

IMPORTANT SAFEGUARDS

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards please read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Installation and service of luminaires should be performed by a qualified licensed electrician.
- Maintenance of the luminaires should be performed by person(s) familiar with the luminaires' construction and operation and any hazards involved. Regular fixture maintenance programs are recommended.
- Do not use outdoors.
- Do not mount near gas or electric heaters.
- Equipment should be mounted in locations and at heights where it will not be subjected to tampering by unauthorized personnel.
- The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
- Do not use this equipment for other than its intended use.
- It will occasionally be necessary to clean the outside of the refractor/lens. Frequency of cleaning will depend on ambient dirt level and minimum light output which is acceptable to user. Refractor/lens should be washed in a solution of warm water and any mild, non-abrasive household detergent, rinsed with clean water and wiped dry. Should optical assembly become dirty on the inside, wipe refractor/lens and clean in above manner, replacing damaged gaskets as necessary.
- **DO NOT INSTALL DAMAGED PRODUCT!** This luminaire has been properly packed so that no parts should have been damaged during transit. Inspect to confirm. Any part damaged or broken during or after assembly should be replaced.
- **Recycle:** For information on how to recycle LED electronic products, please visit www.epa.gov.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired, or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, this matter should be referred to Acuity Brands Lighting, Inc.

 WARNING RISK OF ELECTRIC SHOCK ✓ Disconnect or turn off power before installation or servicing. ✓ Verify that supply voltage is correct by comparing it with the equipment label information. ✓ Make all electrical and grounded connections in accordance with the National Electrical Code (NEC) and any applicable local code requirements. ✓ All wiring connections should be capped with UL approved recognized wire connectors.	 WARNING RISK OF BURN ✓ Allow lamp/fixture to cool before handling. Do not touch hot lens, lamp, guard, or enclosure. ✓ Do not exceed maximum wattage marked on luminaire label. ✓ Follow all lamp manufacturer's warnings, recommendations and restrictions on lamp operation including but not limited to: ballast type, burning position, replacement, and recycling.
 CAUTION RISK OF INJURY ✓ Wear gloves and safety glasses at all times when removing equipment from carton, installing, servicing or performing maintenance. ✓ Avoid direct eye exposure to the light source while it is on.	 CAUTION RISK OF FIRE ✓ Keep combustible and other materials that can burn away from lamp/lens. ✓ Do not operate in close proximity to persons, combustible materials or substances affected by heat or drying.

**CAUTION
RISK OF PRODUCT DAMAGE**

- ✓ Modulus luminaires should only receive low voltage DC power provided from an adequately-rated Modulus head unit. **DO NOT CONNECT LINE VOLTAGE TO MODULUS LUMINAIRES.**
- ✓ Never connect components under load.
- ✓ Do not mount or support these fixtures in a manner that can cut the outer jacket or damage wire insulation.
- ✓ Unless individual product specifications deem otherwise: Never connect an LED product directly to a dimmer packs, occupancy sensors, timing devices, or other related control devices. LED fixtures must be powered directly off a switched circuit.
- ✓ Unless individual product specifications deem otherwise: Do not restrict fixture ventilation. Allow for some volume of airspace around fixture. Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- ✓ Unless individual product specifications deem otherwise: Do not exceed fixtures maximum ambient temperature.
- ✓ Only use fixture in its intended location.
- ✓ LED products are Polarity Sensitive. Ensure proper Polarity before installation.
- ✓ Electrostatic Discharge (ESD): ESD can damage LED fixtures. Personal grounding equipment must be worn during all installation or servicing of the unit.
- ✓ Do not touch individual electrical components as this can cause ESD, shorten lamp life, or alter performance.
- ✓ Some components inside the fixture may not be serviceable. In the unlikely event your unit may require service, stop using the unit immediately and contact an ABL representative for assistance.
- ✓ Always read the fixtures complete installation instructions prior to installation for any additional fixture specific warnings.

Please see product specific installation instructions for additional warnings or any applicable FCC or other regulatory statements.

Failure to follow any of these instructions could void product warranties. For a complete listing of product Terms and Conditions, please visit www.acuitybrands.com.

Acuity Brands Lighting, Inc. assumes no responsibility for claims arising out of improper or careless installation or handling of its products.

ABL LED General Warnings, Form No. 503.203

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**SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER
AFTER INSTALLATION**

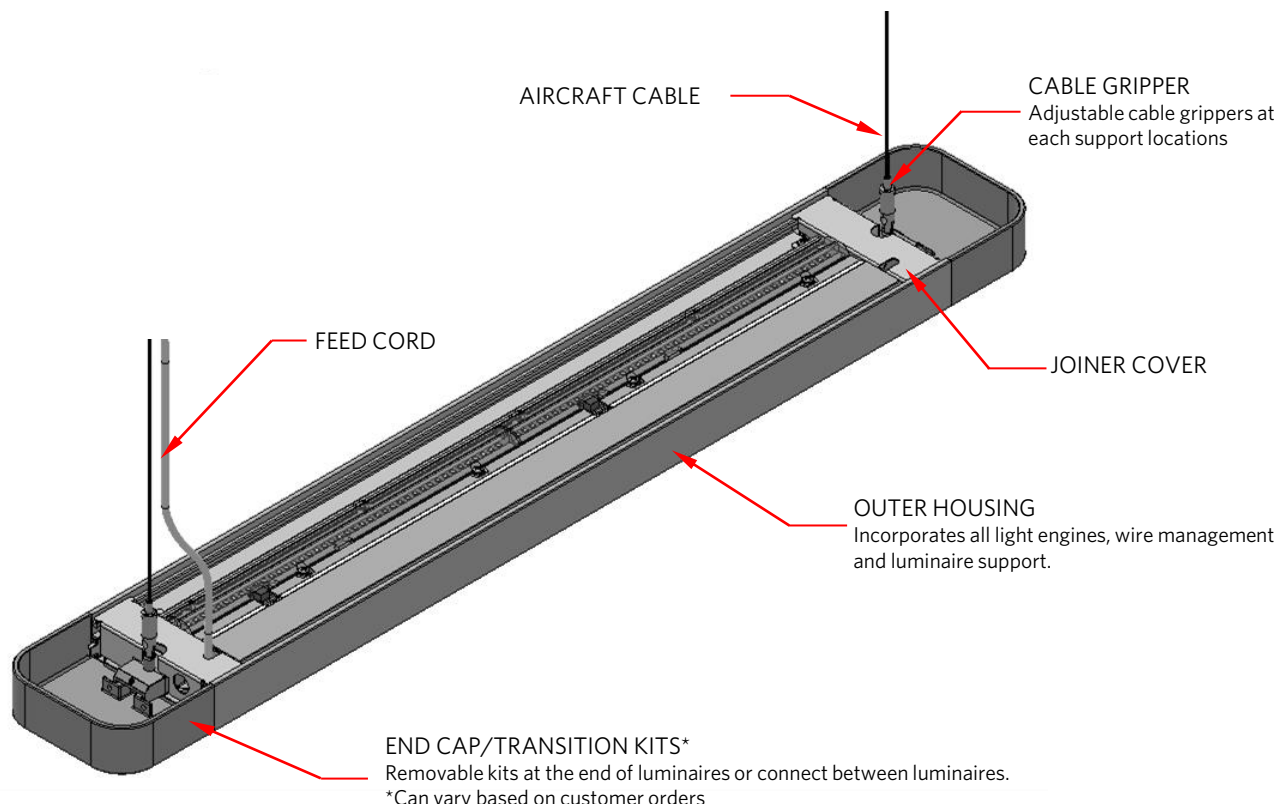
These installation instructions are used for installing the following luminaires and kits:

Luminaire	Mounting Kit	Endcap Kit	Head Unit
RNNAID/RNNAD/RNNAI	ACG8FK/ACG8SK	RNNAEP	-

WARNING: Please read the “important safety instructions” prior to installation of this product. The mounting instructions can be found inside the mounting kits or downloaded from <https://peerlesslighting.acuitybrands.com/Renna>

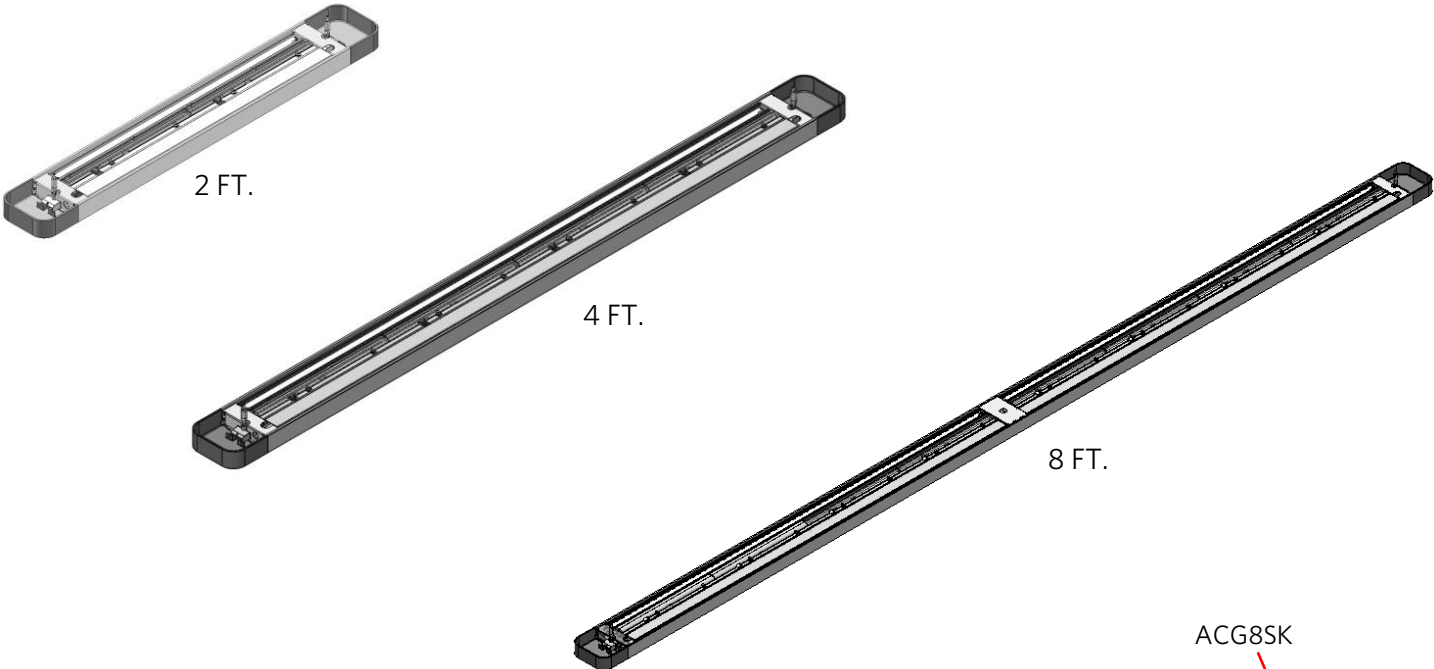
A. Identification of Renna Luminaire.....	Page 3
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C. Support Kit Installation Grid Ceiling.....	Page 7
D. Luminaire Installation for Grid ceilings	Page 8
E. Luminaire Installation for Hard surface Ceilings.....	Page 10

A. Identification of Renna Luminaire

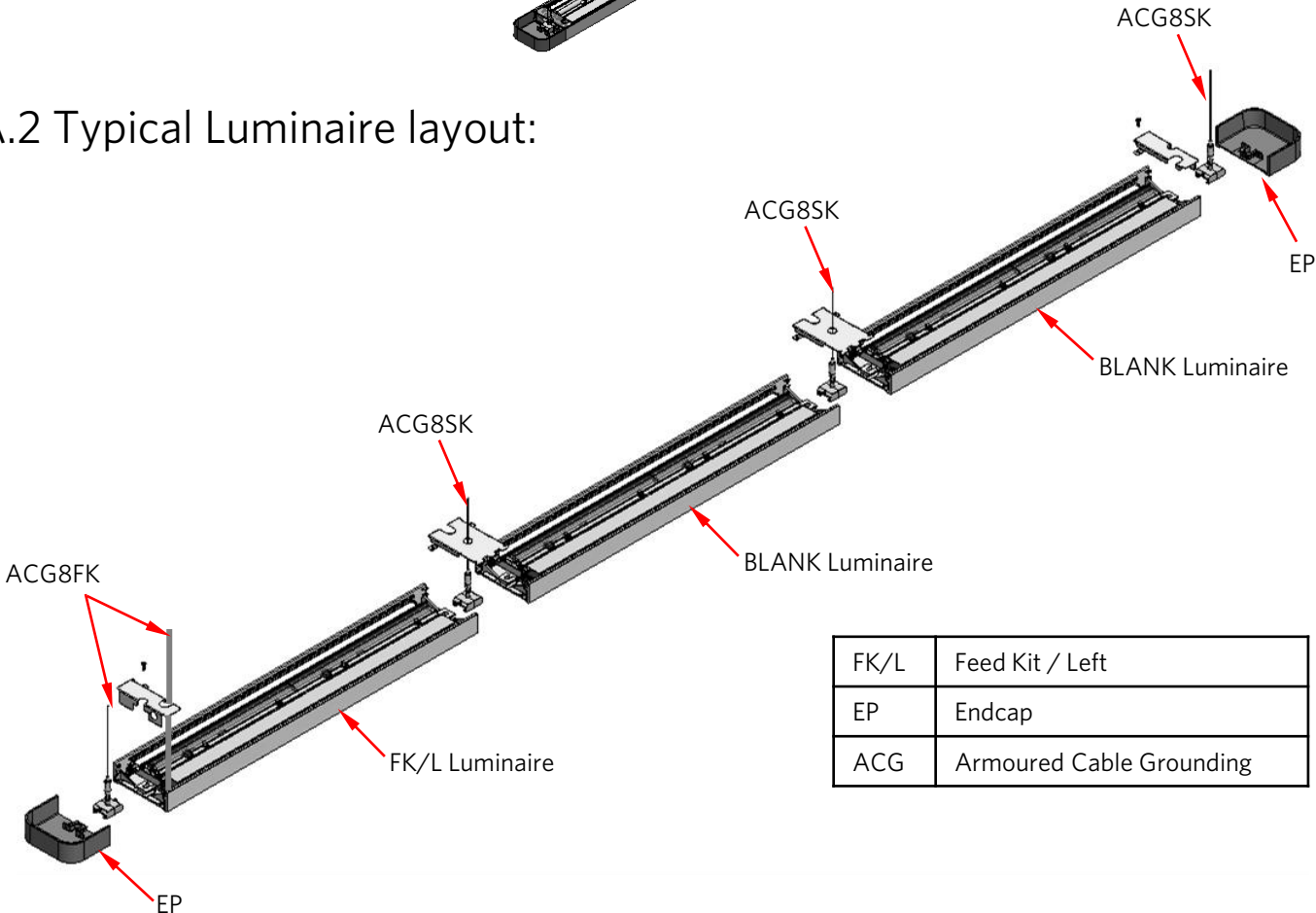


IMPORTANT: Wear cotton gloves AND lift and handle the luminaire from the ends to avoid damaging or soiling the lens surface. Should the lens surface become smudged or otherwise blemished, clean using only a soft, microfiber cotton cloth

A.1 Types of Luminaire:



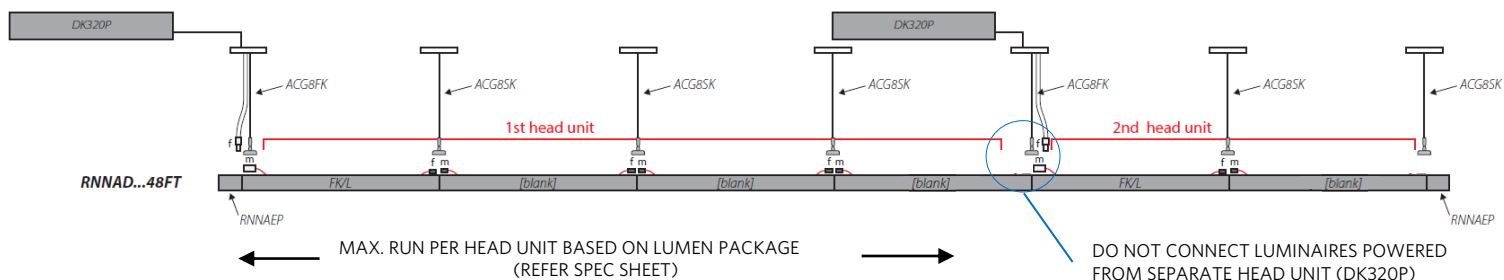
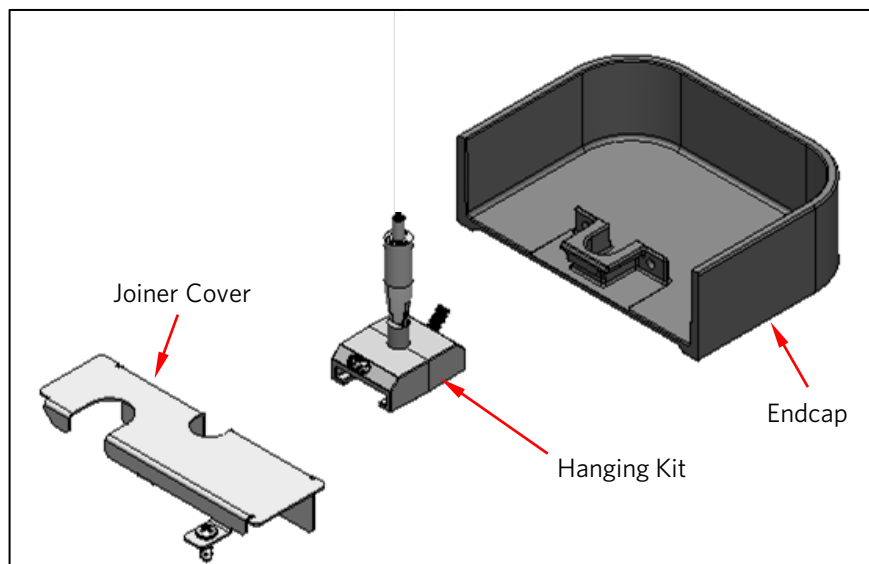
A.2 Typical Luminaire layout:



FK/L	Feed Kit / Left
EP	Endcap
ACG	Armoured Cable Grounding

IMPORTANT: Each luminaire section must be paired with its corresponding head unit. Look for matching numbers on the luminaire and head unit packaging boxes.

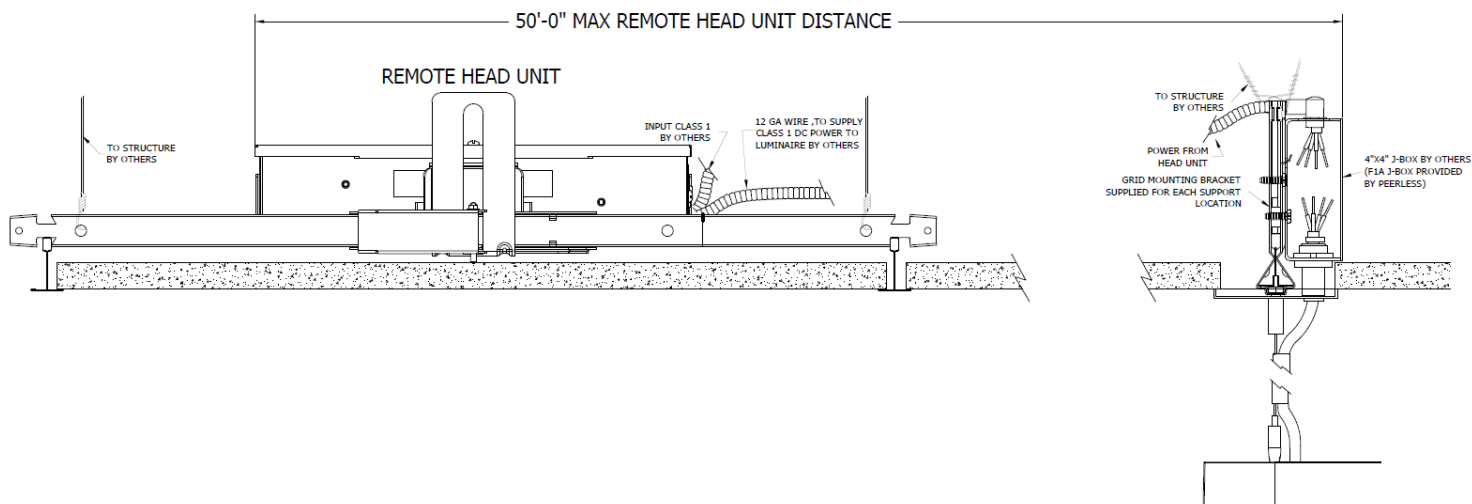
A.3 Hanging Kit - Standard (RNNAD/RNNAI)



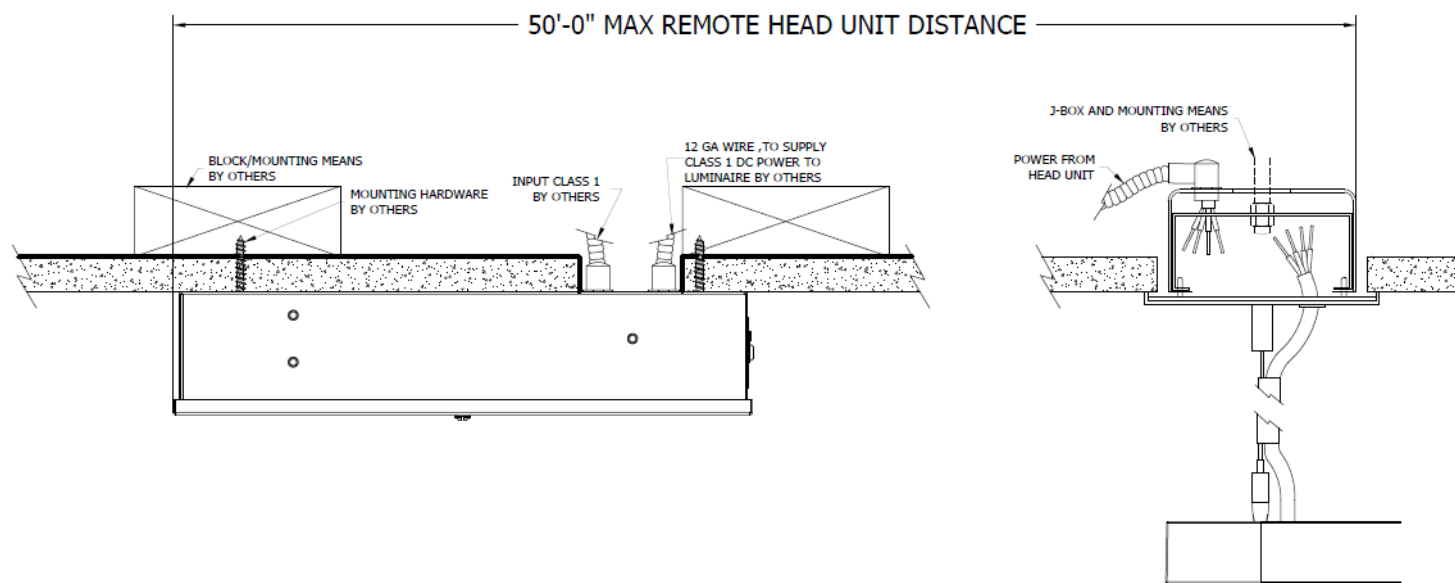
ELEVATION VIEW
TYPICAL LUMINAIRE LAYOUT
(*HANGING POINTS CAN VARY BASED ON CONFIGURATIONS)

B. Overview of RNN AID/RNNAD/RNNAI Installation

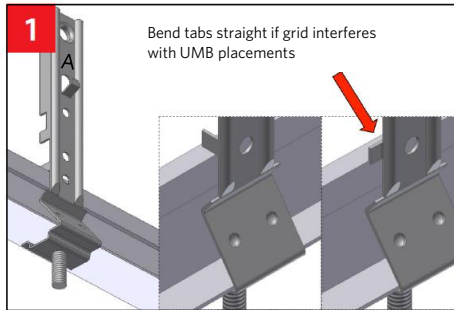
B.1 Overview of Installation for Grid Ceiling (F1/F1A)



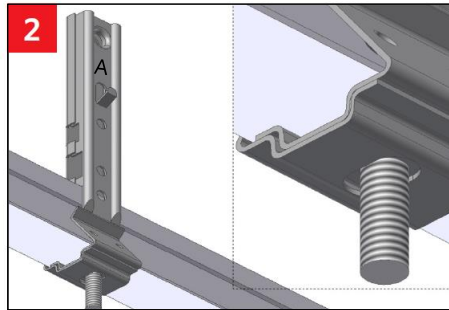
B.2 Overview of Installation for Hard Surface Ceiling (F2)



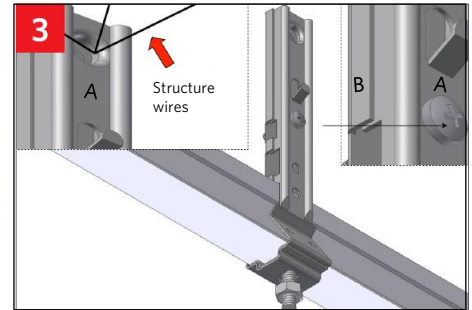
C. Support Kit Installation for Grid Ceilings (F1)



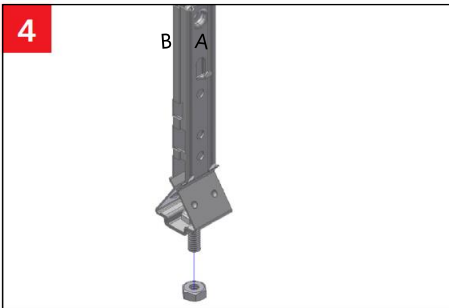
For On-Grid Installations follow steps C1-C3 then skip to Step C7: In an accompanying hardware box, locate a Universal Mounting Bracket (UMB). Insert bolt into bottom hole of Bracket A, then hook Bracket A onto grid.



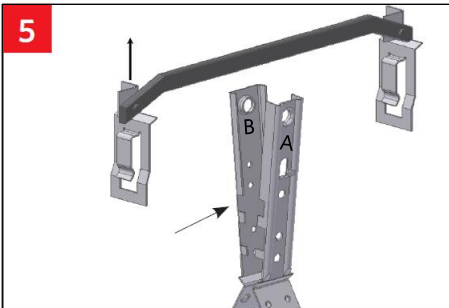
Hook Bracket B onto Bracket A. Letters are clearly marked on the UMB.



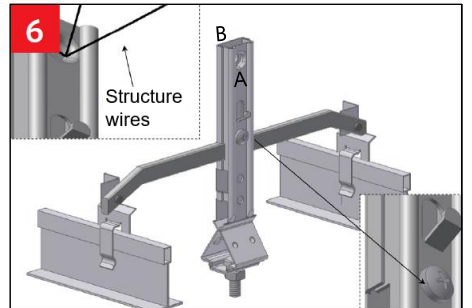
Adjust brackets to proper location along the ceiling grid then screw sides A to B together. Secure the brackets to the building structure per local building codes.



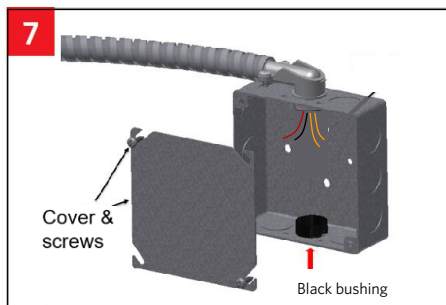
For Off-Grid Installations, skip steps C1-C3 begin here at Step C4: In an accompanying hardware box, locate a Universal Mounting Bracket (UMB). Insert bolt into Bracket A. Hook Bracket B onto Bracket A. Secure with nut (DO NOT TIGHTEN).



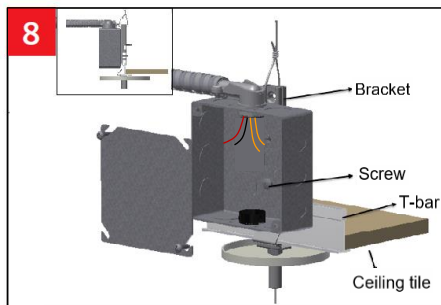
Slide hanger (by others) onto Caddy Bar and fit Caddy Bar into upper slots in the bracket.



Adjust brackets to proper location along the ceiling grid then screw sides A to B together. Secure the brackets to the building structure per local building codes.



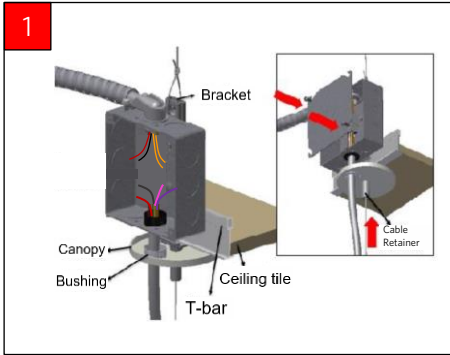
Locate the matching driver enclosure box for the luminaire section currently being installed. Remove cover from provided J-box by unscrewing 2X #8 screws. Attach black bushing to J-Box.



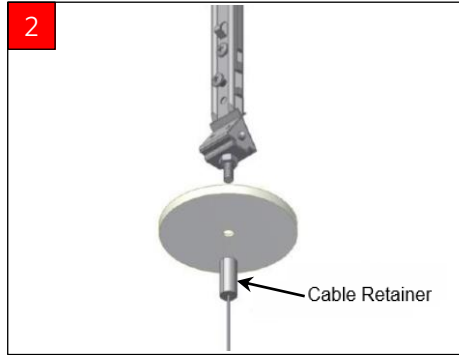
Hang J-box assembly onto Bracket A tab and screw J-box to bracket.

IMPORTANT: CONTRACTOR TO RUN MIN. 12GA WIRE THROUGH CODE-COMPLIANT METAL CONDUIT, MAX. 50. FT

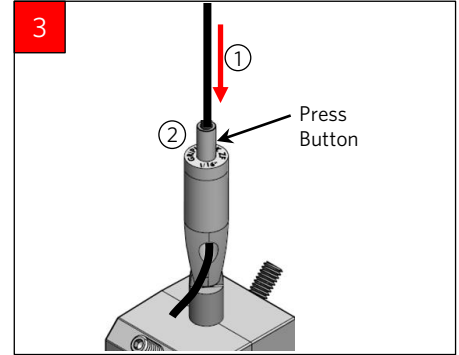
D. Luminaire Installation for Grid Ceilings (F1)



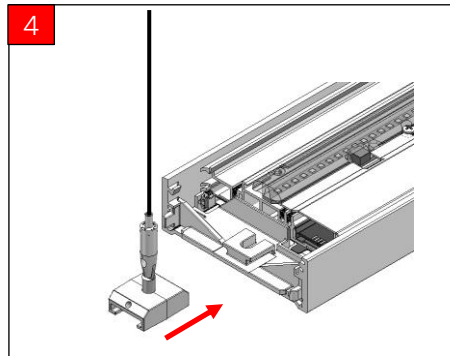
At power feed locations: Insert feed cord into J-box through bushings and canopy. Place canopy flush with ceiling tile. Thread cable retainer onto the bolt. Connect wire connectors and install the cover to the J-box with screws. Add cord manager sleeve to secure feed cord to the aircraft cable.



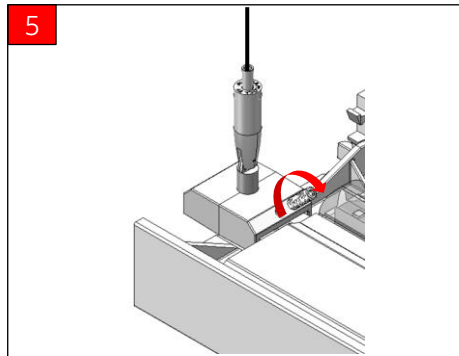
At non- power feed locations: Assemble UMB onto grid (as in C1-C3) or caddy bar (as in C4-C6). Place canopy flush with ceiling tile. Thread cable retainer onto bolt no less than ¼" of the way up.



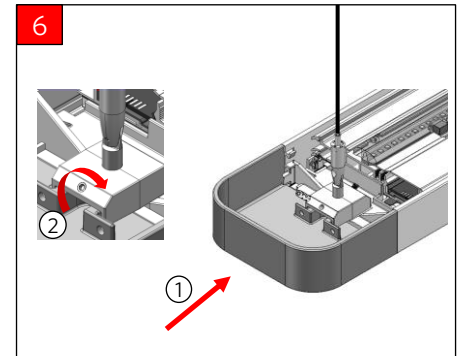
Insert the aircraft cable from ceiling supports into gripper through the press button ① and pull the aircraft cable to the desired height ②. Push the press button to release the cable and adjust the cable height ②. Repeat the procedure on other knuckle assemblies.



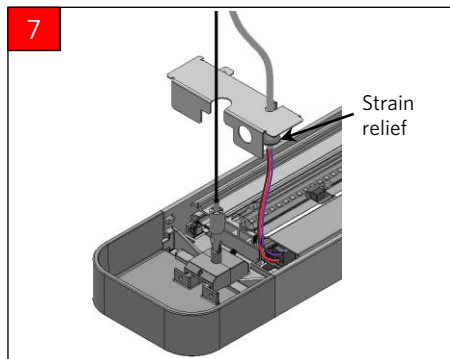
Raise the luminaire into position. Loosen both the set screws provided on the knuckle and slide it into position in the luminaire.



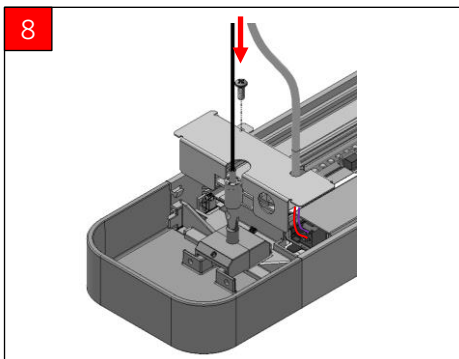
Fasten the knuckle to luminaire using one set screw.
TORQUE 4.2-5.8 in-lbs



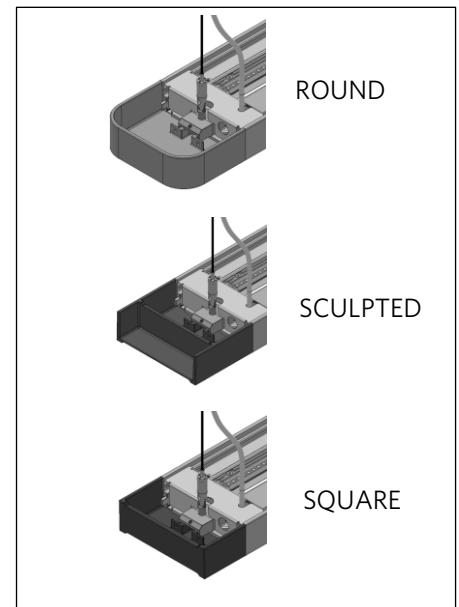
Slide the end cap ① into the knuckle slot and fasten it using the second set screw ②
TORQUE 4.2-5.8 in-lbs



Insert the cord manager leading from J-box through the cord clearance hole provided in the joiner cover. Secure its position using the strain relief and connect it to its mating feed cord from the bus board.

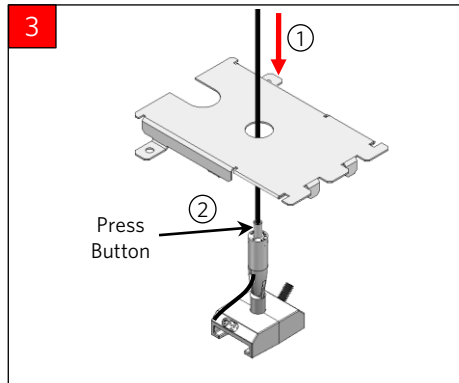


Secure the left joiner cover onto the luminaire using the screw provided in the kit. TORQUE 8.2-9.2 in-lbs

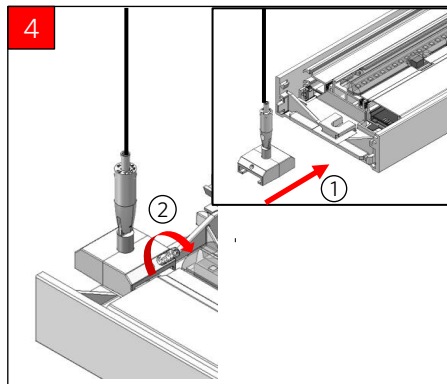


D. Luminaire-to-Luminaire Installation for Grid Ceilings (F1)

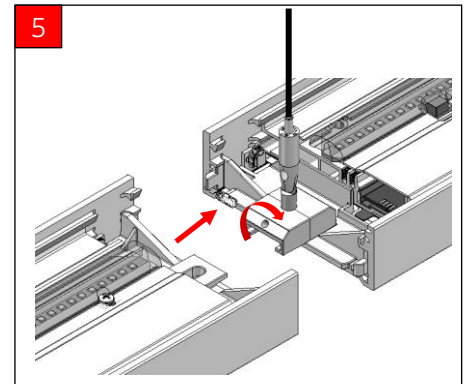
Refer Step D1 and Step D2 from sheet #8



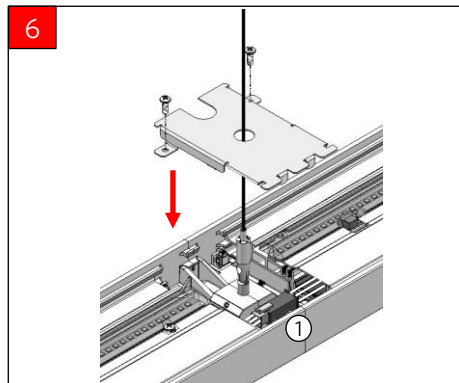
Insert the aircraft cable from the ceiling supports through the middle cover, then through the press button and pull the aircraft cable to the desired height ①. Push the press button to release the cable and adjust the cable height ②. Repeat the procedure on other knuckle assemblies which appears between luminaires.



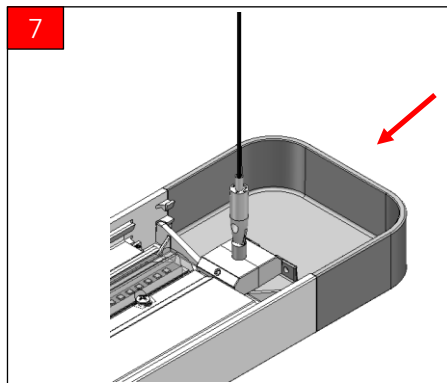
Raise the luminaire into position. Loosen both the set screws provided on the knuckle and slide it into position in the luminaire ①. Fasten the knuckle to luminaire using one set screw ②.
TORQUE 4.2-5.8 in-lbs



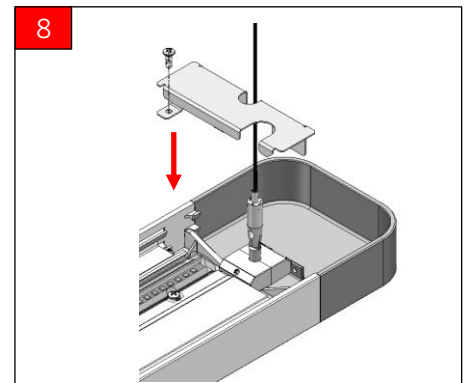
Lift the next luminaire unit to the same level as front unit. Slide it into the front unit assembly and fasten it using the second set screw.
TORQUE 4.2-5.8 in-lbs



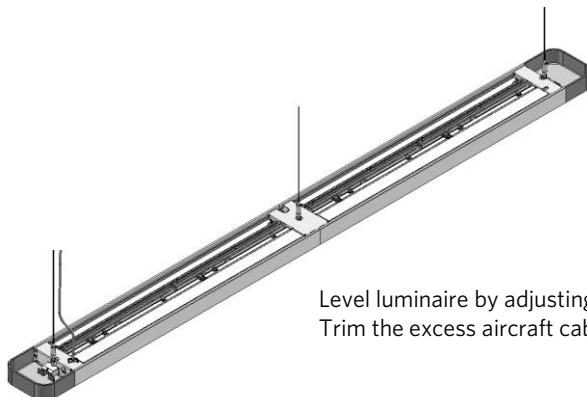
Connect the bus boards using the connectors provided at end of each luminaires ①. Align the joiner cover above gripper and secure it on both luminaires using 2X screws ②.
TORQUE 8.2-9.2 in-lbs



Fasten the knuckle to luminaire using one set screw. Slide the end cap into the knuckle slot and fasten it using the second set screw.
TORQUE 4.2-5.8 in-lbs

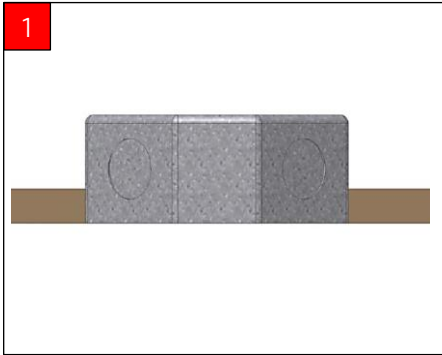


Secure the right joiner cover onto the luminaire using the screw provided in the kit.
TORQUE 8.2-9.2 in-lbs

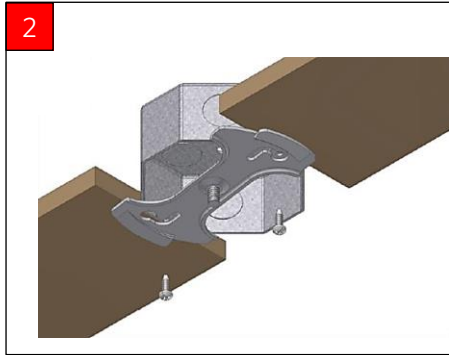


Level luminaire by adjusting the cable grippers.
Trim the excess aircraft cables.

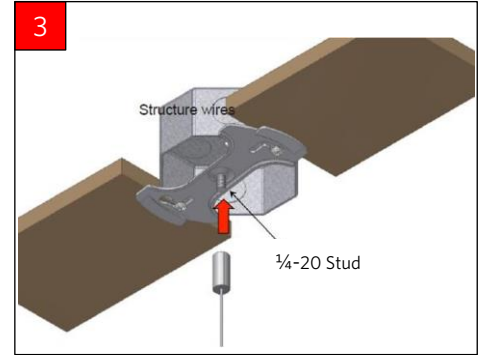
E. Luminaire Installation for Hard Surface Ceilings (F2) - contd.



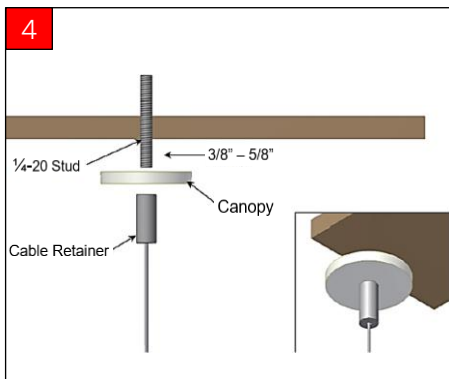
At power feed locations: Install the J-box (by others) into the ceiling. Ensure that the bottom edge sits flush with the ceiling level.



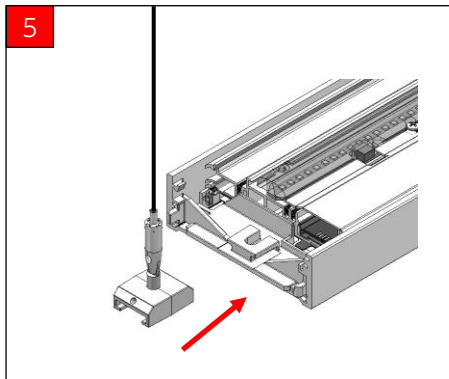
Attach a mounting strap to the J-box using 2X #8 screws and fasten securely onto the ceiling.



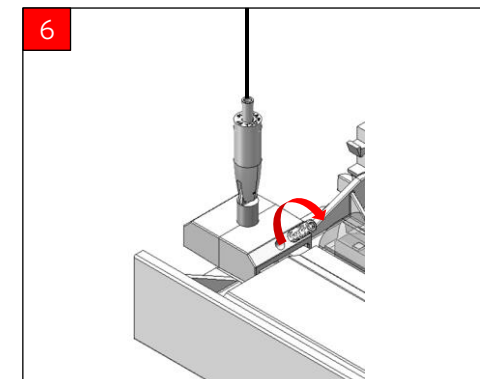
Secure the cable retainer to the 1/4-20 stud.



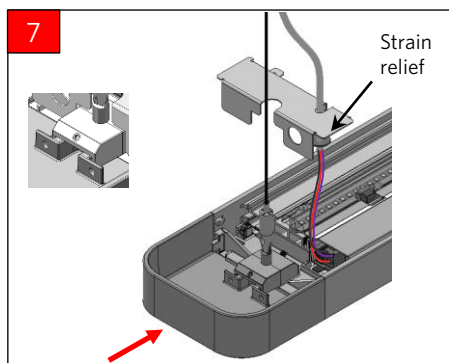
At non-feed locations: Secure 1/4-20 stud approximately 3/8" to 5/8" below the ceiling. Insert canopy and securely fasten the cable retainer.



*Loosen both the set screws provided on the knuckle and slide it into position in the luminaire.

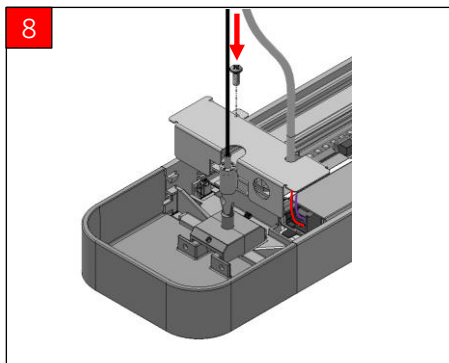


Fasten the knuckle to luminaire using the one set screw. TORQUE 4.2-5.8 in-lbs

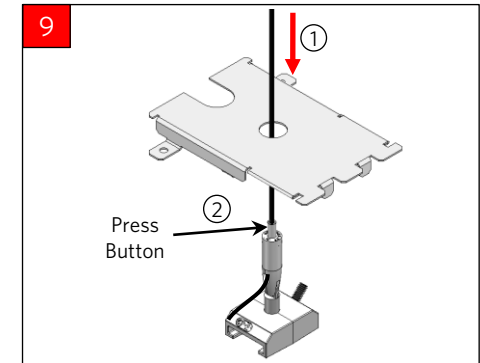


Slide the end cap into the knuckle slot and fasten it using the second set screw. TORQUE 4.2-5.8 in-lbs

Insert the cord manager leading from J-box through the cord clearance hole provided in the joiner cover. Secure its position using the strain relief and connect it to its mating feed cord from the bus board.

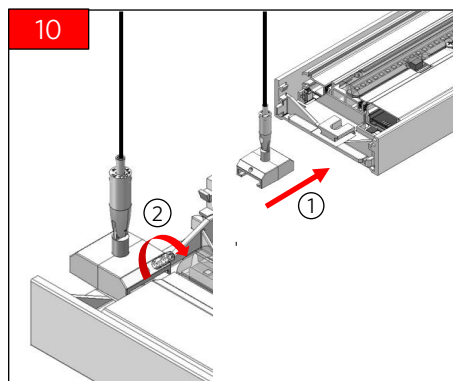


Secure the left joiner cover onto the luminaire using the screw provided in the kit. TORQUE 8.2-9.2 in-lbs

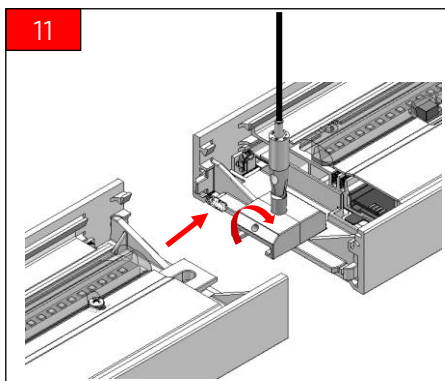


Insert the aircraft cable from ceiling supports through the middle cover and then through the press button and pull the aircraft cable to the desired height ①. Push the press button to release the cable and adjust the cable height ②. Repeat the procedure on other knuckle assemblies which appears between luminaires.

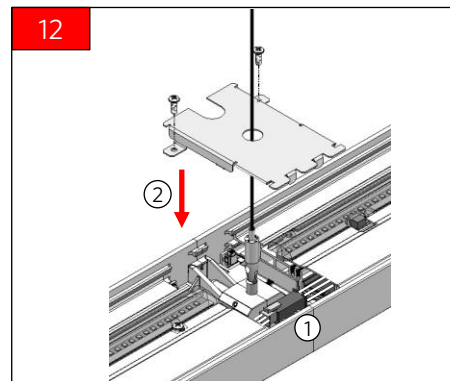
E. Luminaire Installation for Hard Surface Ceilings (F2)



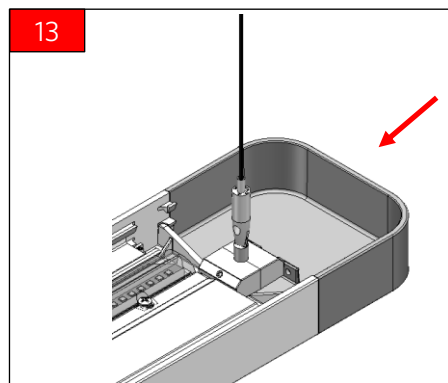
Raise the luminaire into position. Loosen both the set screws provided on the knuckle and slide it into position in the luminaire ①. Fasten the knuckle to luminaire using one set screw ②. TORQUE 4.2-5.8 in-lbs



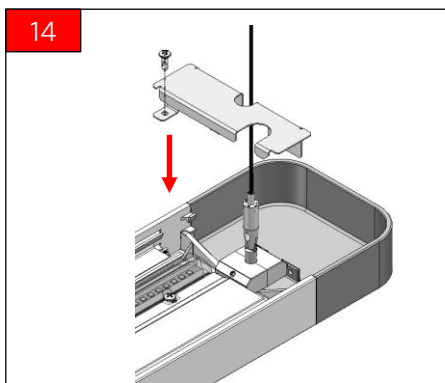
Lift the next luminaire unit to the same level as front unit. Slide it into the front unit assembly and fasten it using the second set screw. TORQUE 4.2-5.8 in-lbs



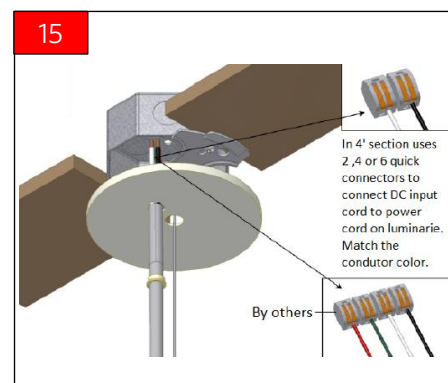
Connect the bus boards using the connectors provided at end of each luminaire ①. Align the joiner cover above gripper and secure it on both luminaires using 2X screws ②. TORQUE 8.2-9.2 in-lbs



Fasten the knuckle to luminaire using one set screw. Slide the end cap into the knuckle slot and fasten it using the second set screw. TORQUE 4.2-5.8 in-lbs



Secure the right joiner cover onto the luminaire using the screw provided in the kit. TORQUE 8.2-9.2 in-lbs



Insert white 7/8" bushing on luminaire power cord. Remove canopy and pass the luminaire power cord through the canopy. Connect matched color wire using wire connectors. Install the insulated crimp strain relief above the canopy. Reinstall the canopy to mounting strap.