

KT-LALEDXXPS-YA-8CSF-VDIM

LED LINEAR PENDANT FIXTURE

INSTALLATION INSTRUCTIONS

PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before installation and use.

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

SAFETY AND ELECTRICAL PARAMETERS

WARNING

- To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and/or the fixture box and fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.
- If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician. Please abide by all relevant country, regional, and local code requirements and regulations when installing this luminaire. Wiring must be in accordance with NEC and all applicable local codes.
- Do not make or alter any holes unnecessarily in an enclosure of wiring or electrical components during the installation.

WARNING

- Turn off electrical power at the fuse or circuit breaker box before wiring fixture to the building power.
- Turn off the electrical power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information. Do not install with supply voltage that exceeds the rated input voltage of the luminaire.
- All wiring connections should be capped with UL approved wire connectors.

CAUTION

- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy/recycle packaging material, as these may be hazardous to children.
- Risk of Burn. Disconnect power and allow fixture to cool before handling/servicing.
- DO NOT mount or support this fixture in a manner that can cut the outer jacket or damage wire insulation.
- DO NOT touch or clean individual LEDs or other electrical components as this can cause Electrostatic Discharge (ESD), damage the fixture, shorten fixture's life, or alter performance. Personal grounding equipment must be worn during all installation or servicing of the unit.
- 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. NEVER connect an LED product directly to a dimmer pack that has not been pre-approved. LED fixtures must be powered directly off a switched circuit.
- DO NOT restrict fixture ventilation and allow some volume of airspace around fixture.
- DO NOT cover fixture with insulation, foam or other material that will prevent convection or conduction cooling.
- LED products are Polarity Sensitive. Ensure proper Polarity before installation.

NOTICE

- All fixture installs must be properly grounded.
- Minimum of 90C supply conductors.
- Specifications and dimensions subject to change without notice. Consult Keystone with any questions or concerns.
- Ensure ambient operating temperature between -20°C/-4°F to 40°C/104°F is maintained. Exceeding these temperature ranges will void warranty and may reduce lifetime or cause performance issues.
- Inspect fixture for any damages before installing. If there is any damage, please do not install and contact Keystone or authorized distributor for resolution.
- Suitable for dry and damp locations only.
- Total connected load is < 420W at 120V and < 960W at 277V.

PRODUCT SPECIFICATIONS

Keystone Catalog Number	Nominal Size	Nominal Power	Input Voltage
KT-LALED20PS-2A-8CSF-VDIM-X	2'	20/15/12	120-277V
KT-LALED30PS-3A-8CSF-VDIM-X	3'	30/23/18	120-277V
KT-LALED40PS-4A-8CSF-VDIM-X	4'	40/30/25	120-277V
KT-LALED80PS-8A-8CSF-VDIM-X	8'	80/60/50	120-277V

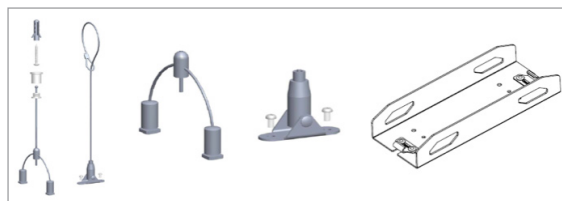
Caution: Before installing, make certain that AC power to the fixture is off.

Caution: The electrical rating of this product is 120-277V. Installer must confirm that there is 120-277V at the fixture before installation.

GETTING STARTED

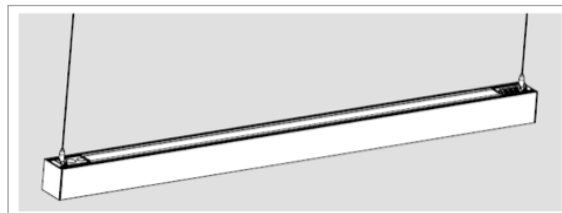
EACH FIXTURE COMES WITH:

- (1) Fixture Body
- (1) Standard Aircraft Cable Hnaging Kit (use as desired):
 - (2) 15' aircraft cables with tapped base coupler and hardware (for surface mount)
 - (2) 15' aircraft cables with looped end
 - (2) Fixed aircraft cable grippers
 - (2) Adjustable "Y" cable grippers
- (1) Fixture Linking Bracket (not used for single fixture installs)

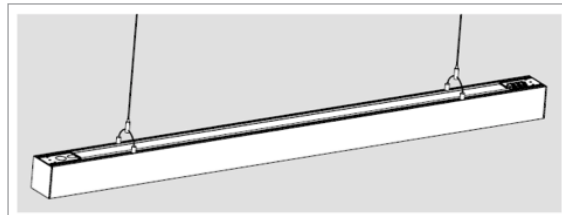


FIXTURE HANGING OPTIONS

- Hang using fixed aircraft cable grippers



- Hang using adjustable "Y" cable grippers



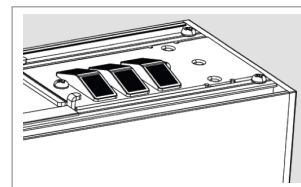
POWER SELECT (WATTAGE) / COLOR SELECT (CCT) / DIRECTIONAL ADJUSTMENT

This fixture is equipped with (3) field-adjustable settings.

- Ensure power is off to the fixture.
- Adjust switches to desired settings.
- Restore power to fixture.

SELECTABLE SETTINGS

- Keystone Power Select Technology:**
Select between 3 different wattage settings per fixture.
- Keystone Color Select Technology:**
Select between 5 different CCT settings per fixture (2700K, 3000K, 3500K, 4000K, 5000K).
- Lighting Mode:**
Select between 3 different settings per fixture (100 down, 70% down / 30% up, 50% down / 50% up)



INSTALLATION INSTRUCTIONS

PENDANT MOUNT (Shown for Reference) *Note:* for Surface, Wall, and Recessed Mounting, please refer to the instructions that come with the respective mounting kits.

1. Shut off power at the source into which you are installing fixture.

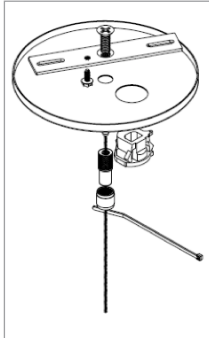
Review ceiling setup requirements and ensure proper hanging hardware will be used for the intended installation.

Each fixture requires (1) Feed Kit and (1) Non-Feed Kit. (Runs of multiple fixtures require (1) Feed Kit and (1) Non-Feed Kit per connected fixture (Maximum of 7 fixtures linked end-to-end per power feed.)

Different non-feed kits are available for different ceiling types. Select the proper non-feed kit according to installation requirements: stud / hard ceiling, T-grid ceiling, masonry ceilings. (For simple loop-end mounting around trusses, the hardware kit included with each fixture will work without the need for a separate pendant mount non-feed kit.)

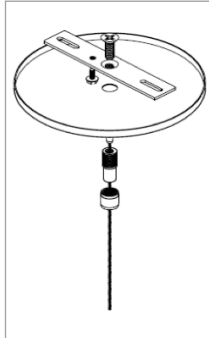
FEED KIT EXAMPLE

KT-LALED-5CC-1-F-KIT

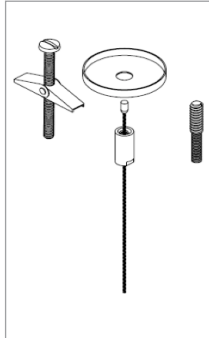


NON-FEED KIT EXAMPLES

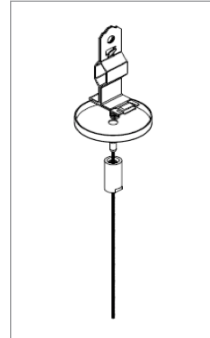
KT-LALED-5CC-1-NF-KIT



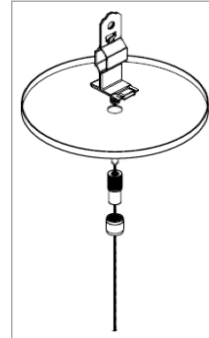
KT-LALED-2CC-1-NF-KIT



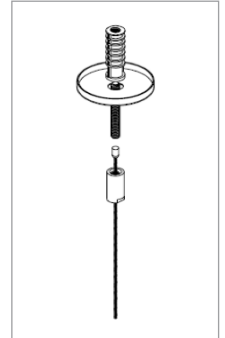
KT-LALED-2CC-2-NF-KIT



KT-LALED-5CC-2-NF-KIT



KT-LALED-2CC-3-NF-KIT



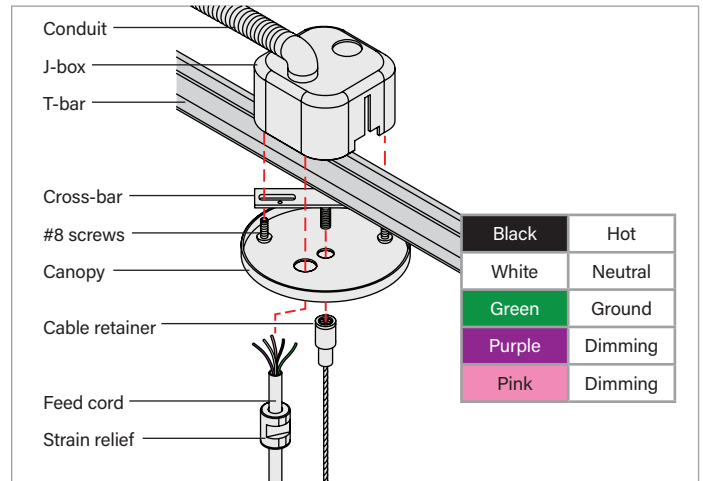
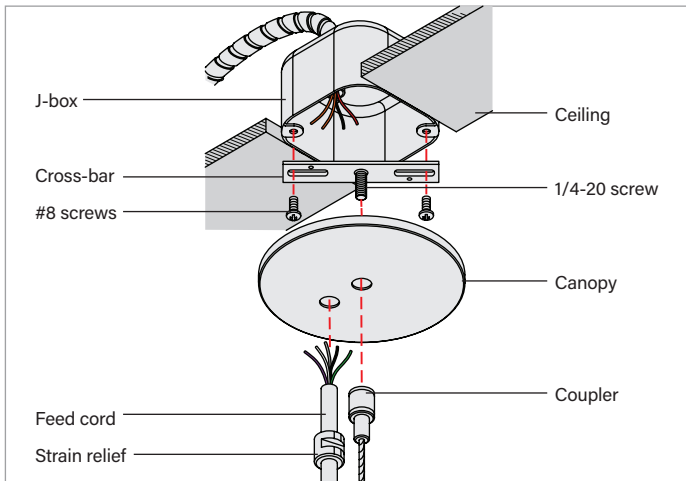
2. Install J-Box (not included) into the ceiling, ensuring that bottom edge is flush with the ceiling. Connect the metal conduit from building power to the J-Box.

3. Mount the cross-bar (see below) to the J-Box using (2) #8 screws and ensure it is secure to the J-box.

4. Insert strain relief around the feed cord. Cut and strip the feed cord to desired length according to final intended suspension length. (Note: Be sure to leave extra for adjustments as needed.)

5. Pass the feed cord through the hole in the canopy cover and make wiring connections inside the J-Box. Cover the J-box with the canopy cover, ensuring that it is flush with ceiling. Thread the coupler onto the crossbar screw to secure tightly.

Note: Keystone KT-LALED-5CC-1-F-KIT feed kit includes a 2-piece cable coupler, allowing the fixture to remain hanging from the ceiling while allowing the canopy cover to be dripped down for wiring access.

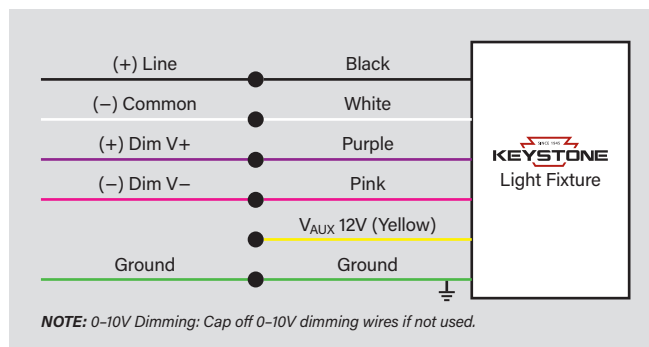


CAUTION
RISK OF
ELECTRICAL SHOCK

- Disconnect power before insulating or servicing.
- All electrical work should be completed by qualified personnel and meet national (NEC), regional, and local electrical codes.

Wiring Diagram

Electrical System	Color	Description
Standard	Black/Brown	Hot/Line
	White/Blue	Neutral/Common
	Green/Yellow	Ground
0-10V Dimming System (if any)	Purple	Dim (+)
	Pink	Dim (-)

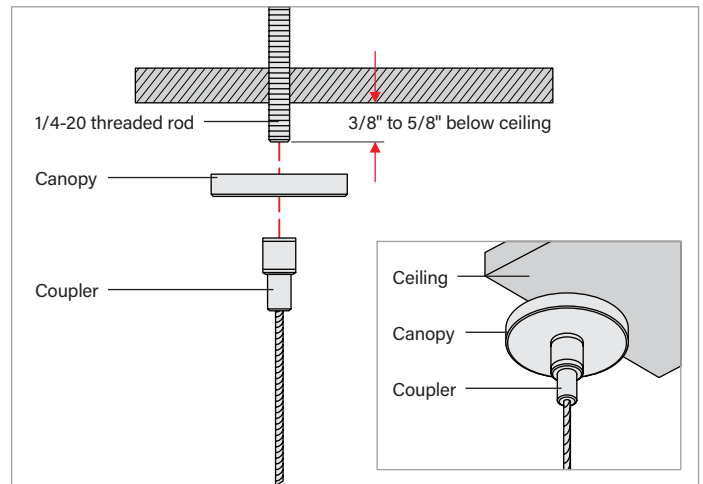
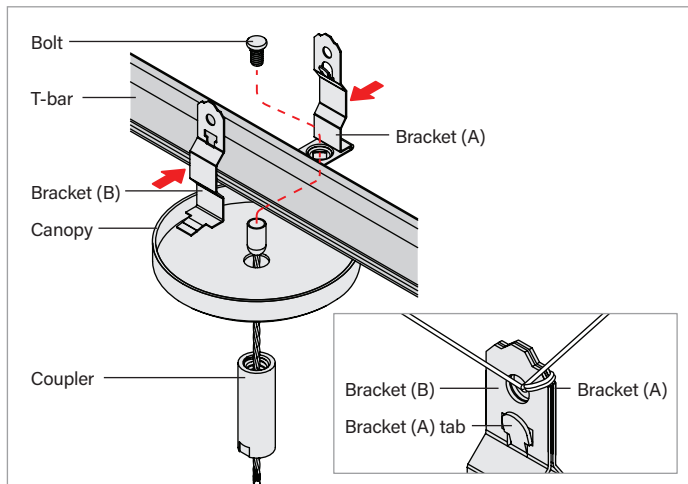


(Installation Instructions continue on next page)

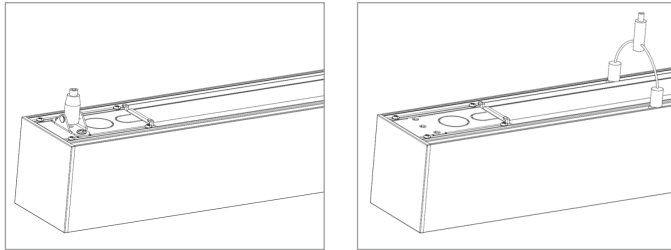
INSTALLATION INSTRUCTIONS (continued)**PENDANT MOUNT (continued)**

6. Determine location for subsequent non-feed mounting locations and install as needed according to the site requirements.

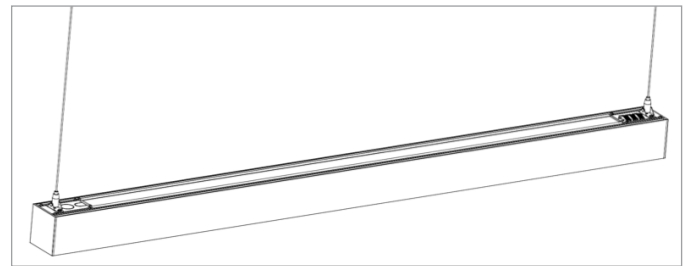
Note: T-grid and surface / stud mount shown for reference.



7. Mount the cable grippers to the fixture(s). Each fixture includes fixed cable grippers or adjustable (Y) grippers. Choose according to site preferences.

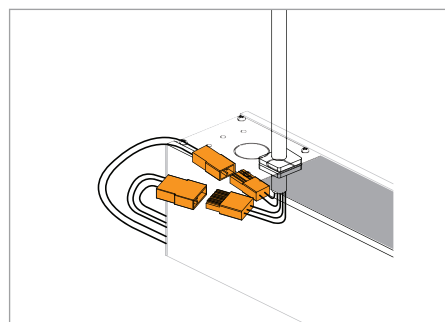
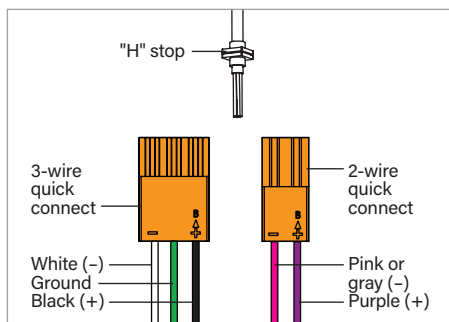
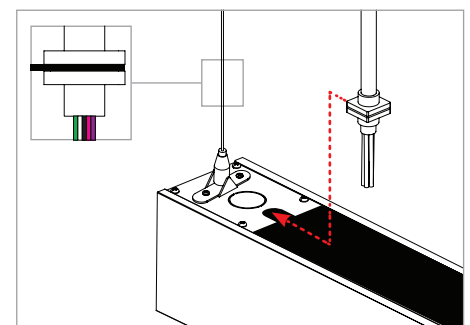
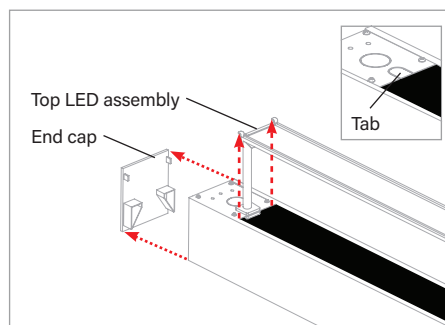
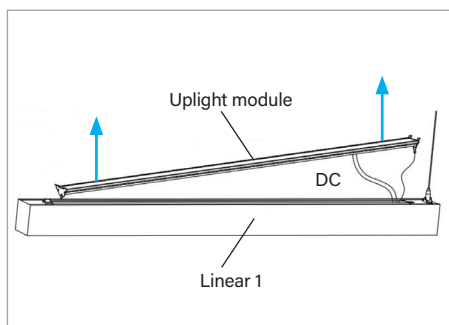


8. Insert the aircraft cable into the gripper on each end of the fixture. Adjust the cable up or down by pushing down on the upper lock cylinder. Once required length is achieved, allow the lock cylinder to spring back up. Trim any excess cable. The fixture should now be hanging from ceiling, level and ready for power feed connections.



9. Remove the end cap, the upward facing LED assembly, and input wiring tab from fixture on the power feed side. Slide power cord "H" stop into tab knockout opening. Connect power cord to fixture input wiring via supplied quick connects.

Note: If using power cord other than Keystone KT-CS-NP-10-18/5-W /LA which comes with H-stops and quick connects for fixture connections, please use available 1/2" KO for fixture access and remove fixture quick-connects for hardwire connections via suitable wire nuts (not included).



10. Re-insert the upward facing LED assembly, ensuring it snaps back into place without pinching any safety cables or wiring. Adjust Wattage, CCT, and directional switches as needed. Restore power to fixture.

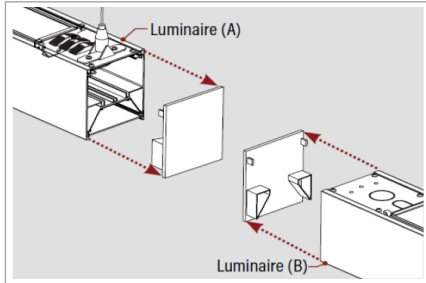
OPTIONAL LINKING FIXTURES

EASY LINKABLE FUNCTION

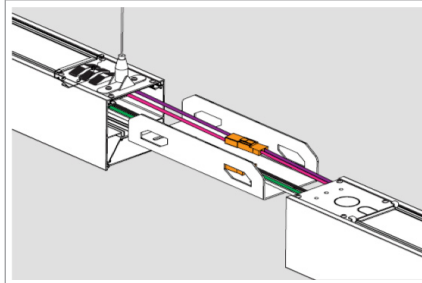
These fixtures are designed to be easily linkable / daisy chained in any variety of lengths, so long as the total connected load (per power feed) does not exceed the following conditions:

- (7) fixtures max;
- Total connected load is < 420W at 120V and < 960W at 277V.

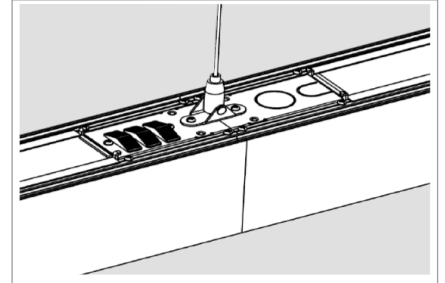
1. Remove end caps and open the top side of the fixture.



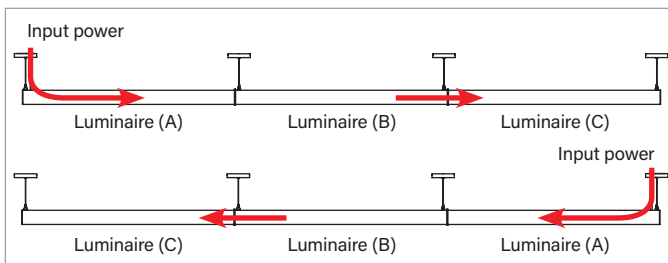
2. Insert linking bracket, connect wiring via included quick-connects, slide fixture together, and fasten bracket with included buckles.



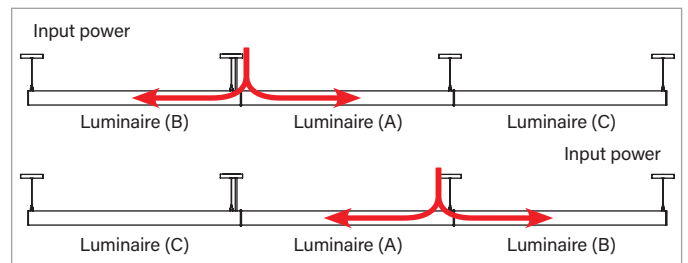
3. install suitable suspension hardware — (1) fixed aircraft cable gripper bridged across the fixture seam is recommended.



Single Direction



Multi-Direction

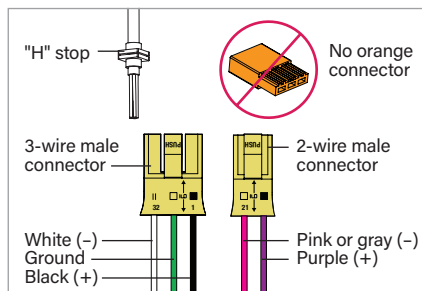


Multi-direction wiring requires use of wiring harness accessory KT-LALED-WH-MD-KIT (sold separately).

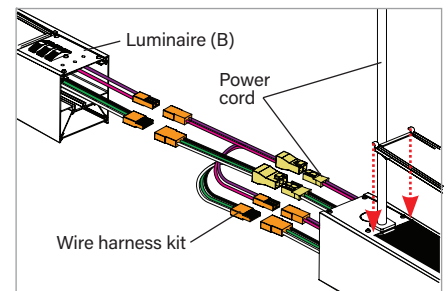
MULTI-DIRECTION WIRING METHOD

1. Connect power cord to 3-wire male and 2-wire male yellow quick-connects provided with wire harness kit KT-LALED-WH-MD-KIT (sold separately).

Note: Remove existing orange quick connects as needed if using power cord KT-KT-CS-NP-10-18/5-W /LA.



2. Mount and wire fixtures, being sure to utilize KT-LALED-WH-MD-KIT wiring harness connections on power feed end of fixture (A) and switch side of fixture B.

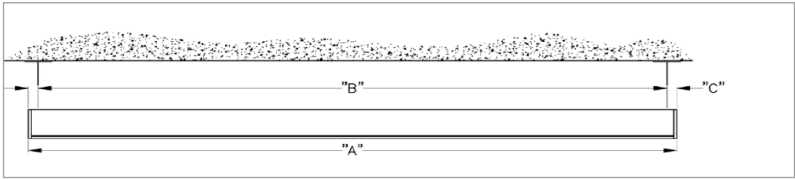


(Optional Linking Fixtures continue on next page)

OPTIONAL LINKING FIXTURES (continued)

MULTIPLE FIXTURE SPACING GUIDELINES

When installing multiple fixtures please refer the below chart and guidelines for spacing of mounting points.

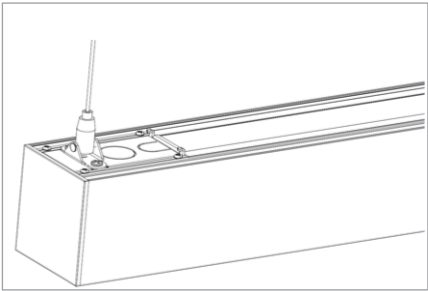


LENGTH	OVERALL LENGTH (WITH ENDCAPS)		FIXED MOUNT LENGTH		FIXED MOUNT TO END CAP LENGTH		OVERALL LENGTH (WITHOUT ENDCAPS)	
	A		B		C		D	
	mm	inches	mm	inches	mm	inches	mm	inches
2'	606	23.86	564	22.20	21	0.83	600	24
3'	906	35.67	864	34.02	21	0.83	900	35
4'	1206	47.48	1164	45.83	21	0.83	1200	47
8'	2406	94.72	2364	93.07	21	0.83	2400	95

For Linkable end-to-end mounting with fixed cable grippers:

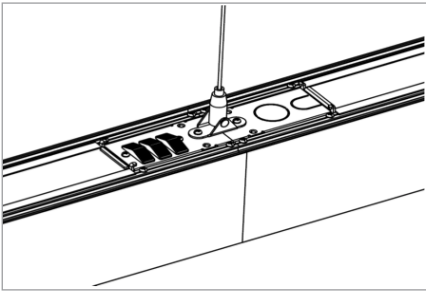
1. First Fixture:

Use cable gripper mounted in standard configuration on first desired mounting point (see below).
Determine second mounting point position by adding Dimension B + 18mm/0.71" for cable gripper mounted in bridge.



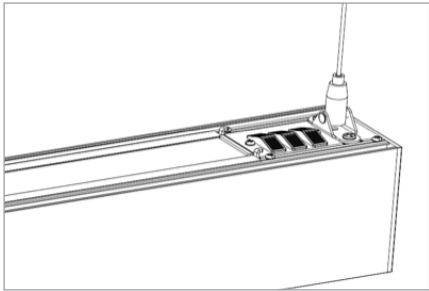
2. Interior Fixtures:

Use cable grippers, bridged across each fixture according to spacing determined in Dimension D (see below).



3. Last Fixture:

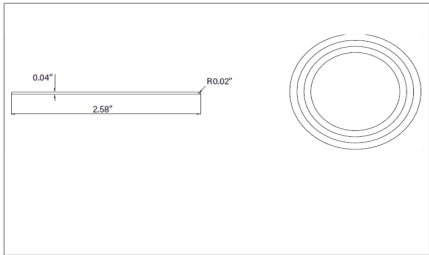
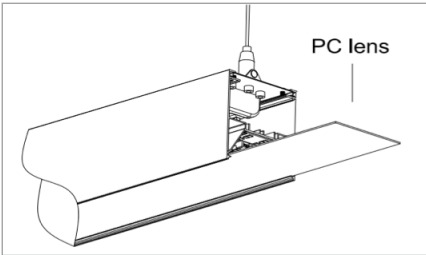
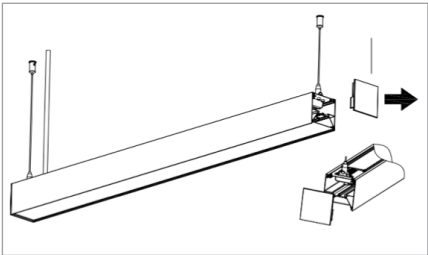
Use cable gripper mounted in standard configuration on last desired mounting point (see below).
Determine last mounting point position by adding Dimension B + 18mm/0.71".



OPTIONAL SINGLE PIECE LENS

When installing mutiple fixtures linked end-to-end, there is an option to use a single lens to cover a fixture run of up to 32'. For lengths shorter then 32', the lens can easily be cut to length in the field.

1. Remove existing fixtures lenses, and replace with a single lens, KT-LALED-A-32S-LENS-KIT (sold separately). Cut to length as needed, slide into place, and re-install fixture end cap.



ALTERNATIVE MOUNTING OPTIONS

Fixtures can be surface mounted, wall mounted, or recessed mounted, when installed with suitable accessories.

Keystone Catalog Number	Description	Housing Color
Surface Mount Kits		
KT-LALED-2A-SM-KIT	Surface Mounting Kit for 2' Fixtures	White
KT-LALED-2A-SM-KIT-B	Surface Mounting Kit for 2' Fixtures	Black
KT-LALED-3A-SM-KIT	Surface Mounting Kit for 3' Fixtures	White
KT-LALED-3A-SM-KIT-B	Surface Mounting Kit for 3' Fixtures	Black
KT-LALED-4A-SM-KIT	Surface Mounting Kit for 4' Fixtures	White
KT-LALED-4A-SM-KIT-B	Surface Mounting Kit for 4' Fixtures	Black
KT-LALED-8A-SM-KIT	Surface Mounting Kit for 8' Fixtures	White
KT-LALED-8A-SM-KIT-B	Surface Mounting Kit for 8' Fixtures	Black
Recessed Mount Kits		
KT-LALED-2A-RM-KIT	Recessed Mounting Kit for 2' Fixtures	White
KT-LALED-2A-RM-KIT-B	Recessed Mounting Kit for 2' Fixtures	Black
KT-LALED-3A-RM-KIT	Recessed Mounting Kit for 3' Fixtures	White
KT-LALED-3A-RM-KIT-B	Recessed Mounting Kit for 3' Fixtures	Black
KT-LALED-4A-RM-KIT	Recessed Mounting Kit for 4' Fixtures	White
KT-LALED-4A-RM-KIT-B	Recessed Mounting Kit for 4' Fixtures	Black
KT-LALED-8A-RM-KIT	Recessed Mounting Kit for 8' Fixtures	White
KT-LALED-8A-RM-KIT-B	Recessed Mounting Kit for 8' Fixtures	Black
Wall Mount Kits		
KT-LALED-2A-WM-KIT	Wall Mounting Kit for 2' Fixtures	White
KT-LALED-2A-WM-KIT-B	Wall Mounting Kit for 2' Fixtures	Black
KT-LALED-3A-WM-KIT	Wall Mounting Kit for 3' Fixtures	White
KT-LALED-3A-WM-KIT-B	Wall Mounting Kit for 3' Fixtures	Black
KT-LALED-4A-WM-KIT	Wall Mounting Kit for 4' Fixtures	White
KT-LALED-4A-WM-KIT-B	Wall Mounting Kit for 4' Fixtures	Black
KT-LALED-8A-WM-KIT	Wall Mounting Kit for 8' Fixtures	White
KT-LALED-8A-WM-KIT-B	Wall Mounting Kit for 8' Fixtures	Black

Please refer to installation instructions included with each accessory for proper installation guidance.

PRODUCT SPECIFICATIONS

ORDER CODE	PACK QTY.	UPC	Easy Code
KT-LALED20PS-2A-8CSF-VDIM	1	843654156729	OLD-23
KT-LALED20PS-2A-8CSF-VDIM-B	1	843654161389	OIG-02
KT-LALED20PS-2A-8CSF-VDIM-S	1	843654169736	UTQ-13
KT-LALED30PS-3A-8CSF-VDIM	1	843654156736	OTA-53
KT-LALED30PS-3A-8CSF-VDIM-B	1	843654161396	UHH-97
KT-LALED30PS-3A-8CSF-VDIM-S	1	843654169743	ZRQ-86
KT-LALED40PS-4A-8CSF-VDIM	1	843654156743	TBO-54
KT-LALED40PS-4A-8CSF-VDIM-B	1	843654161402	HGE-33
KT-LALED40PS-4A-8CSF-VDIM-S	1	843654169750	HTA-17
KT-LALED80PS-8A-8CSF-VDIM	1	843654156750	ULO-92
KT-LALED80PS-8A-8CSF-VDIM-B	1	843654161419	KZB-70
KT-LALED80PS-8A-8CSF-VDIM-S	1	843654169767	LJM-16

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation, or maintenance.