

**MAGNA**  
**SLIM-TRAC**  
MAGNETIC LIGHTING SYSTEM

# INSTALLATION INSTRUCTIONS

For Mounting utilizing  
**SURFACE MOUNT KITS**  
for both Single and Multiple tracks.





# SURFACE/PENDANT/RECESSED TRACK INSTALLATION INSTRUCTIONS

## —SINGLE TRACK ONLY

### FOR MOUNTING USING MSA16 SURFACE MOUNT KITS

#### CAUTION:

- BEFORE INSTALLING THE LIGHT FIXTURES, PLEASE READ THE INSTALLATION INSTRUCTION CAREFULLY.
- DISCONNECT POWER AT CIRCUIT BREAKER BEFORE INSTALLATION OR SERVICING.
- DO NOT INSTALL THE TRACK IN DAMP OR WET LOCATIONS.
- THIS TRACK IS IP20, INDOOR USE ONLY.
- ALL ELECTRICAL CONNECTIONS SHOULD BE DONE BY A QUALIFIED ELECTRICIAN.

#### AVERTISSEMENT:

- LIRE LES DIRECTIVES POUR L'INSTALLATION ATTENTIVEMENT AVANT D'INSTALLER LES LUMINAIRES.
- DÉBRANCHER L'ALIMENTATION AU DISJONCTEUR AVANT L'INSTALLATION, UN ENTRETIEN OU UNE RÉPARATION.
- NE PAS INSTALLER LE RAIL DANS UN LIEU HUMIDE.
- CE RAIL A UN INDICE DE PROTECTION IP20 – IL EST RÉSERVÉ À UN USAGE À L'INTÉRIEUR.
- LES RACCORDEMENTS ÉLECTRIQUES DOIVENT ÊTRE EFFECTUÉS PAR UN ÉLECTRICIEN QUALIFIÉ. ÉLECTRICIEN QUALIFIÉ.

#### NOTE:

- TRACK SECTIONS SHOULD BE JOINED TOGETHER ON THE FLOOR BEFORE INSTALLING INTO THE CEILING.
- WHEN INSTALLING LONGER TRACK RUNS UTILIZING MULTIPLE 96 WATT SECTIONS, YOU MUST ENSURE THE ELECTRICAL CONNECTION BETWEEN EACH SECTION IS TERMINATED. A NEW CONNECTION FROM THE DRIVER SHOULD BE MADE AT THE START OF EACH ADDITIONAL 96 WATT SECTION WITHOUT THE USE OF MSA22 4-PIN CONNECTORS OR RECESSED CABLE CONNECTORS.

#### REMARQUE:

- LES PARTIES DU RAIL DOIVENT ÊTRE FIXÉES ENSEMBLE SUR LE PLANCHER AVANT L'INSTALLATION AU PLAFOND.
- LORS DE L'INSTALLATION DE RAILS PLUS LONGS EN UTILISANT PLUSIEURS SECTIONS DE 96 W, VOUS DEVEZ VOUS ASSURER QUE LA CONNEXION ÉLECTRIQUE ENTRE CHAQUE SECTION EST EFFECTUÉE. UNE NOUVELLE CONNEXION À PARTIR DU PILOTE DOIT ÊTRE ÉTABLIE AU DÉBUT DE CHAQUE SECTION DE 96 W SUPPLÉMENTAIRE, ET CE, SANS L'UTILISATION DE CONNECTEURS MSA22 À QUATRE BROCHES OU DE CONNECTEURS DE CÂBLE ENCASTRÉS.

#### ACCESSORIES REQUIRED:

KENDAL MODEL MSA16

WHICH INCLUDES: 4 × NEW SURFACE KITS 

4 × SCREWS 

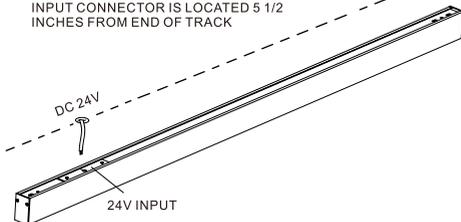
4 × WALL PLUGS 

4 × WASHER 

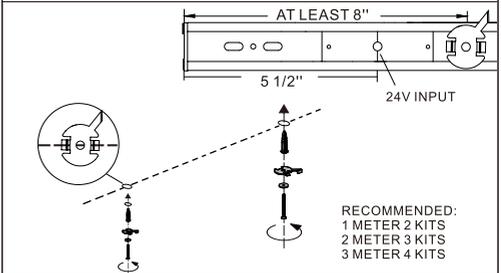
#### INSTALLATION

##### STEP 1 MARK CENTER LINE WHERE TRACK IS TO BE INSTALLED

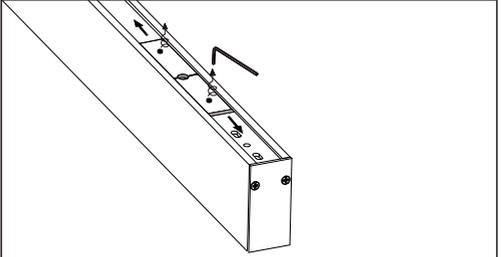
NOTE: 24-VOLT POWER COMING FROM CEILING MUST ALIGN WITH THE 24-VOLT INPUT CONNECTOR ON THE TRACK. INPUT CONNECTOR IS LOCATED 5 1/2 INCHES FROM END OF TRACK



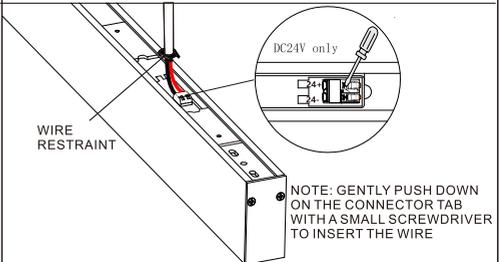
**STEP 2** INSTALL SURFACE MOUNT KITS ALONG CENTER LINE BUT DO NOT OVER TIGHTEN. DO NOT INSTALL SURFACE MOUNT KITS WITHIN 8" OF THE ENDS OF THE TRACK AS THIS MAY INTERFERE WITH THE POWER ACCESS AREA AND WHERE TRACK JOINERS MAY BE USED.



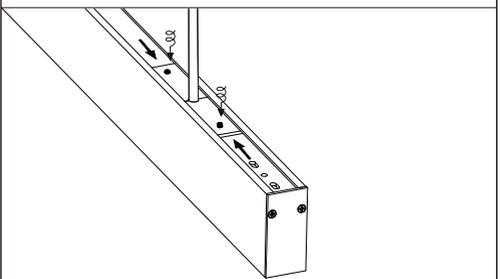
**STEP 3** USING PROVIDED ALLEN WRENCH, LOOSEN SET SCREWS ON DESIRED POWER LOCATION ACCESS COVERS (LOCATED AT CENTER AND ONE END OF TRACK). SLIDE THE COVERS OPEN TO ACCESS THE 24VOLT INPUT POWER CONNECTION.



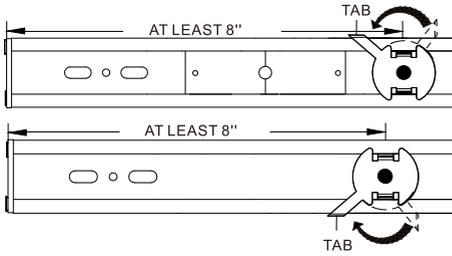
**STEP 4** CONNECT 24 VOLT POWER FROM THE DRIVER TO THE 24 VOLT ON THE TRACK, RED WIRE TO POSITIVE AND BLACK WIRE TO NEGATIVE. ATTACH THE WIRE RESTRAINT TO THE POWER CORD.



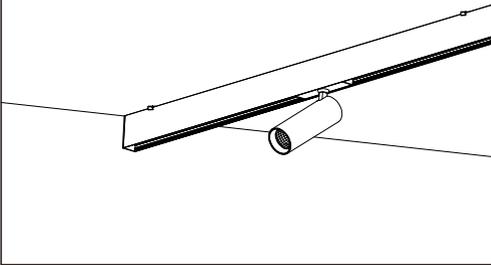
**STEP 5** SLIDE COVERS BACK OVER ACCESS HOLE AND TIGHTEN SET SCREWS



**STEP 6** SECURE TRACK TO CEILING BY TURNING THE SURFACE MOUNT KITS LOCKING TRACK IN PLACE (KITS CAN BE USED SO THE TABS CAN BE ON EITHER SIDE OF THE TRACK EXAMPLE ALL ONE SIDE OR ALTERNATING FROM ONE SIDE TO THE OTHER)



**STEP 7** INSTALL THE ELEMENTS



# SURFACE/PENDANT/RECESSED TRACK INSTALLATION INSTRUCTIONS

## —IF USING MORE THAN ONE TRACK

### FOR MOUNTING USING MSA16 SURFACE MOUNT KITS

#### ACCESSORIES REQUIRED:

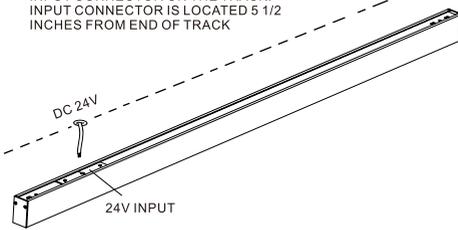
KENDAL MODEL MSA02 TRACK CONNECTOR 

KENDAL MODEL MSA16 SURFACE MOUNT KITS  - AS NEEDED

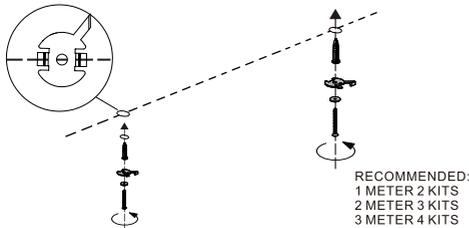
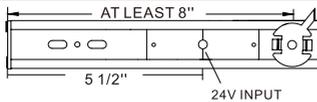
#### INSTALLATION

##### STEP 1 MARK CENTER LINE WHERE TRACK IS TO BE INSTALLED

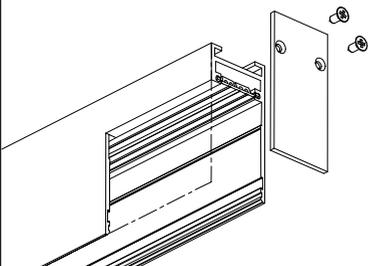
NOTE: 24-VOLT POWER COMING FROM CEILING MUST ALIGN WITH THE 24-VOLT INPUT CONNECTOR ON THE TRACK. INPUT CONNECTOR IS LOCATED 5 1/2 INCHES FROM END OF TRACK



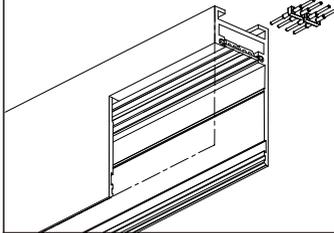
**STEP 2 INSTALL SURFACE MOUNT KITS ALONG CENTER LINE BUT DO NOT OVER TIGHTEN. DO NOT INSTALL SURFACE MOUNT KITS WITHIN 8" OF THE ENDS OF THE TRACK AS THIS MAY INTERFERE WITH THE POWER ACCESS AREA AND WHERE TRACK JOINERS MAY BE USED.**



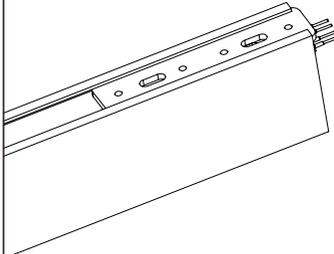
##### STEP 3 REMOVE END CAPS WHERE TRACK IS BEING JOINED



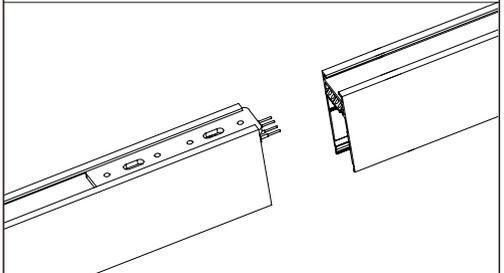
##### STEP 4 INSERT THE PINS INTO THE PIN CONNECTOR HOLES IN THE TRACK



**STEP 5 INSTALL A TRACK CONNECTOR MSA02 TO THE END OF THE TRACK BY INSERTING INTO THE SLOT ON THE BACK OF THE TRACK. SLIDE THE CONNECTOR IN ALL THE WAY SO THE PINS ARE VISIBLE WHEN JOINING THE TRACKS TOGETHER.**

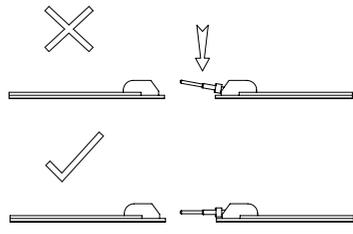


**STEP 6 WHILE CAREFULLY LINING UP THE PIN CONNECTORS WITH PIN CONNECTOR HOLES ON THE OTHER TRACK JOIN THE TRACKS TOGETHER.**

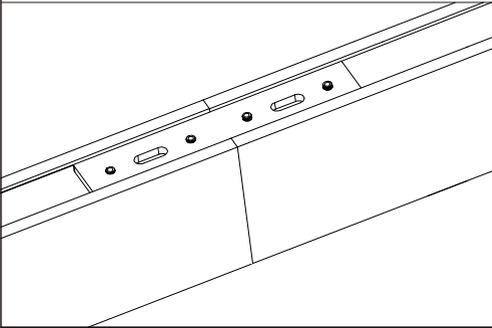


#### ATTENTION:

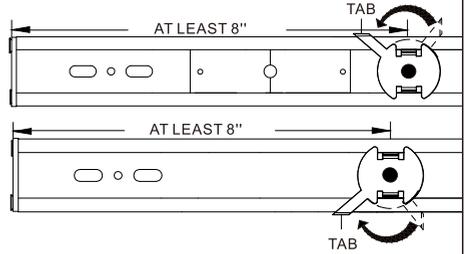
WHEN JOINING TRACKS OR ACCESSORIES UTILIZING PIN CONNECTORS, MAKE SURE PINS ARE HORIZONTAL AND LINE UP WITH PIN CONNECTOR HOLES. YOU MAY NEED TO GENTLY PUSH UP OR DOWN ON THE PINS SO THEY LINE UP CORRECTLY. FAILING TO DO THIS MAY RESULT IN PINS MISSING THE PIN CONNECTOR HOLES AND LOSS OF THE 24 VOLT CONNECTION.



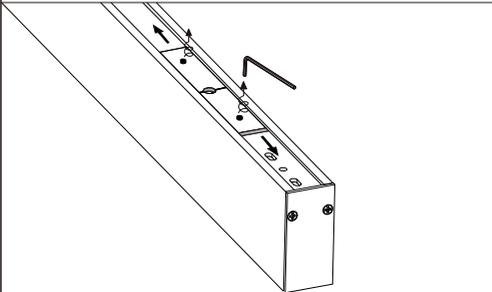
**STEP 7** SLIDE THE MSA02 TRACK CONNECTOR BACK SO IT IS HALF WAY ONTO EACH TRACK AND TIGHTEN SET SCREWS



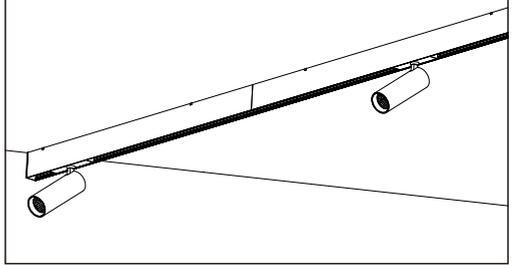
**STEP 11** SECURE TRACK TO CEILING BY TURNING THE SURFACE MOUNT KITS LOCKING TRACK IN PLACE (KITS CAN BE USED SO THE TABS CAN BE ON EITHER SIDE OF THE TRACK EXAMPLE ALL ONE SIDE OR ALTERNATING FROM ONE SIDE TO THE OTHER)



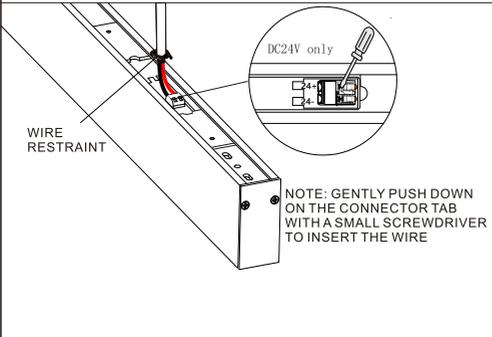
**STEP 8** USING PROVIDED ALLEN WRENCH, LOOSEN SET SCREWS ON DESIRED POWER LOCATION ACCESS COVERS (LOCATED AT CENTER AND ONE END OF TRACK). SLIDE THE COVERS OPEN TO ACCESS THE 24VOLT INPUT POWER CONNECTION.



**STEP 12** INSTALL THE ELEMENTS



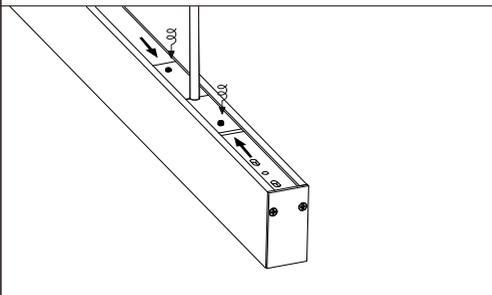
**STEP 9** CONNECT 24 VOLT POWER FROM THE DRIVER TO THE 24 VOLT ON THE TRACK, RED WIRE TO POSITIVE AND BLACK WIRE TO NEGATIVE. ATTACH THE WIRE RESTRAINT TO THE POWER CORD.



**NOTE:**

AFTER EACH TRACK CONNECTION A CONTINUITY TEST SHOULD BE DONE TO ENSURE PROPER ELECTRICAL CONNECTIONS WERE MADE.

**STEP 10** SLIDE COVERS BACK OVER ACCESS HOLE AND TIGHTEN SET SCREWS



**MAGNA**  
**SLIM-TRAC**  
MAGNETIC LIGHTING SYSTEM

**INSTALLATION INSTRUCTIONS**

For mounting to ceiling utilizing  
**CABLE SUPPORTS**  
for both Single and Multiple tracks.



# SURFACE/PENDANT/RECESSED TRACK INSTALLATION INSTRUCTIONS

## —SINGLE TRACK ONLY FOR CABLE SUPPORT MOUNTING

### CAUTION:

1. BEFORE INSTALLING THE LIGHT FIXTURES, PLEASE READ THE INSTALLATION INSTRUCTIONS CAREFULLY.
2. DISCONNECT POWER AT CIRCUIT BREAKER BEFORE INSTALLATION OR SERVICING.
3. DO NOT INSTALL THE TRACK IN DAMP OR WET LOCATIONS.
4. THIS TRACK IS IP20, INDOOR USE ONLY.
5. ALL ELECTRICAL CONNECTIONS SHOULD BE DONE BY A QUALIFIED ELECTRICIAN.

### AVERTIR:

1. AVANT D'INSTALLER LES LUMINAIRES, VEUILLEZ LIRE ATTENTIVEMENT LES INSTRUCTIONS D'INSTALLATION.
2. DÉBRANCHEZ L'ALIMENTATION AU DISJONCTEUR AVANT L'INSTALLATION OU ENTRETIEN.
3. NE PAS INSTALLER LA CHENILLE DANS DES ENDROIT HUMIDE OU MOUILLÉ.
4. CETTE PISTE EST IP20, UTILISATION EN INTÉRIEUR UNIQUEMENT.
5. TOUS LES RACCORDEMENTS ÉLECTRIQUES DOIVENT ÊTRE EFFECTUÉS PAR UN ÉLECTRICIEN QUALIFIÉ.

### NOTE:

1. TRACK SECTIONS SHOULD BE JOINED TOGETHER ON THE FLOOR BEFORE INSTALLING INTO THE CEILING.
2. WHEN INSTALLING LONGER TRACK RUNS UTILIZING MULTIPLE 96 WATT SECTIONS, YOU MUST ENSURE THE ELECTRICAL CONNECTION BETWEEN EACH SECTION IS TERMINATED. A NEW CONNECTION FROM THE DRIVER SHOULD BE MADE AT THE START OF EACH ADDITIONAL 96 WATT SECTION WITHOUT THE USE OF MSA22 4-PIN CONNECTORS OR RECESSED CABLE CONNECTORS.

### REMARQUE:

1. LES PARTIES DU RAIL DOIVENT ÊTRE FIXÉES ENSEMBLE SUR LE PLANCHER AVANT L'INSTALLATION AU PLAFOND.
2. LORS DE L'INSTALLATION DE RAILS PLUS LONGS EN UTILISANT PLUSIEURS SECTIONS DE 96 W, VOUS DEVEZ VOUS ASSURER QUE LA CONNEXION ÉLECTRIQUE ENTRE CHAQUE SECTION EST EFFECTUÉE. UNE NOUVELLE CONNEXION À PARTIR DU PILOTE DOIT ÊTRE ÉTABLIE AU DÉBUT DE CHAQUE SECTION DE 96 W SUPPLÉMENTAIRE, ET CE, SANS L'UTILISATION DE CONNECTEURS MSA22 À QUATRE BROCHES OU DE CONNECTEURS DE CÂBLE ENCASTRÉS.

### ACCESSORIES REQUIRED:

KENDAL MODEL MSA18

WHICH INCLUDES: 1 × PENDANT POWER+SUPPORT CABLE

1 × CROSS BAR  2 × SCREWS 

KENDAL MODEL MSA19

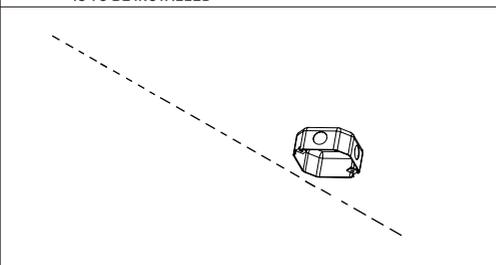
WHICH INCLUDES: 1 × SUSPENSION CABLE

1 × SCREW  1 × WALL PLUG 

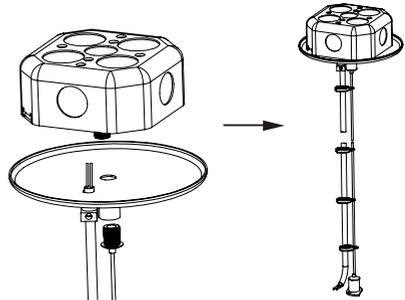
RECOMMENDED CABLE SUPPORTS: 1 METER 1 PC  
2 METER 1-2 PCS  
3 METER 2-3PCS

### INSTALLATION

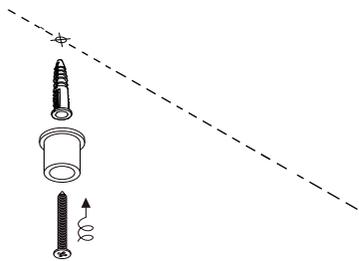
#### STEP 1 DETERMINE LOCATION ON CEILING ABOVE WHERE TRACK IS TO BE INSTALLED



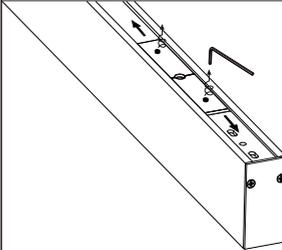
#### STEP 2 ADJUST POWER CABLE LENGTH AND ATTACH MSA18 POWER SUPPLY/SUPPORT TO JUNCTION BOX



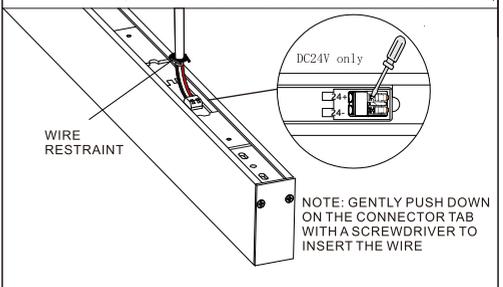
#### STEP 3 DETERMINE POSITION AND INSTALL CABLE SUPPORTS (MSA19) TO CEILING



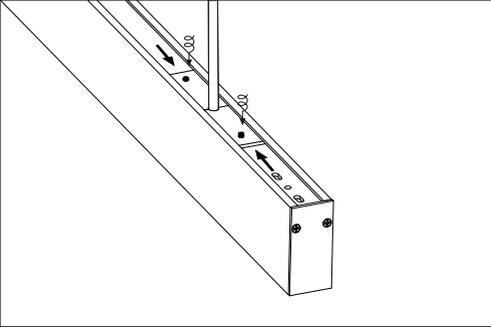
#### STEP 4 USING PROVIDED ALLEN WRENCH, LOOSEN SET SCREWS ON DESIRED POWER LOCATION ACCESS COVERS (LOCATED AT CENTER AND ONE END OF TRACK). SLIDE THE COVERS OPEN TO ACCESS THE 24VOLT INPUT POWER CONNECTION.



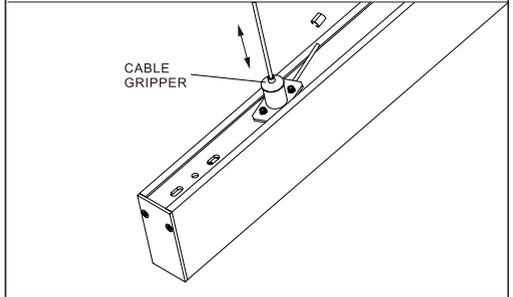
#### STEP 5 CONNECT 24 VOLT POWER FROM THE DRIVER TO THE 24 VOLT INPUT ON THE TRACK. RED WIRE TO POSITIVE AND BLACK WIRE TO NEGATIVE. ATTACH THE WIRE RESTRAINT TO THE POWER CORD. (NOTE—IF USING A LIVE END FEED INPUT CONNECTOR INSTEAD OF POWERING DIRECTLY TO TRACK, SEE LIVE END FEED INSTRUCTIONS FOR POWERING)



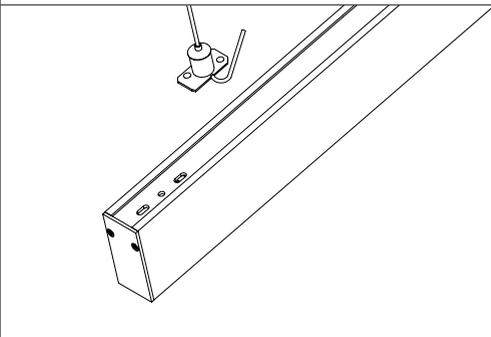
**STEP 6** SLIDE COVERS BACK OVER ACCESS HOLE AND TIGHTEN SET SCREWS



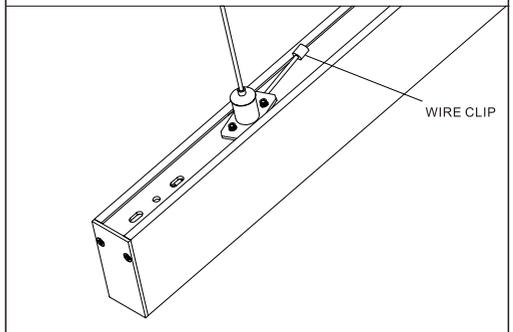
**STEP 10** ADJUST SUSPENSION CABLE TO DESIRED HEIGHT BY PUSHING DOWN ON CABLE GRIPPER AND PULLING THE EXCESS CABLE. ONCE HEIGHT IS FINAL, CUT OFF EXCESS CABLE.



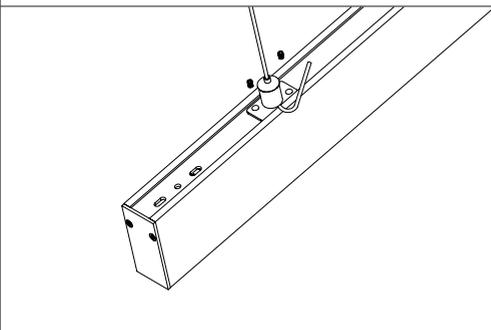
**STEP 7** INSTALL SUSPENSION CABLES TO TRACK, SEE STEP 8 AND 9



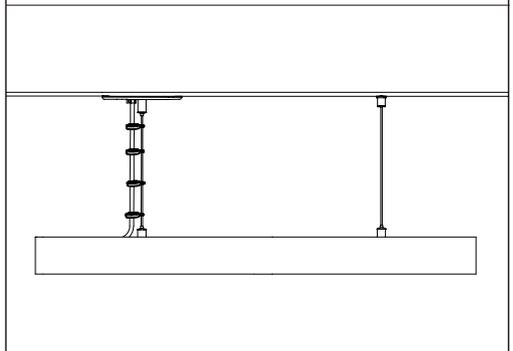
**STEP 11** INSTALL THE WIRE CLIP



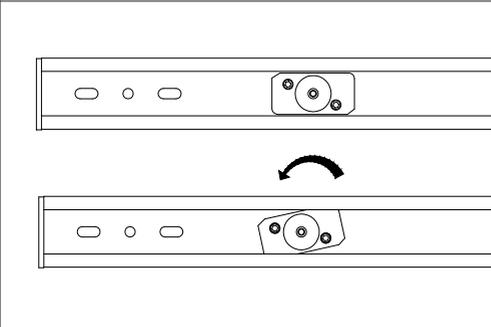
**STEP 8** INSERT SET SCREWS BUT DO NOT TIGHTEN



**STEP 12** FINISH INSTALLATION OF THE TRACK



**STEP 9** TURN CABLE CONNECTOR COUNTER-CLOCKWISE SO THE CORNERS OF THE CONNECTOR FIT UNDER THE TOP EDGES OF THE TRACK AND TIGHTEN SET SCREWS





# SURFACE/PENDANT/RECESSED TRACK INSTALLATION INSTRUCTIONS

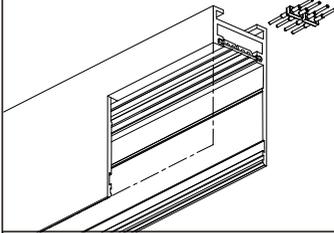
## —IF USING MORE THAN ONE TRACK

### FOR CABLE SUPPORT MOUNTING

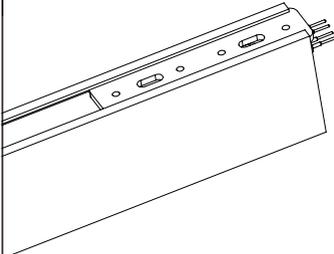
#### ACCESSORIES REQUIRED:

KENDAL MODEL MSA02 TRACK CONNECTOR 

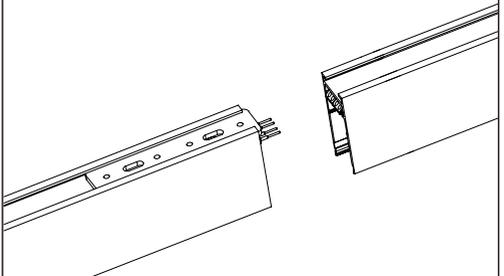
#### STEP 5 INSERT THE PINS INTO THE PIN CONNECTOR HOLES IN THE TRACK



#### STEP 6 INSTALL A TRACK CONNECTOR MSA02 TO THE END OF THE TRACK BY INSERTING INTO THE SLOT ON THE BACK OF THE TRACK. SLIDE THE CONNECTOR IN ALL THE WAY SO THE PINS ARE VISIBLE WHEN JOINING THE TRACKS TOGETHER.

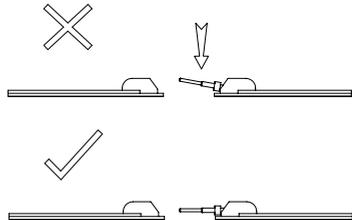


#### STEP 7 WHILE CAREFULLY LINING UP THE PIN CONNECTORS WITH PIN CONNECTOR HOLES ON THE OTHER TRACK JOIN THE TRACKS TOGETHER.



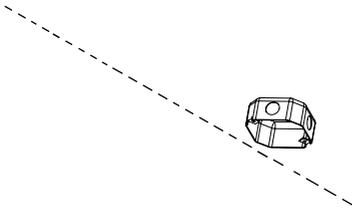
#### ATTENTION:

WHEN JOINING TRACKS OR ACCESSORIES UTILIZING PIN CONNECTORS, MAKE SURE PINS ARE HORIZONTAL AND LINE UP WITH PIN CONNECTOR HOLES. YOU MAY NEED TO GENTLY PUSH UP OR DOWN ON THE PINS SO THEY LINE UP CORRECTLY. FAILING TO DO THIS MAY RESULT IN PINS MISSING THE PIN CONNECTOR HOLES AND LOSS OF THE 24 VOLT CONNECTION.

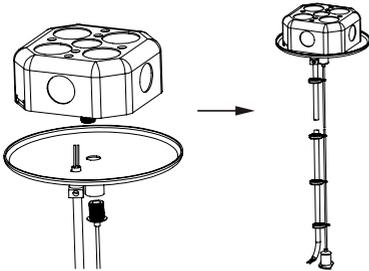


#### INSTALLATION

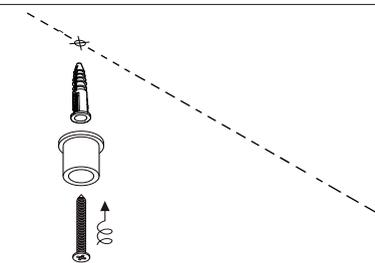
#### STEP 1 DETERMINE LOCATION ON CEILING ABOVE WHERE TRACK IS TO BE INSTALLED



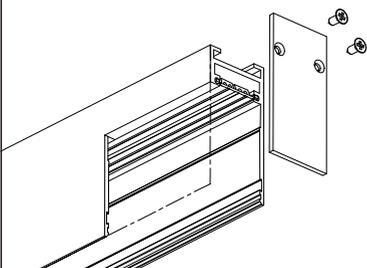
#### STEP 2 ADJUST POWER CABLE LENGTH AND ATTACH MSA18 POWER SUPPLY/SUPPORT TO JUNCTION BOX



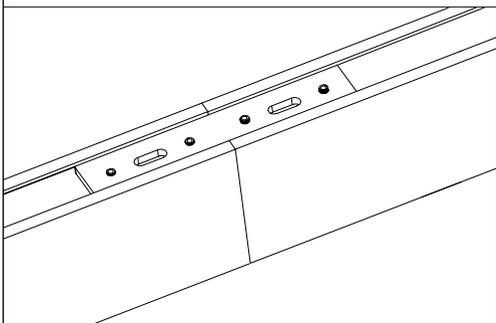
#### STEP 3 DETERMINE POSITION AND INSTALL CABLE SUPPORTS (MSA19) TO CEILING



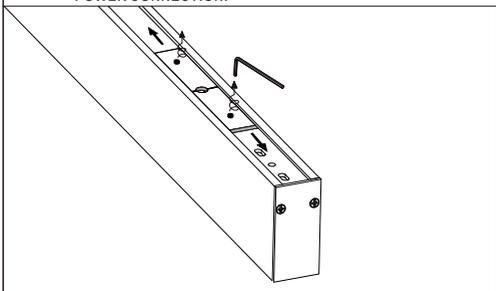
#### STEP 4 REMOVE END CAPS WHERE TRACK IS BEING JOINED



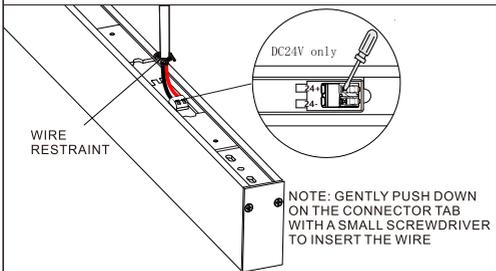
**STEP 8** SLIDE THE MSA02 TRACK CONNECTOR BACK SO IT IS HALF WAY ON TO EACH TRACK AND TIGHTEN SET SCREWS



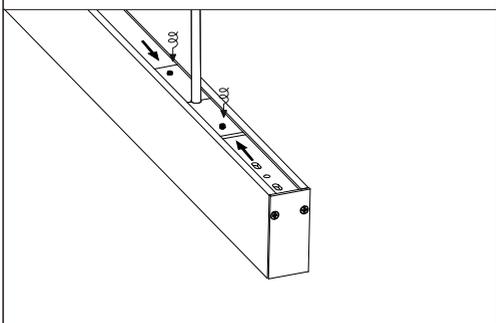
**STEP 9** USING PROVIDED ALLEN WRENCH, LOOSEN SET SCREWS ON DESIRED POWER LOCATION ACCESS COVERS ( LOCATED AT CENTER AND ONE END OF TRACK). SLIDE THE COVERS OPEN TO ACCESS THE 24VOLT INPUT POWER CONNECTION.



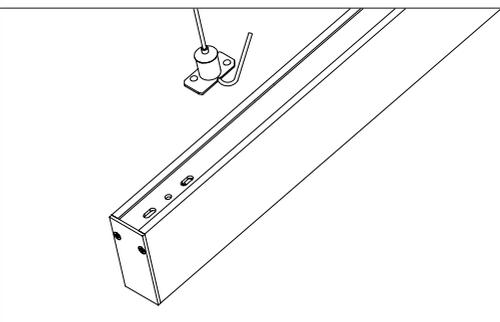
**STEP 10** CONNECT 24 VOLT POWER FROM THE DRIVER TO THE 24 VOLT ON THE TRACK, RED WIRE TO POSITIVE AND BLACK WIRE TO NEGATIVE. ATTACH THE WIRE RESTRAINT TO THE POWER CORD.



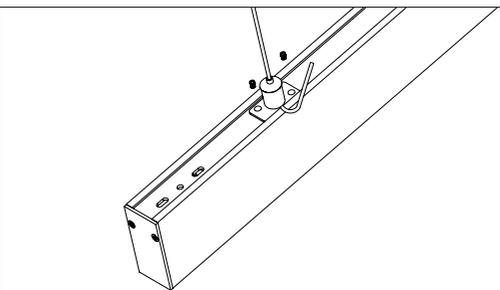
**STEP 11** SLIDE COVERS BACK OVER ACCESS HOLE AND TIGHTEN SET SCREWS



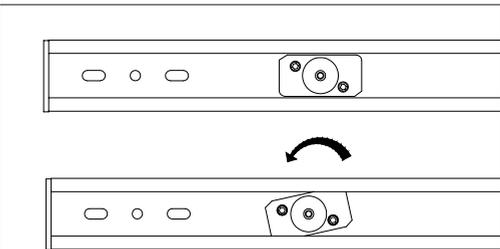
**STEP 12** INSTALL SUSPENSION CABLES TO TRACK, SEE STEP 8 AND 9



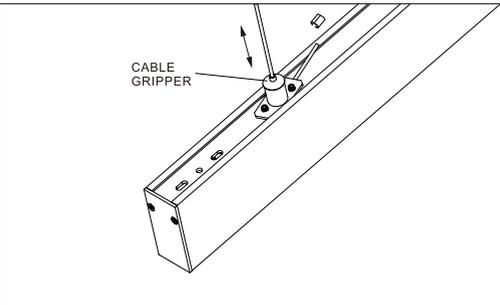
**STEP 13** INSERT SET SCREWS, BUT DO NOT TIGHTEN



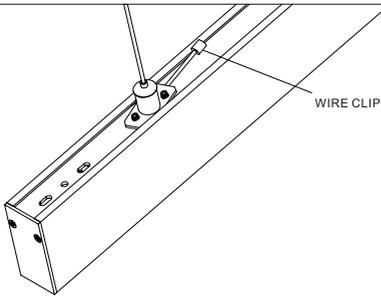
**STEP 14** TURN CABLE CONNECTOR COUNTER-CLOCKWISE SO THE CORNERS OF THE CONNECTOR FIT UNDER THE TOP EDGES OF THE TRACK AND TIGHTEN SET SCREWS



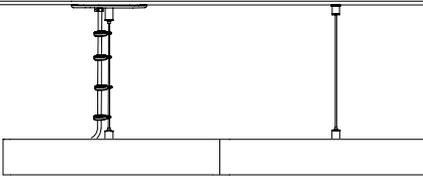
**STEP 15** ADJUST SUSPENSION CABLE TO DESIRED HEIGHT BY PUSHING DOWN ON CABLE GRIPPER AND PULLING THE EXCESS CABLE. ONCE HEIGHT IS FINAL, CUT OFF EXCESS CABLE.



**STEP 16** INSTALL THE WIRE CLIP



**STEP 17** FINISH INSTALLATION OF THE TRACK



**NOTE:**

AFTER EACH TRACK CONNECTION A CONTINUITY TEST SHOULD BE DONE TO ENSURE PROPER ELECTRICAL CONNECTIONS WERE MADE.