

Important Safety Instructions

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!

SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

- 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.
- 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 luminaire 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 enclosure or light source.
- ✓ Do not exceed maximum wattage marked on luminaire label.
- ✓ Follow all manufacturer's warnings, recommendations and restrictions for: driver type, burning position, mounting locations/methods, replacement and recycling.

Important Safety Instructions



CAUTION RISK OF INJURY

- ✓ Wear gloves and safety glasses at all times when removing luminaire 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

- ✓ 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.
- ✓ Controls for dimming, auto-sensing, or remote control of a luminaire that are not factory-wired to the luminaire must be checked for compatibility with the luminaire prior to installation. 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.
- ✓ Always ensure that the electrical distribution system is up to NEC (and any applicable local code) requirements.
- ✓ Verify that power distribution system has proper grounding. Lack of proper earth ground can lead to fixture failure and may void warranty.

Choose either Part 15 OR Part 18 and move to Page 3 Installation Instructions under Delivery. Lithonia Outdoor will always use Part 15.

All luminaires that contain electronic devices that generate frequencies above 9kHz from any component within the luminaire comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesired operation

Important Safety Instructions

This device complies with Part 18 of the FCC Rules but may cause interference with cordless and cell phones, radios, televisions, and other electronic devices. To correct the problem, move the device away from the luminaire or plug into a different outlet. This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communications equipment operating between 0.45-30MHz.

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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Important Safety Instructions



CAUTION: RISK OF PRODUCT DAMAGE

- ✓ Electrostatic Discharge (ESD): ESD can damage product(s). 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 and affect product Performance.
- ✓ Do not stretch or use cable sets that are too short or are of insufficient length.
- ✓ Do not tamper with contacts.
- ✓ Do not modify the product.
- ✓ Do not change or alter internal wiring or installation circuitry.
- ✓ Do not use product for anything other than its intended use.
- ✓ If installing latching springs: ensure that the springs are fully engaged prior to moving to next connection.
- ✓ If installing wiring systems: Materials and component parts of a manufacturing wiring system as described in Article 604 of the National Electric Code and Underwriters Laboratories Standard for Safety #183 **MUST BE** installed.

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.

Our Brands	Indoor/Outdoor	Indoor Lighting	Outdoor Lighting	Controls	Daylighting
	Lithonia Lighting Carandini Holophane RELOC Light Concepts	Gotham Mark Architectural Lighting Peerless Renaissance Lighting Winona Lighting	American Electric Lighting Antique Street Lamps Hydrel Tersen	DARK TO LIGHT LC&D ROAM Sensor Switch Synergy	SunOptics

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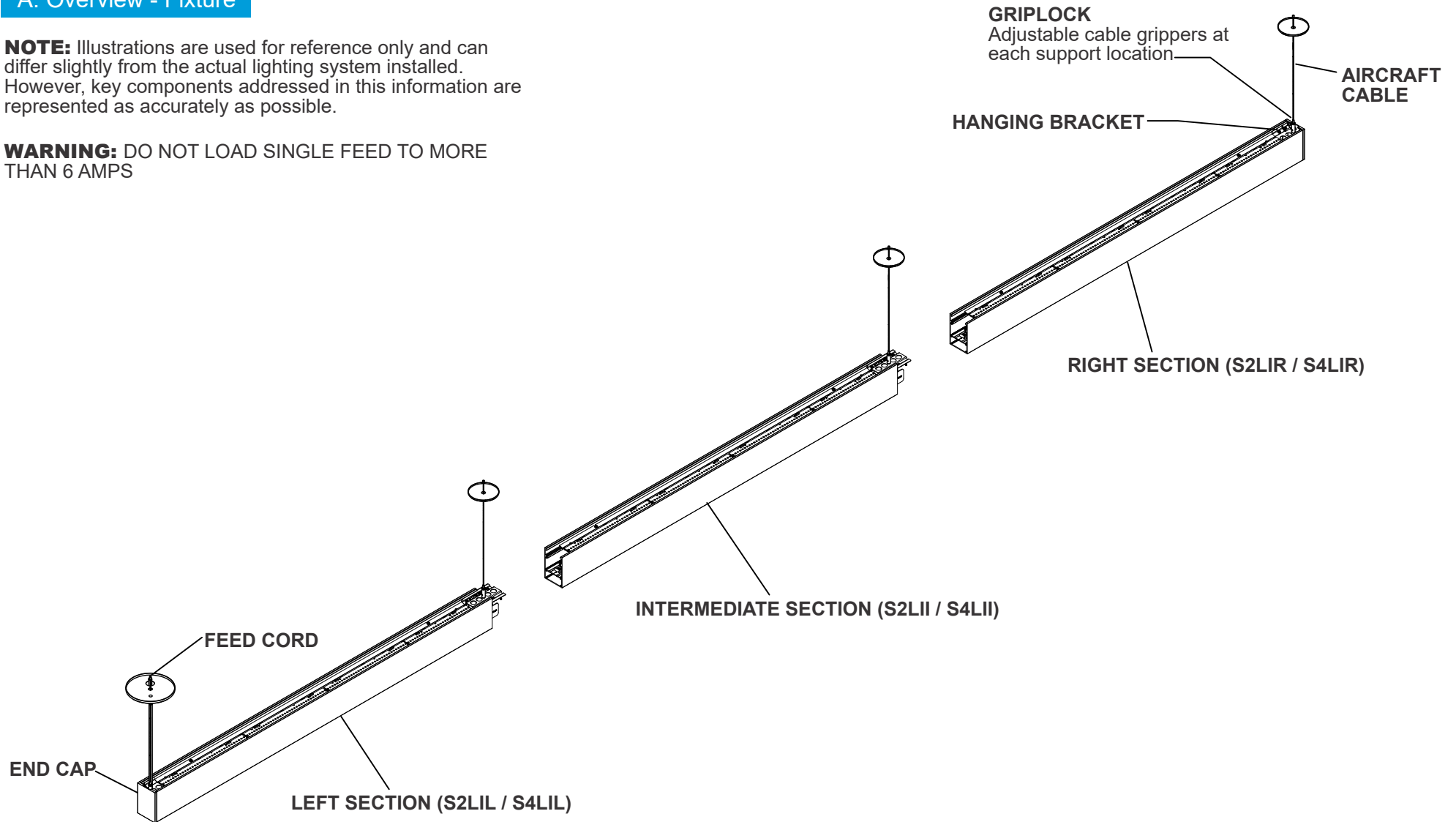
ABL LED General Warnings, Form No. 503.203

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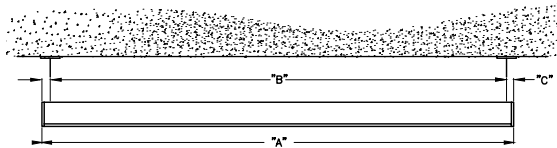
A. Overview - Fixture

NOTE: Illustrations are used for reference only and can differ slightly from the actual lighting system installed. However, key components addressed in this information are represented as accurately as possible.

WARNING: DO NOT LOAD SINGLE FEED TO MORE THAN 6 AMPS



B. Overview - Mounting



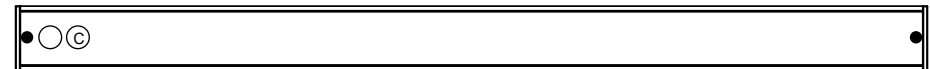
INDIVIDUAL FIXTURES (MOUNTING)			
LENGTH	"A" O.A.L.	"B" O.C.	"C" FROM END
2FT	2'- 0 1/2"	1'- 11 7/8"	3/8"
3FT	3'- 0 1/2"	2'- 11 7/8"	3/8"
4FT	4'- 0 1/2"	3'- 11 7/8"	3/8"
5FT	5'- 0 1/2"	4'- 11 7/8"	3/8"
6FT	6'- 0 1/2"	5'- 11 7/8"	3/8"
7FT	7'- 0 1/2"	6'- 11 7/8"	3/8"
8FT	8'- 0 1/2"	7'- 11 7/8"	3/8"

O.A.L. - Overall length
O.C. - Distance from center to center

Feed Point Locations



Indirect, Dimming* or Non-Dimming

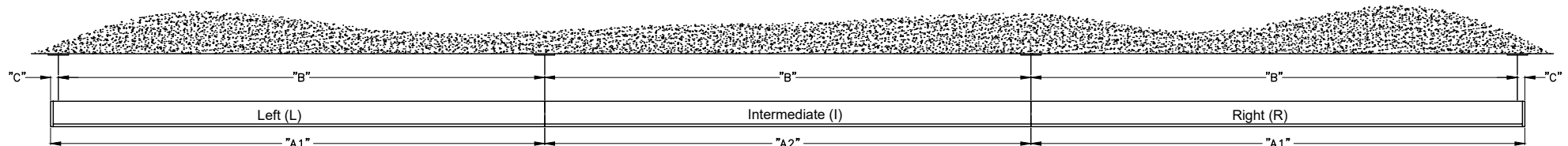


Indirect, nLight Controls (wired)

* 2-Wire Dimming (ZT, DALI, and Lutron EcoSystem)

- Non-Power Feed Point / Aircraft Cable
- Power Feed
- Ⓑ Battery Power Feed
- Ⓒ CAT5

Run Configurations

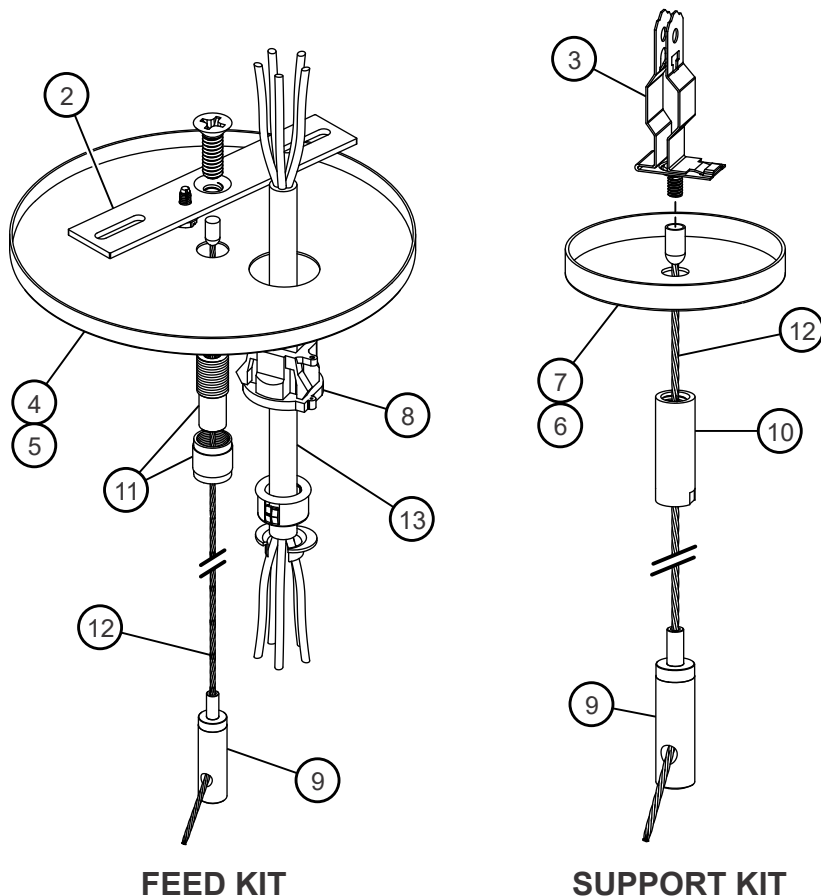


RUN LAYOUT (MOUNTING)			
"A1" O.A.L.	"A2" O.A.L.	"B" O.C.	"C" FROM END
4'- 0 1/4"	4'-0"	4'-0"	3/8"
5'- 0 1/4"	5'-0"	5'-0"	3/8"
6'- 0 1/4"	6'-0"	6'-0"	3/8"
7'- 0 1/4"	7'-0"	7'-0"	3/8"
8'- 0 1/4"	8'-0"	8'-0"	3/8"

C. Parts - Hanging Hardware

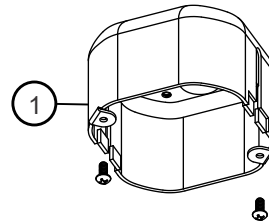
- Provided in a separate red box labeled "INSTALLATION HARDWARE PLEASE OPEN FIRST".
- All other parts for installation to be provided by others.

NOTE: Feed kit is the same for F1/F2 and parts are provided for both types of ceiling install. See parts list on this page for provided mounting hardware kit.

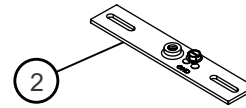


FEED KIT

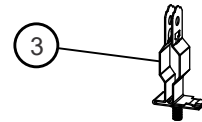
SUPPORT KIT



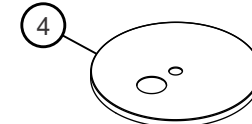
Grid Mount J-Box
*274WJ0
(provided with F1A option only)



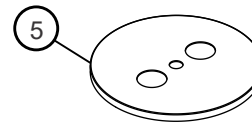
Cross Bar
*274W1N



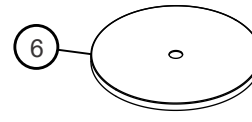
Grid Clip
*274W1R



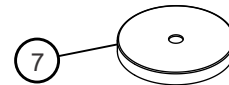
5" Round Feed/CAT5 Canopy
White: *274WH1 (*274WJ7)
Black: *274WHG (*274WL5)
Silver: *2726W7 (*274WPA)



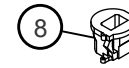
5" Round Dual Feed Canopy
White: *274WLJ (*274WN0)
Black: *274WMP (*274WNY)
Silver: *274WPV (*274WR5)



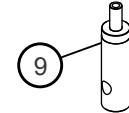
5" Round Support Canopy
White: *274WK8 (*274WML)
Black: *274WLN (*274WMX)
Silver: *274WPJ (*274WR1)



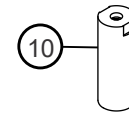
2" Round Support Canopy
White: *274W2S (*274WHC)
Black: *274WGX (*274WHL)
Silver: *274WLU (*274WNV)



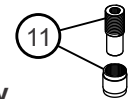
Strain Relief
White: *274W1U
Black: *274W2L



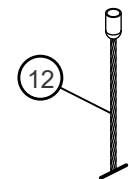
Mini Cable Gripper
*274W1J



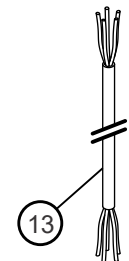
Coupler (2" Canopy)
*274W24



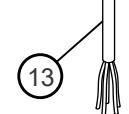
Coupler (5" Canopy)
*274W2K



Aircraft Cable
36": *274W2W
72": *274W2G
150": *274WH0



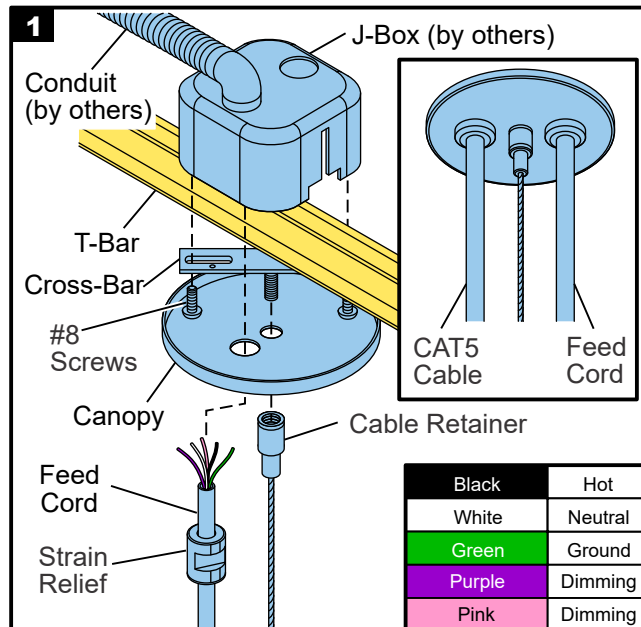
Feed Cord (White)
4FT: *274WHN
7FT: *274WH7
14FT: *274WJE



Feed Cord (Black)
4FT: *274X8R
7FT: *274X8P
14FT: *274X8V

* For square canopies, use part # in the parenthesis.

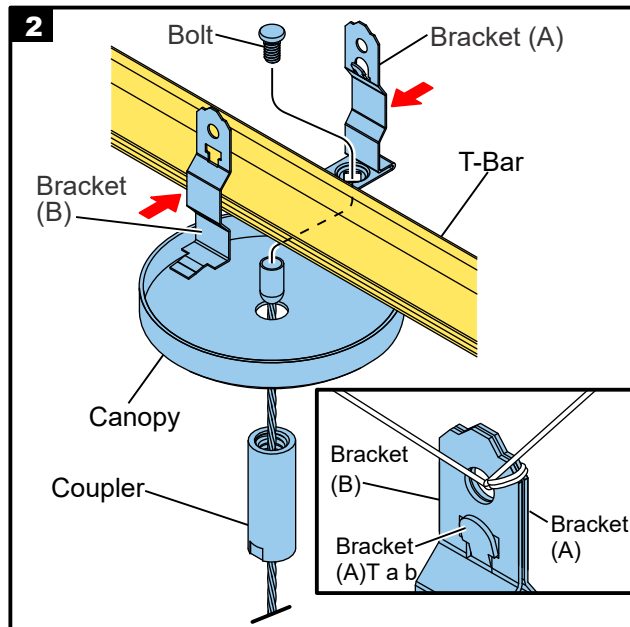
D. Set Up Ceiling - Grid Ceilings (F1)



Feed Locations:

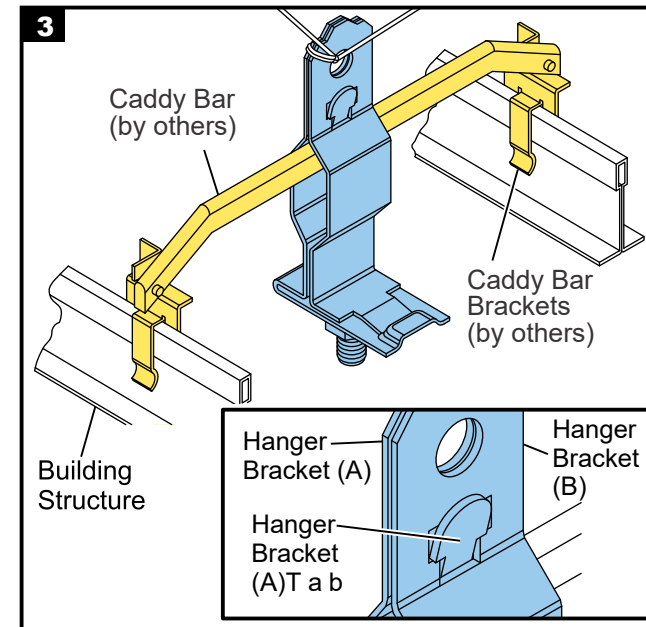
- Install J-box (by others) into the ceiling. Ensure the bottom edge is flush with the ceiling. Connect the metal conduit from building power to the J-box.
- Mount the crossbar to the J-box using (2) #8 screws and fasten it securely to the J-box.
- Insert strain relief to the feed cord.
- Pass the feed cord through the hole in the canopy and make wire connections inside J-box. Flush the canopy with the crossbar and thread coupler onto crossbar screw.

NOTE: A separate hole is provided for a CAT5 cable if NLIGHT option is selected.



Non-Feed Locations (On-Grid):

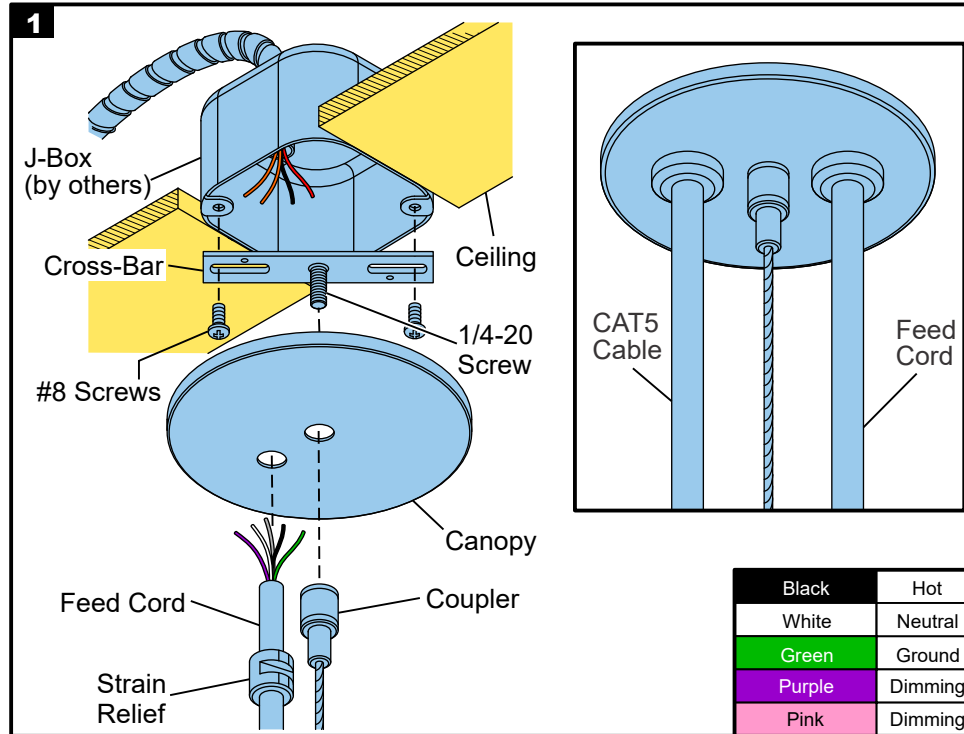
- Insert bolt into the bottom of bracket (A) and hook onto grid member.
- Hook bracket (B) onto bracket (A) and adjust brackets to proper location along the ceiling grid and push the tab from (A) towards bracket (B) to secure brackets together.
- Secure the brackets to the building structure per local building codes.



Non-Feed Locations (Off-Grid):

- Insert bolt into the bottom of bracket (A) and hook together with bracket (B). Secure with nut (DO NOT TIGHTEN).
- Slide hanger onto caddy bar and fit caddy bar into upper slots on the grid members.
- Adjust brackets to proper location and push the tab from bracket (A) towards bracket (B) to secure brackets together.
- Secure the brackets to the building structure per local building codes.

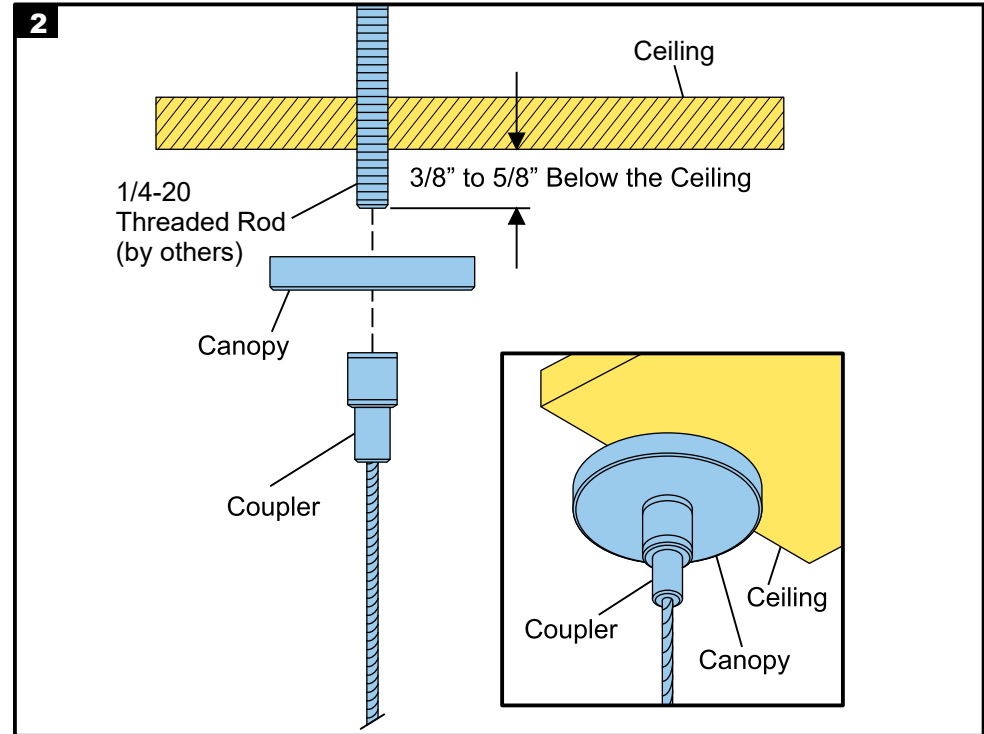
E. Set Up Ceiling - Hardlid (F2)



Feed Locations:

- Install the 40 J-box (by others) into the ceiling. Ensure the bottom edge is flush with ceiling. Connect the metal conduit from building power to the J-box.
- Mount crossbar to J-box using (2) #8 screws and fasten it securely to J-box.
- Install strain relief to the feed cord.
- Pass feed cord through the bushing in the canopy and make wire connections inside J-box. Flush canopy with the crossbar and thread coupler onto the crossbar screw.

NOTE: A separate hole is provided for CAT5 cable if NLIGHT option is selected.



Non-Feed Locations:

Secure 1/4-20 threaded rod approximately 3/8" to 5/8" below the ceiling. Insert canopy and securely fasten the coupler.

F. Prep Fixtures

1



FIXTURES MUST BE INSTALLED IN ORDER AS SHOWN ON RECORD DRAWINGS.

Unique Run/Pattern # Section #

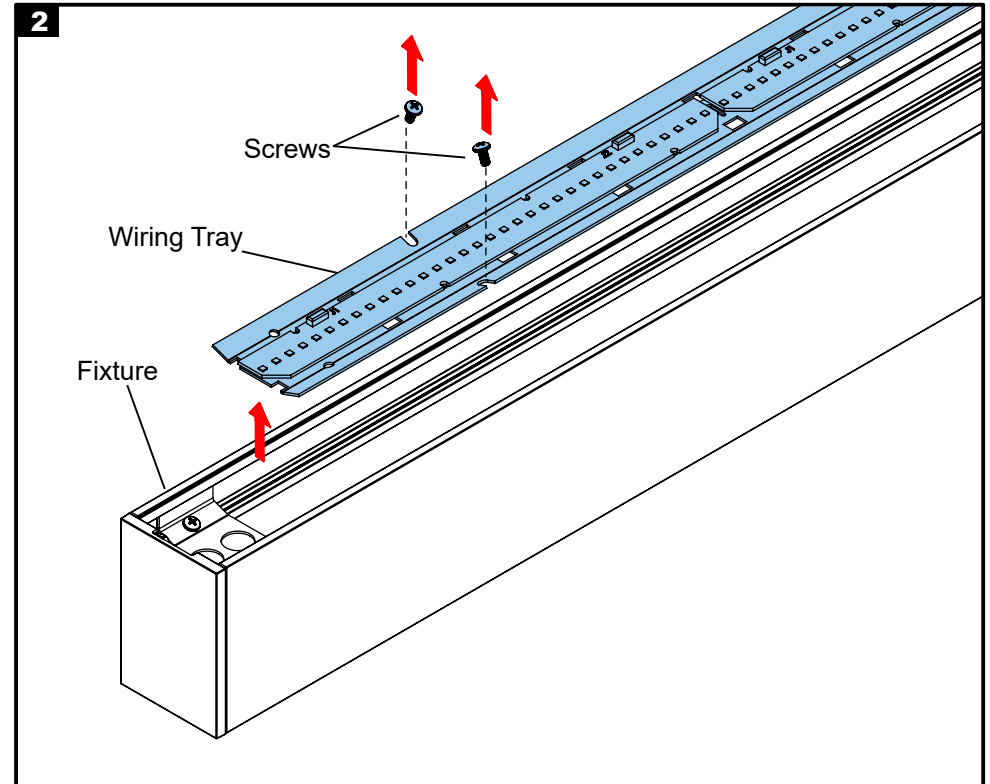
Mark as Field → F-08-32FT

ID: 2.001

A427-40250-0-LLA-1.001 ← Order #

LEFT	INTERMEDIATE	INTERMEDIATE	RIGHT
2.000	2.001	2.001	2.002

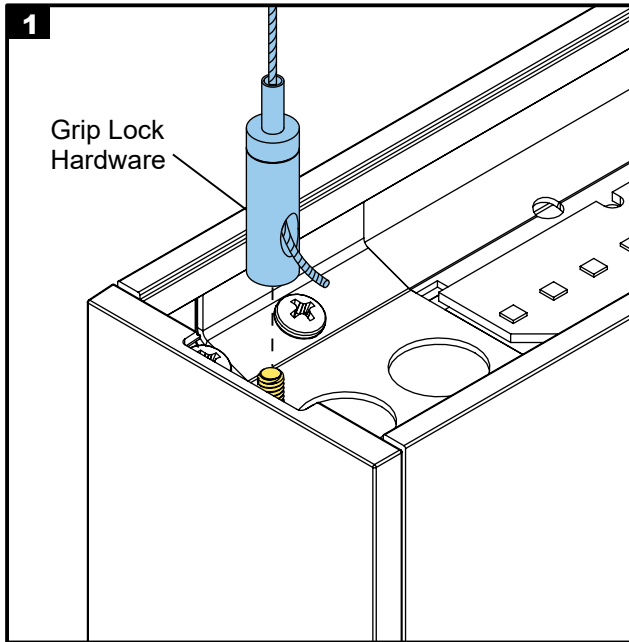
- Labels are located on the carton, on the fixture, and on the lens.
- Each section is identified by and ID#.
- Section position starting with X.000 for the first fixture.
- Same fixture configuration can carry identical ID# and are interchangeable.
- Individual fixtures have whole number Y.
- For replacement parts, provide ID# and order #.



Remove the wiring trays completely by removing screws from the side of the tray and disconnect the wiring harness from the fixture.

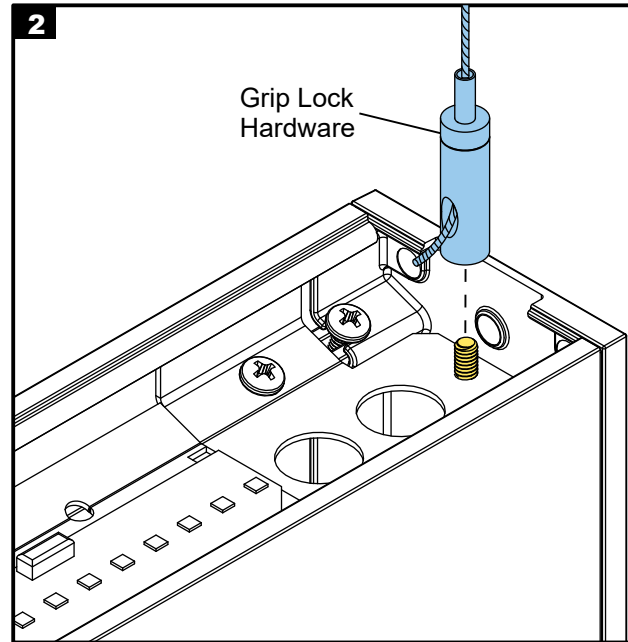
NOTE: Do not discard removed screws. Save to secure the trays back in the fixture.

G. Mount First Section



First Section:

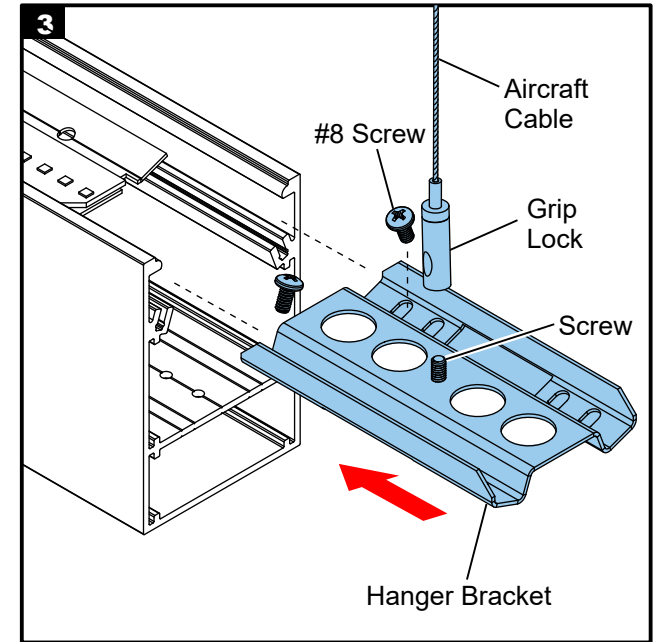
- Mount the grip lock from the hanging hardware kit onto the screw provided on the fixture.
- Adjust aircraft cable up or down, by pushing down on upper lock cylinder. Once required length is achieved, allow lock cylinder to spring back up. Make sure the lock screw is tightened. Hide or trim the excess cable length.



For an Individual Fixture:

Repeat the same procedure from step (1) on the other end of fixture.

NOTE: For a run, refer to step 3.

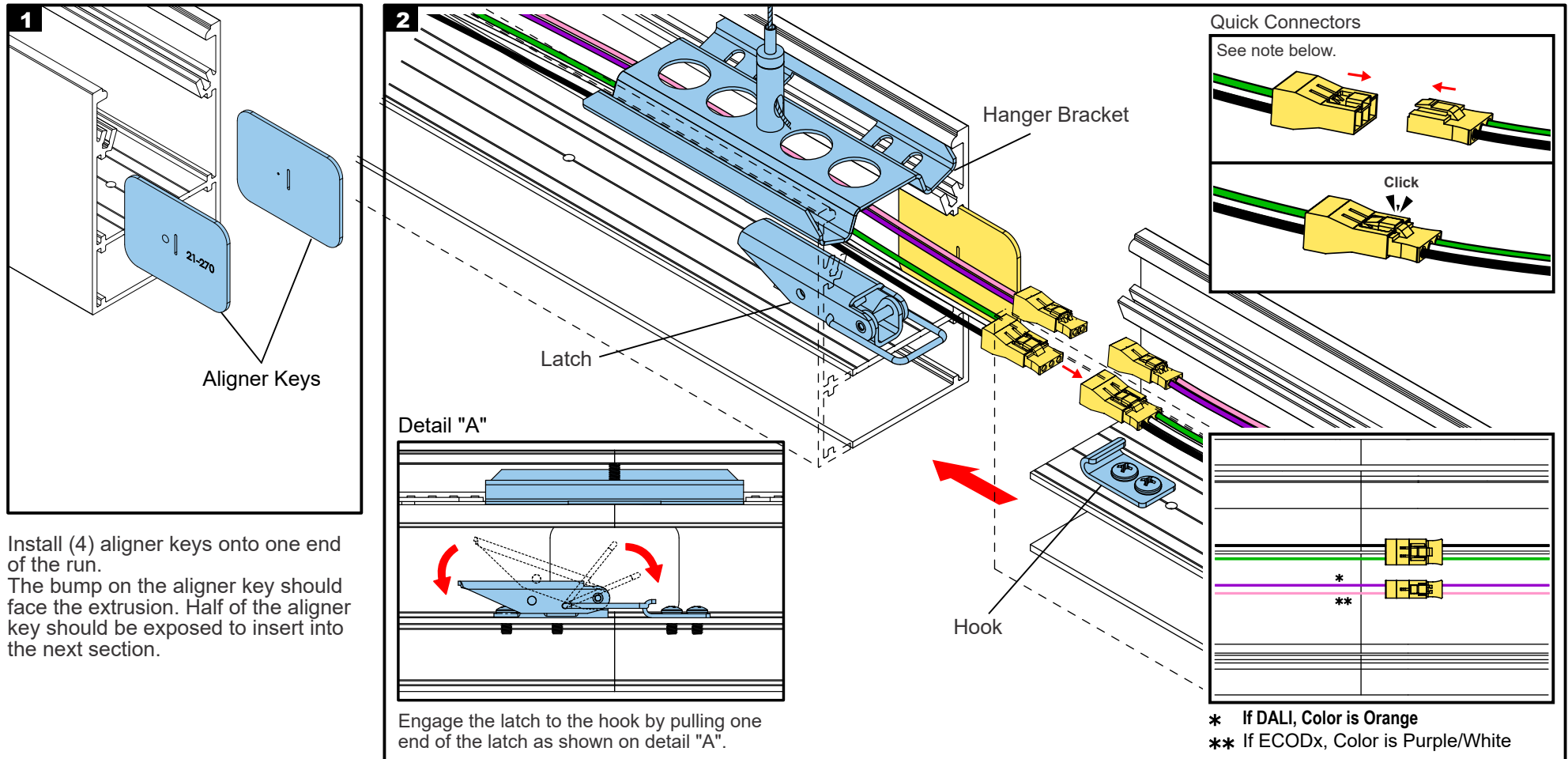


For a Run:

- Mount the grip lock onto the screw on the hanger bracket and temporary secure in place with supplied #8 screw.
- Slide the hanger bracket into open end of housing.
- Adjust aircraft cable up or down, by pushing down on upper lock cylinder. Once required length is achieved, allow lock cylinder to spring back up. Make sure the lock screw is tightened. Hide or trim the excess cable length.

H. Join Sections

(NOTE: Joining hardware parts provided in a separate red bag.)

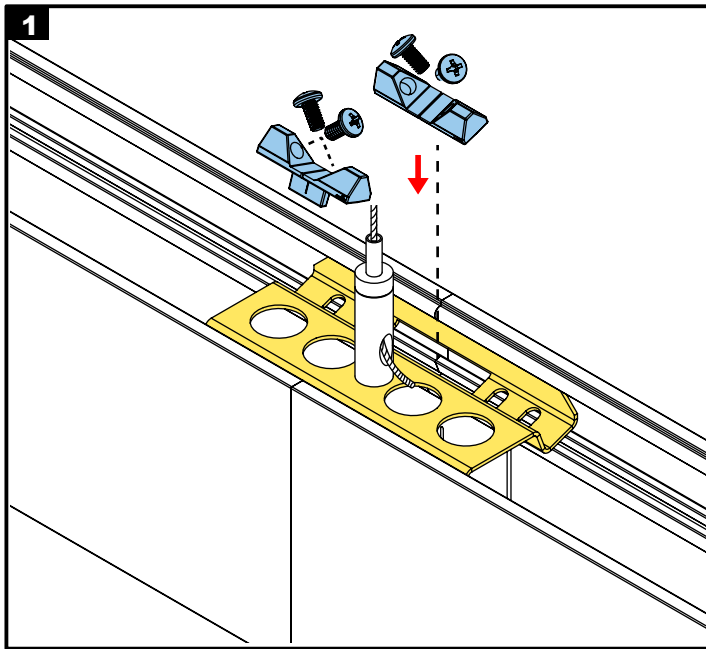


- Slide joining fixture over hanger bracket while keeping aligner keys aligned to the holes from opposite fixture body.
- Fully join sections together, latch the hook and slide the hanger bracket into the next section (Detail "A").

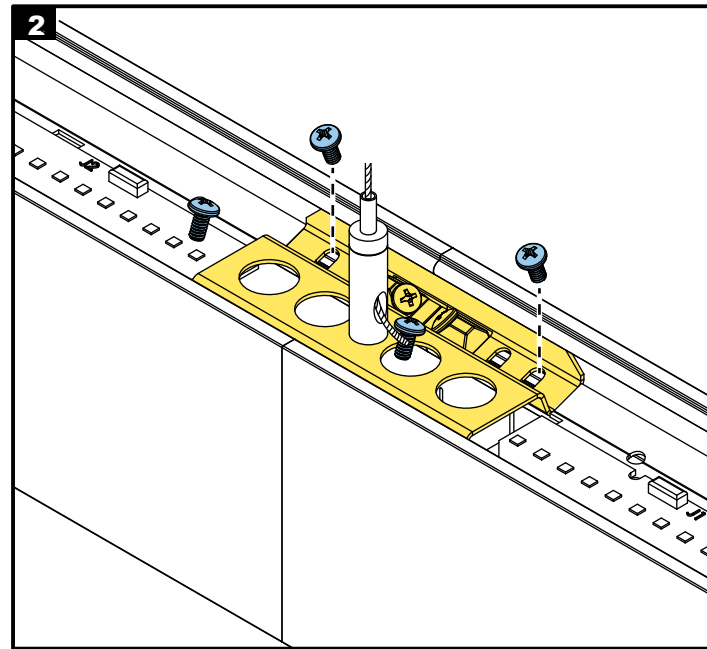
NOTE: Pull wires into the next section before fully joining fixture together. **From each quick connector provided on the intermediate ends of the fixture remove and discard the half (male or female) to which no wires are connected.** Make electrical connections with quick connectors.

H. Join Sections

(NOTE: Joining hardware parts provided in a separate red bag.)



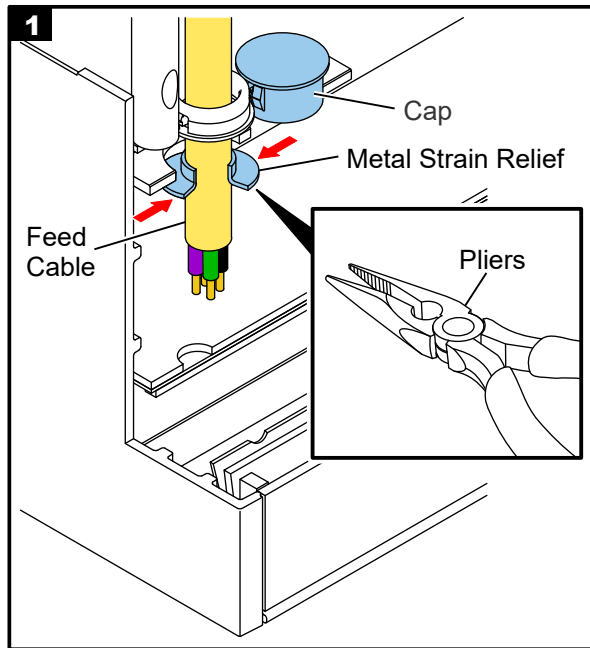
Insert sliding joiners through slots at hanger bracket and tighten with #8 screws provided.



Secure hanger bracket with #8 screws provided.

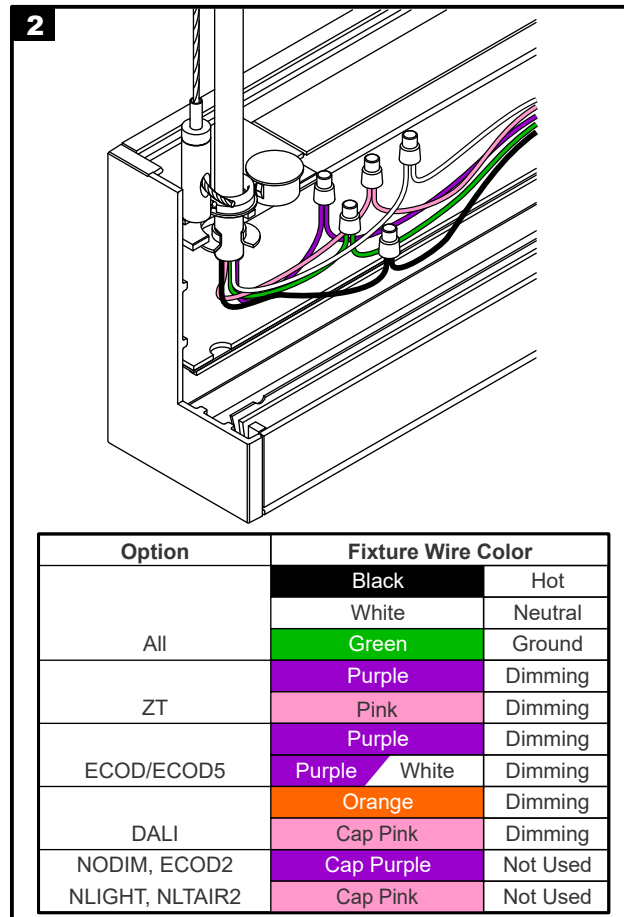
I. Electrical Connections

 **All power connections should be installed according to local/national codes by a Certified Electrician.**



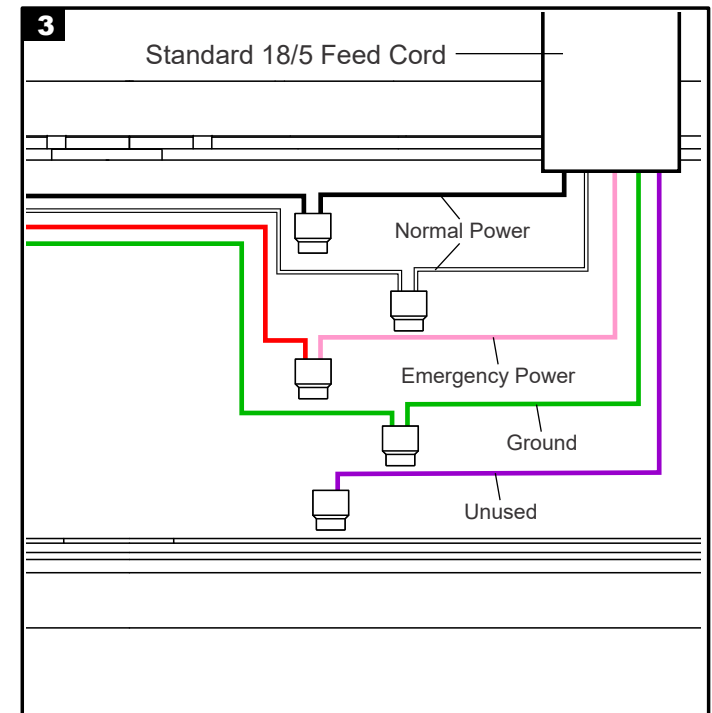
- Pull the feed cable through grommet at the beginning of the run.
- Using pliers, compress the metal strain relief on the power feed cable.
- If NLIGHT option is selected, remove cap next to the power cord, feed CAT5 cable through it, and connect to the RJ45 port.

NOTE: Feed may come pre-installed if pre-installed feed option was selected.



Make wiring connections.

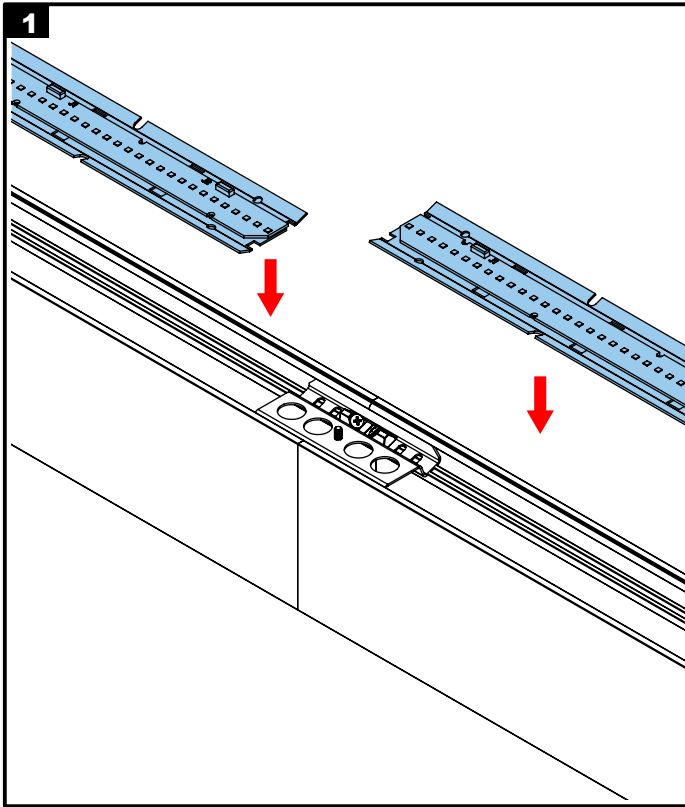
NOTE: Emergency feed uses the exact same feed kit and cord.



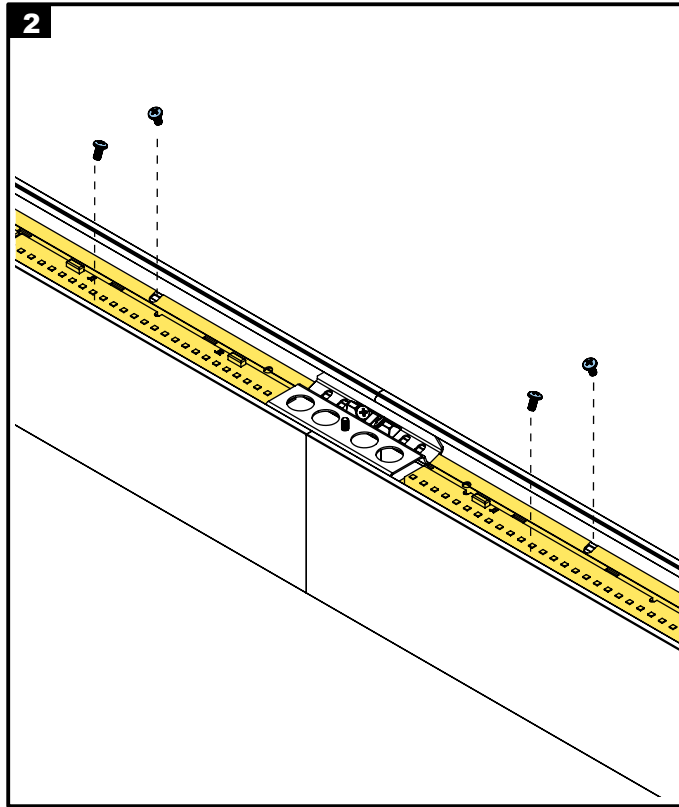
Wires used to power EMPACK.

NOTE: Cap the unused wire at the junction box.

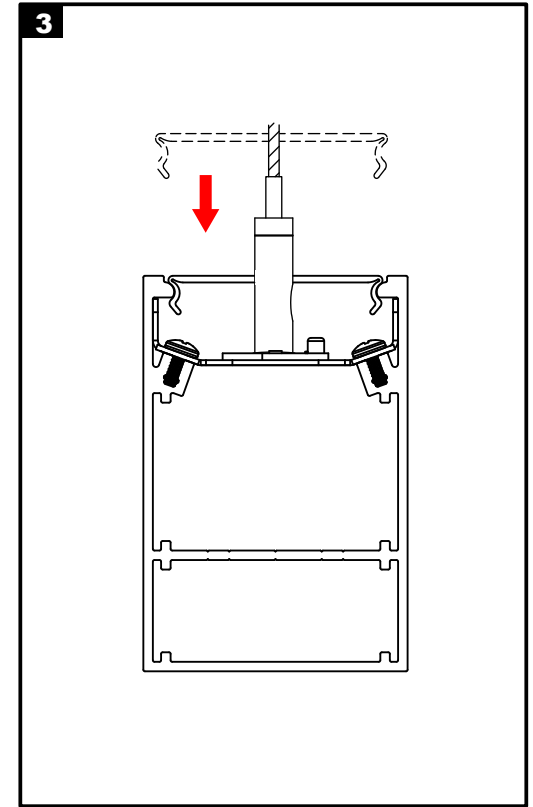
J. Close Fixtures



Insert reflectors into the housings.



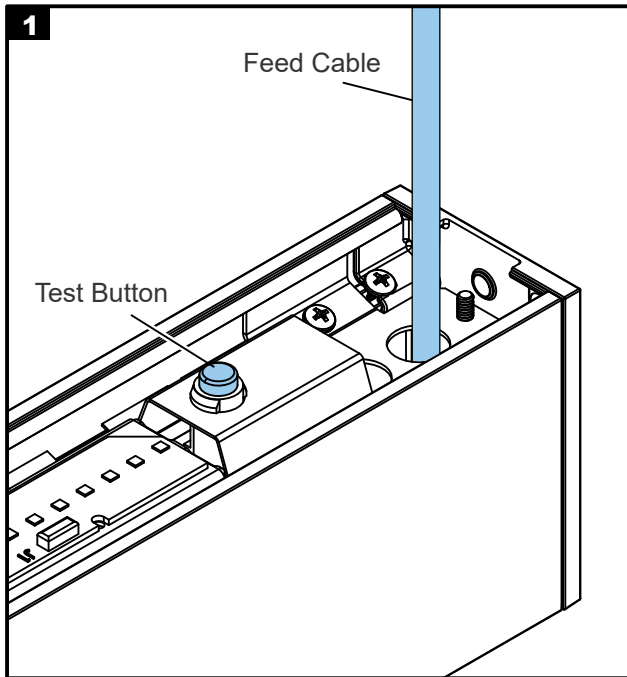
Secure reflectors with #8 screws.



Gently push dust cover (if presented) and snap it into the housing.

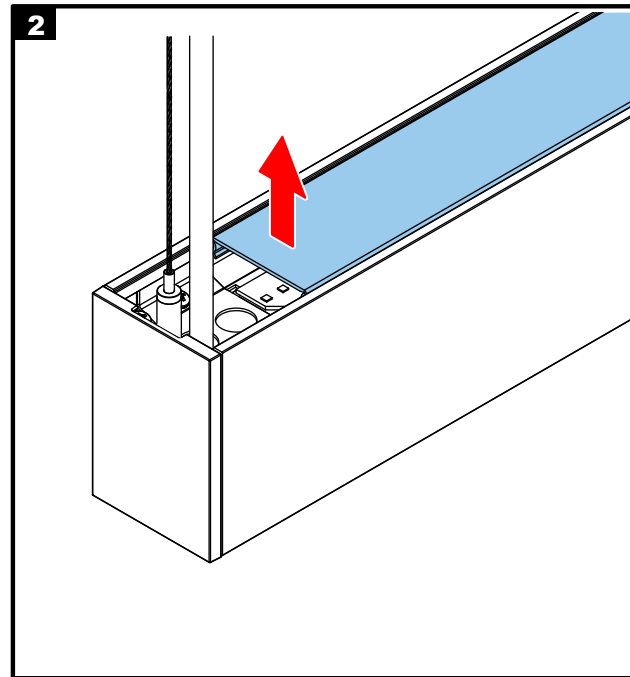
NOTE: Use two people when working with fixtures greater than 4 feet.

K. Supplemental



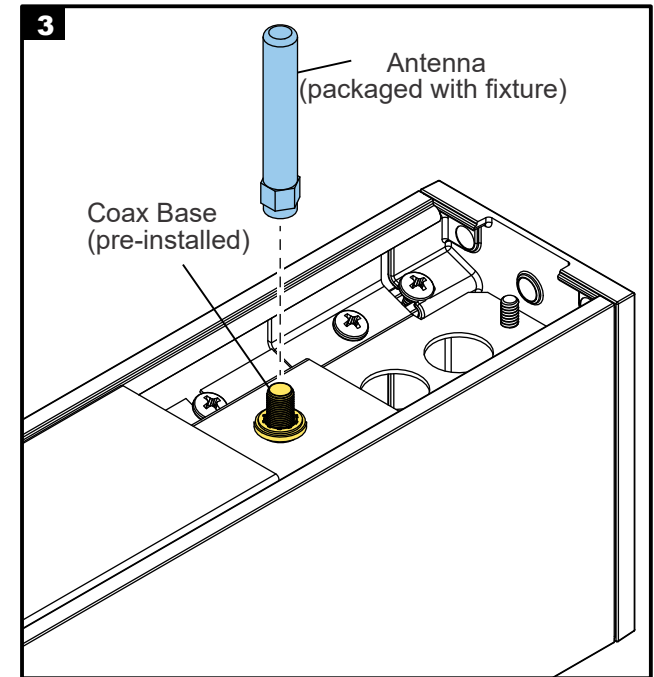
Battery Pack/Test Switch (E10WLCP):

- If battery pack option is selected (E10WLCP), then an un-switched normal hot is required for power and sensing.
- Standard battery drop is on the right side of the section with the battery. See above diagram for location of test button.



Dust Cover Removal (DC/DCF):

To remove, lift dust cover.



nLight AIR

NOTE:

Install antenna on coax cable.

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L. Contractor's Resources

Check out helpful programs, tools, installation videos and more.

