve the right to make technical changes without prior notice.



**5-** When Inserting the Electric feed cable in the profile make sure the cable has enough slack to reach the driver connector or the driver terminal block before cutting excess wire. connect the main electric feed to the Driver terminal block as per fig. 6 (**Make sure to follow wiring diagram on page 12**)

**6-** Make sure to connect the optical module safety wires before finishing step 7. Connect all component tray wires using female / male connectors, fasten component tray screws, and snap in the optical module as per fig. 7



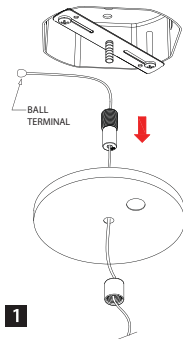
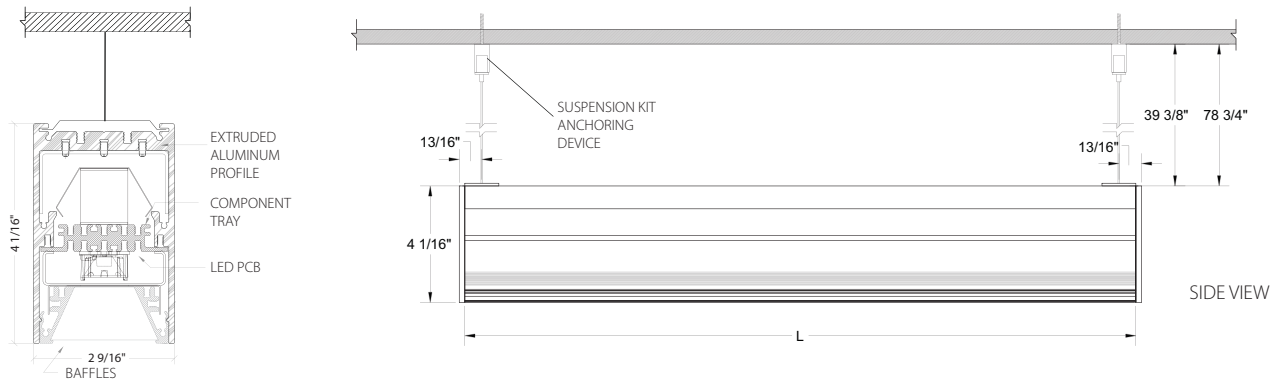
## **WARNING:**

FAILURE TO CONNECT SAFETY WIRES TO OPTICAL MODULE MAY RESULT IN INJURY OR DEATH.

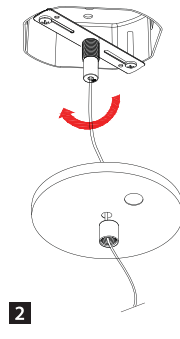
**REFER TO PAGE 10 FOR CONTINUOUS RUNS INSTALLATION INSTRUCTIONS**



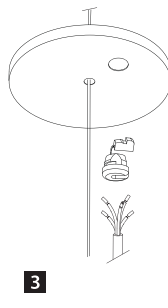
## CEILING PENDANT



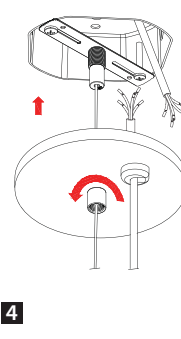
**1**  
INSTALL CANOPY BRACKET TO JUNCTION BOX



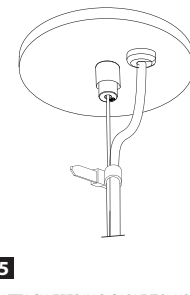
**2**  
SCREW AIRCRAFT CABLE COUPLER TO CANOPY BRACKET LEAVING THE CANOPY HANGING



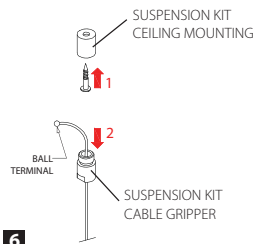
**3**  
SLIP STRAIN RELIEF ONTO FEEDING CABLE. KEEP ENOUGH CABLE SLACK FOR CONNECTION



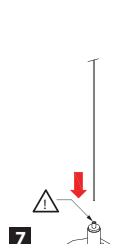
**4**  
MAKE ELECTRICAL CONNECTIONS IN JUNCTION BOX. REFER TO WIRING DIAGRAM ON PAGE 7



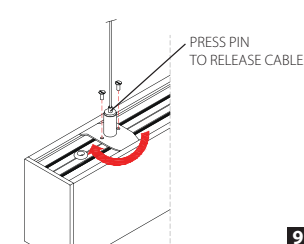
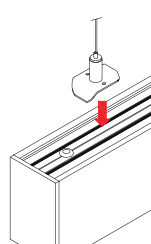
**5**  
ATTACH FEEDING CABLE TO AIRCRAFT CABLE WITH CABLE TIES. ENSURE CABLE TIES ARE EVENLY SPACED AND ALIGNED. CUT EXCESS CABLE TIE LENGTHS.



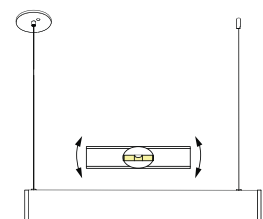
**6**  
DISASSEMBLE CEILING SUSPENSION SET. FIX THE UPPER PART ONTO THE CEILING. INSERT THE AIRCRAFT CABLE INTO THE BOTTOM PART CABLE GRIPPER OF THE SUSPENSION SET. SCREW BOTH PARTS BACK TOGETHER



**7**  
INSERT AIRCRAFT CABLE IN CABLE GRIPPER. TWIST IT INTO PLACE AND FIX ITS LOCATION WITH THE PROVIDED SCREWS



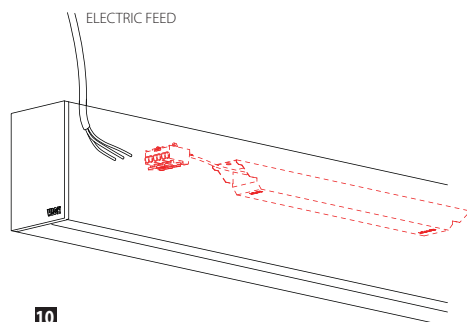
**8**  
HOLD THE LUMINAIRE WHILE PRESSING THE PIN



**9**  
MAKE SURE THE FIXTURE IS LEVEL BEFORE CUTTING THE EXCESS AIRCRAFT CABLE.

## **⚠ WARNING:**

USE PROPER TYPE OF FASTENER WITH YOUR MOUNTING SURFACE AND WEIGHT OF LUMINAIRE

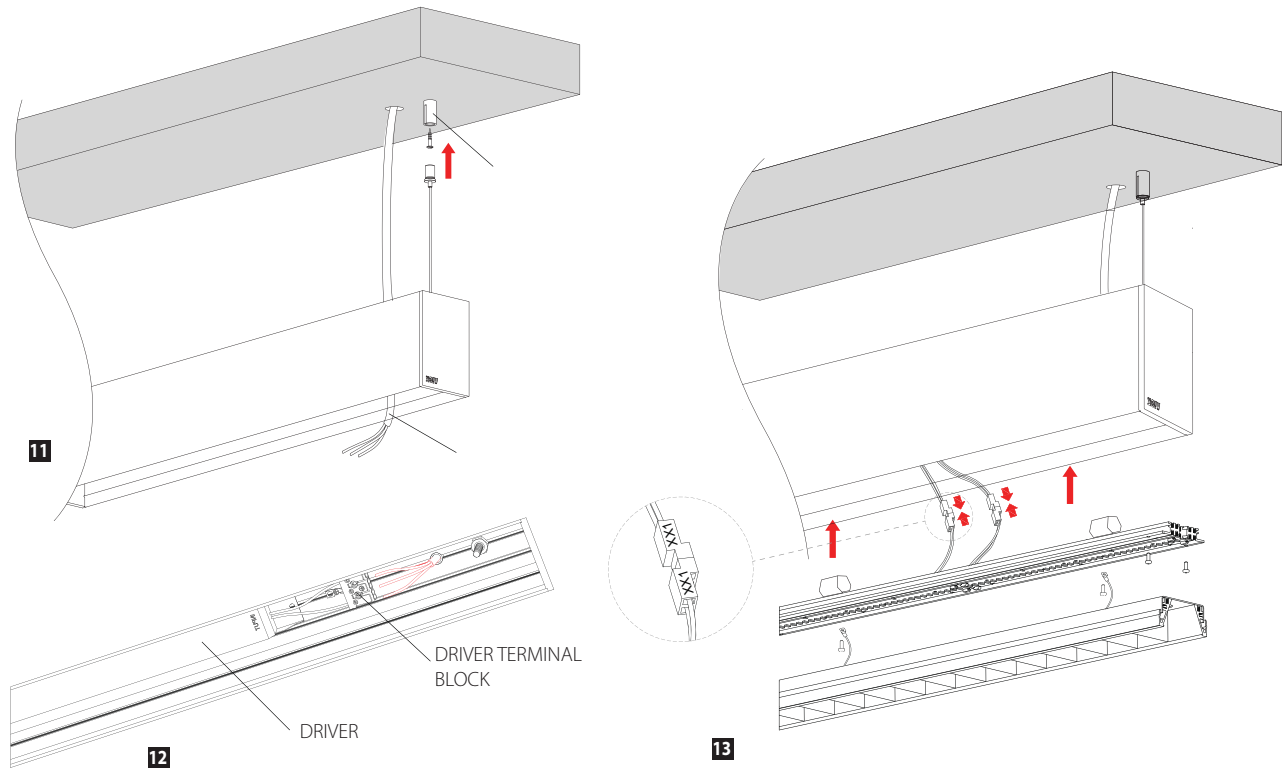


**10**

**10-** Insert Main Electric feed through housing hole equipped with grommet and make sure to have enough slack in the cable to reach the connecting terminal block. Always leave 12" of slack beyond the driver terminal block reach per fig. 10.

**11-** Contractor to make sure supporting surface can bear the weight and load of products to be installed. Contractor to provide proper backing or blocking above ceiling as per fig. 4. Spacing of anchors to follow the holes positioning on the profiles.

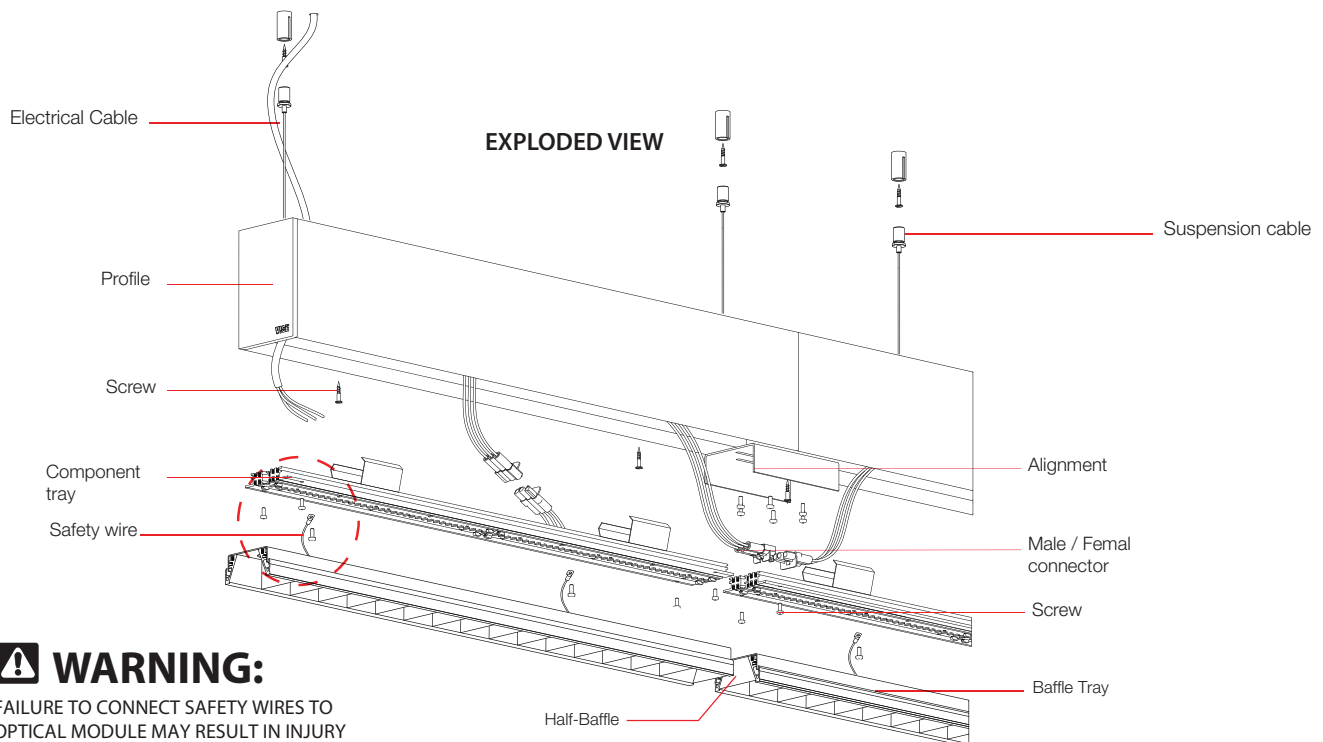




**11-** When Inserting the Electric feed cable in the profile make sure the cable has enough slack to reach the driver connector or the driver terminal block before cutting excess wire.

**12-** connect the main electric feed to the Driver terminal block as per fig. 12 **(Make sure to follow wiring diagram on page 12)**

**13- Make sure to connect the optical module safety wires before finishing step 13** Connect all component tray wires using female / male connectors, fasten component tray screws, and snap in the optical module as per fig. 13

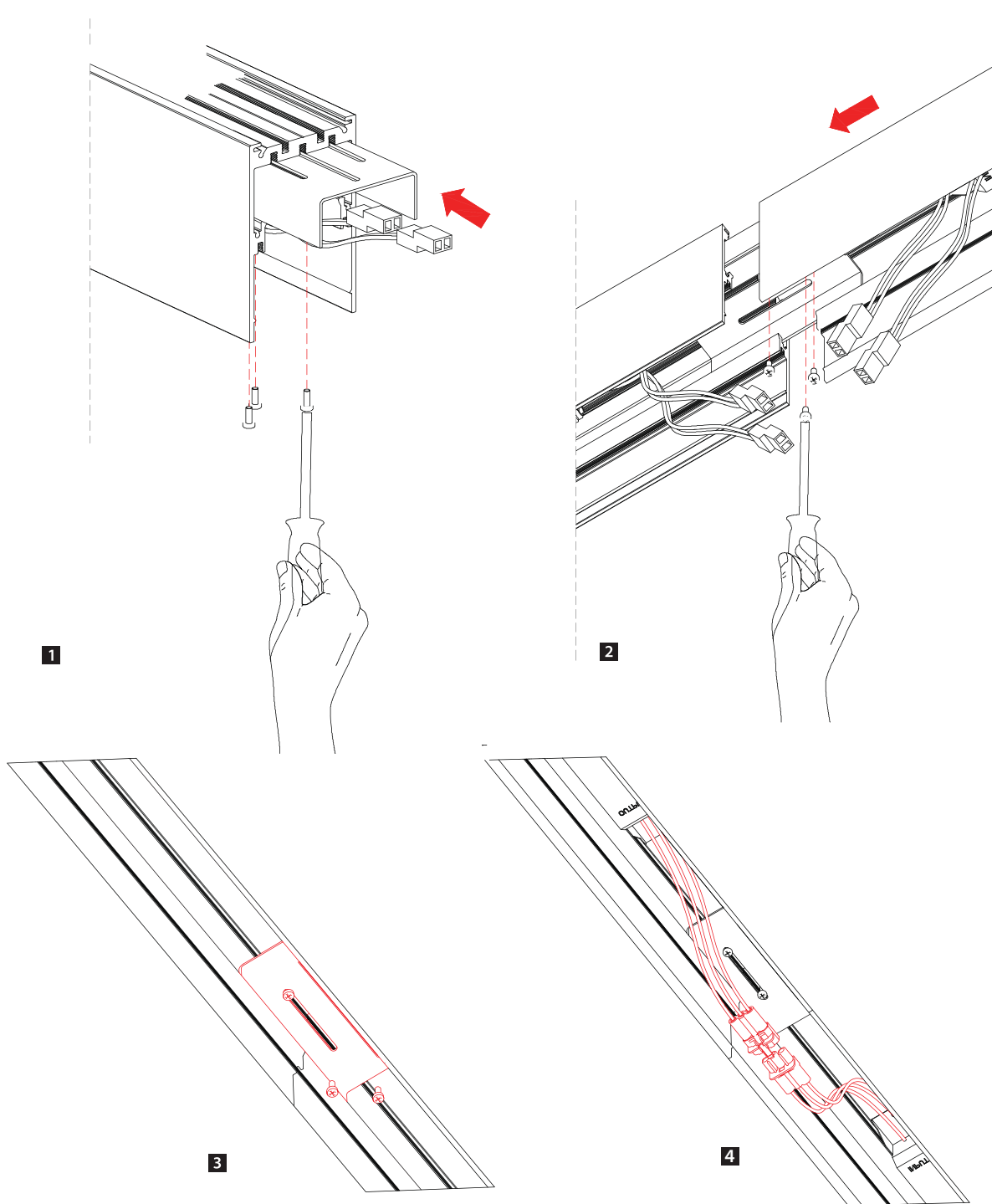


## **WARNING:**

FAILURE TO CONNECT SAFETY WIRES TO OPTICAL MODULE MAY RESULT IN INJURY OR DEATH.

**REFER TO PAGE 10 FOR CONTINUOUS RUNS INSTALLATION INSTRUCTIONS**

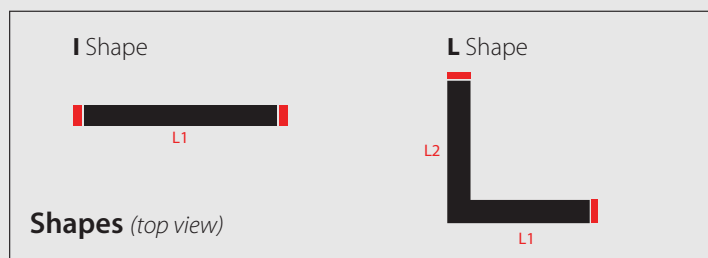
## CONTINUOUS RUNS INSTRUCTIONS



- 1-** For Continuous runs requiring more than one fixture, slide the Alignment Bracket halfway in the First-of-Run housing, as shown in fig.2, and fasten the bracket screws in the housing grooves.
- 2-** Insert the Middle-of-Run housing and join firmly the 2 sections to make sure no gap between consecutive housings remain before fastening the alignment bracket screws in the adjacent housing grooves
- 3-** Make sure all screws are tightly fastened in the alignment bracket before connecting the fixture wire leads and connectors together
- 4-** Make sure that all wire leads are free and that none of the wires got damaged or pinched during the assembly of the alignment bracket. Once all wires are checked, connect the leads using the male / female connectors. make sure connectors are snapped correctly together.

We reserve the right to make technical changes without prior notice.

## TABLE OF DIMENSIONS



### Recessed Trimless

I Shape	L Shape	
L1	L1	L2
13"	14 5/8"	14 5/8"
24 5/8"	26 1/4"	26 1/4"
36 1/4"	37 13/16"	37 13/16"
47 13/16"	49 7/16"	49 7/16"
59 7/16"	61 1/16"	61 1/16"
71 1/16"	72 11/16"	-
82 11/16"	84 5/16"	-
94 5/16"	95 15/16"	-
105 15/16"	107 1/2"	-
117 1/2"	119 1/8"	-
129 1/8"		

### Recessed with Trim

I Shape	L Shape	
L1	L1	L2
12 13/16"	14 5/16"	14 5/16"
24 7/16"	25 15/16"	25 15/16"
36 1/16"	37 1/2"	37 1/2"
47 11/16"	49 1/8"	49 1/8"
59 5/16"	60 3/4"	60 3/4"
70 15/16"	72 3/8"	-
82 1/2"	84"	-
94 1/8"	95 9/16"	-
105 3/4"	107 3/16"	-
117 3/8"	118 13/16"	-
129"		

### Ceiling Mounted

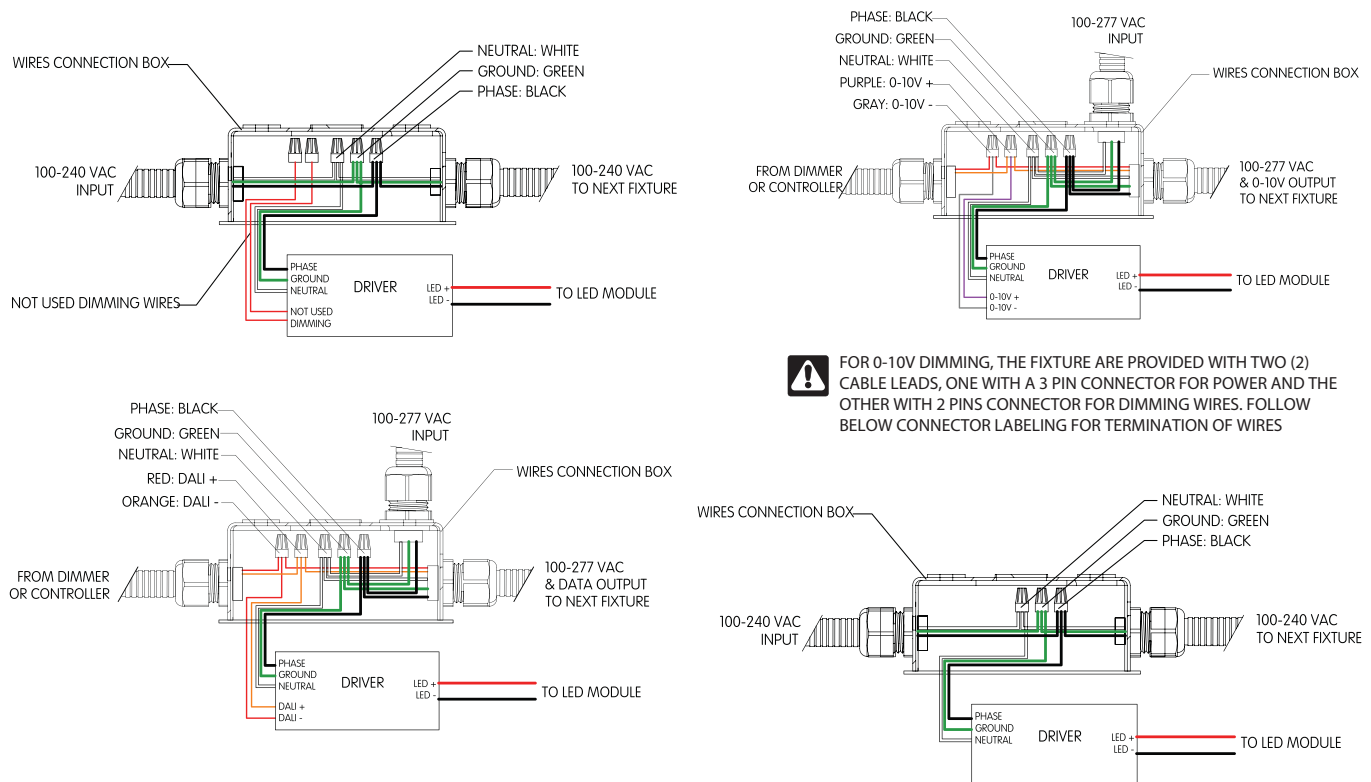
I Shape	L Shape	
L1	L1	L2
12 3/16"	13 5/8"	13 5/8"
23 3/4"	25 1/4"	25 1/4"
35 3/8"	36 7/8"	36 7/8"
47"	48 7/16"	48 7/16"
58 5/8"	60 1/16"	60 1/16"
70 1/4"	71 11/16"	-
81 7/8"	83 5/16"	-
93 7/16"	94 15/16"	-
105 1/16"	106 9/16"	-
116 11/16"	118 1/8"	-
128 5/16"		

We reserve the right to make technical changes without prior notice.

## WIRING DIAGRAMS

WIRING COLOR CODES								
	GROUND	LINE	NEUTRAL	DIMMED LINE	0-10V +	0-10V -	DALI +	DALI -
UL System	GREEN	BLACK	WHITE	ORANGE	RED	GREY	RED	ORANGE
CE System	YELLOW / GREEN	BROWN	BLUE	N/A	RED	BLACK	RED	BLACK

Some of the Non-dimmable drivers used by Bold are 0-10V dimming capable drivers. When such a driver is installed, the controls wires (+0-10V and -0-10V) need to be terminated. Failure to do so, will cause the driver and LED module to malfunction and even fail.



### MALE / FEMALE CONNECTOR:

When fixtures are ordered for continuous runs, (Daisy Chained), fixtures will be provided with MALE / FEMALE Connectors. Connectors are factory installed on Input and Output cables leads.

**FAILURE TO FOLLOW THE WIRING COLOR CODING AND CONNECTORS PIN LABELING WILL VOID THE FIXTURES WARRANTY**

### Wiring Instructions for continuous runs (Daisy Chained Fixtures)

Electrical information												
System	Voltage	Max daisy chain length (A minimum of 18 AWG or 0.75 <sup>2</sup> mm is required)										
		L1	L2	L3	L4	L5	P1	P2	P3	M1	M2	M3
UL	120VAC - 60 Hz	135 ft	100 ft	70 ft	50 ft	36 ft	70 ft	50 ft	36 ft	54 ft	38 ft	27 ft
CE	220VAC - 50/60 Hz	62 m	45 m	33 m	23 m	17 m	33 m	23 m	17 m	25 m	18 m	13 m