

MaxLite® Linear Strip - LS3 Series



General Safety Information

- 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 on the fixture box and all 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.
- For Residential installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- **DO NOT INSTALL DAMAGED PRODUCT!**
- Suitable for Dry or Damp location



Picture is for illustration purposes only. Your model may vary.

WARNING:

RISK OF ELECTRICAL SHOCK

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- 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 and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.

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.
- Account for small parts and destroy packing material, as these may be hazardous to children.

CAUTION:

RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamp/lens.

NOTE: Green ground screw provided in proper location.

Do not relocate.

NOTE: Minimum 90° supply conductors.

NOTE: Specifications and dimensions subject to change without notice.

NOTE: Suitable for Dry or Damp location.

Models:

This instruction manual applies to the LS3 Series

Included in the box:

- LS3 Linear Strip Fixture
- V-Hooks
- Drywall anchor and screw
- Sensor Endcap
- Instructions

MaxLite® Linear Strip - LS3 Series



Setting Wattage & Color Temperature

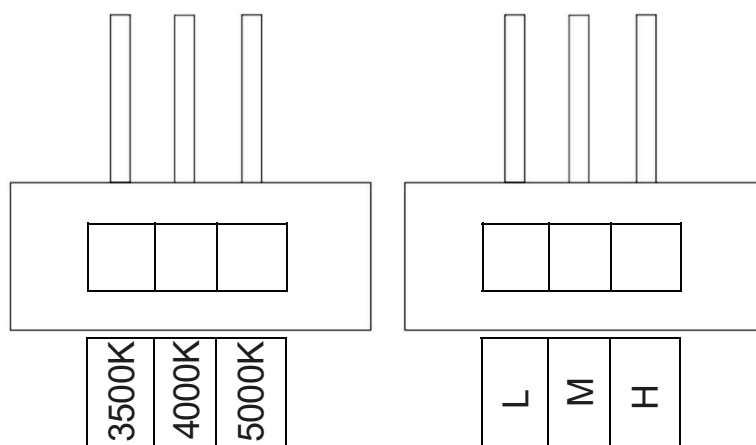
Note: Applicable to models ending in WCS only. Models are set to lowest wattage and 4000K.

Color settings:

Left, stands for 3500K;
Middle, stands for 4000K;
Right, stands for 5000K;

Wattage settings:

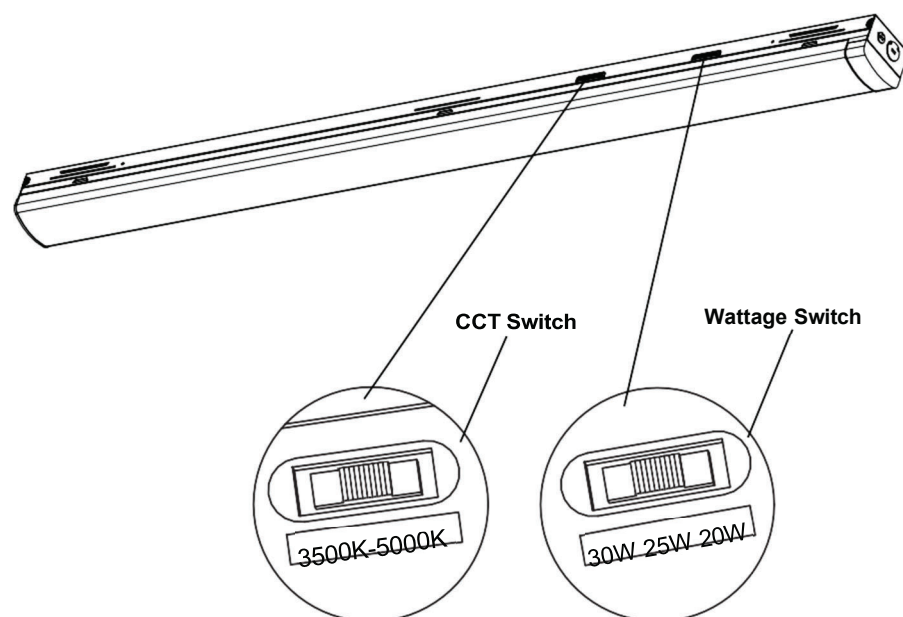
Left, stands for Low;
Middle, stands for Medium;
Right, stands for High;



Adjust the color temperature and lumen output using the two DIP switches. Each DIP switch has 3 options (left, middle and right), corresponding to 3 color temperatures and wattages. Use these switches to set desired color temperature and lumen output combination.

Factory Settings: 4000K, lowest wattage based on fixture.

1. DIP switches are located on the side of fixture.
2. Select a wattage and color temperature by sliding switch left or right respectively to the desired value.





MaxLite® Linear Strip - LS3 Series

General Wiring Diagram

CAUTION: Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

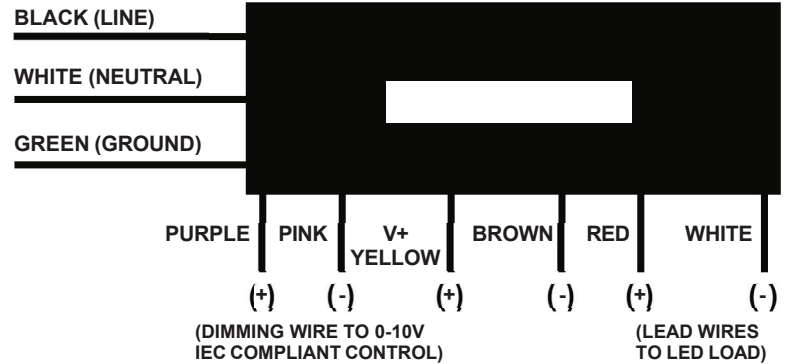
Input Rating: 120-277V 50/60 Hz

Black = Line

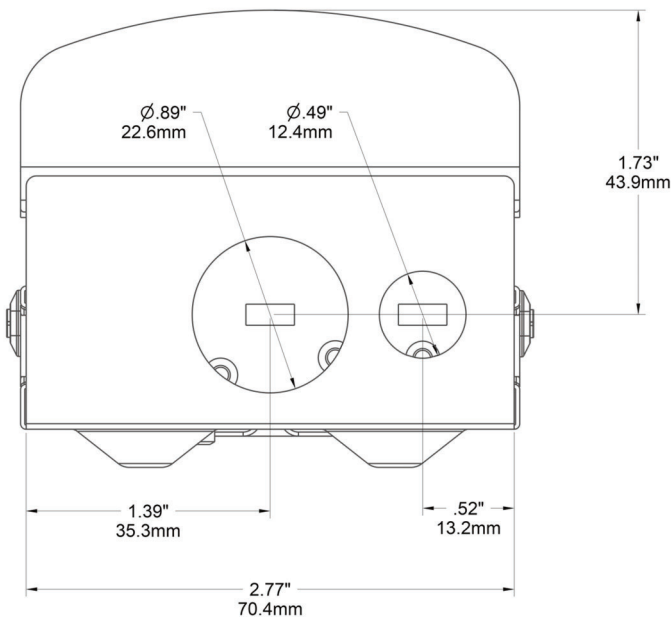
White = Neutral

Green = Ground

TO SOURCE
120V-277V



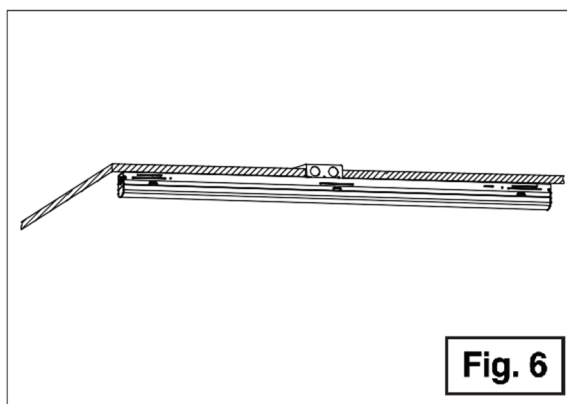
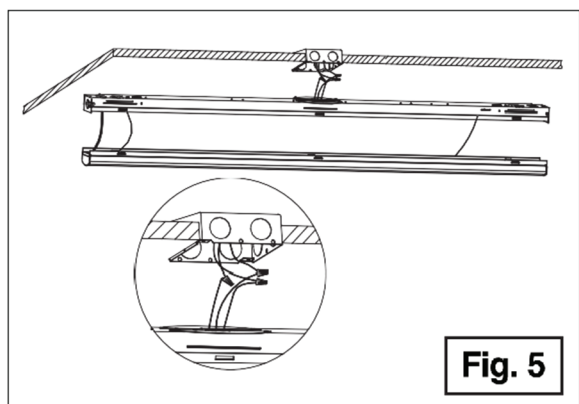
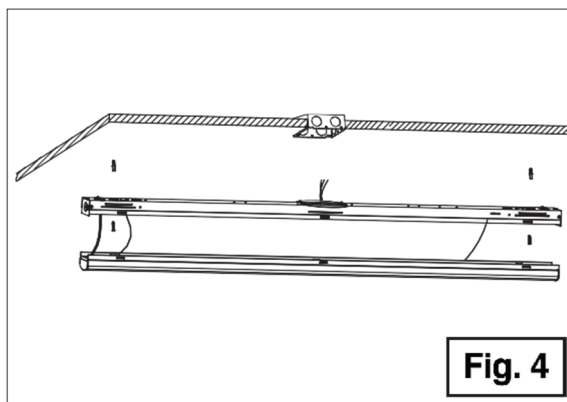
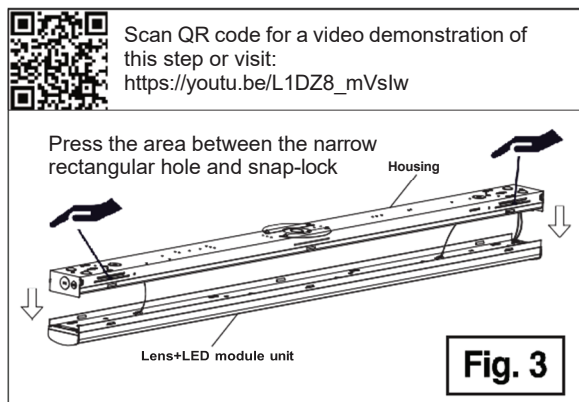
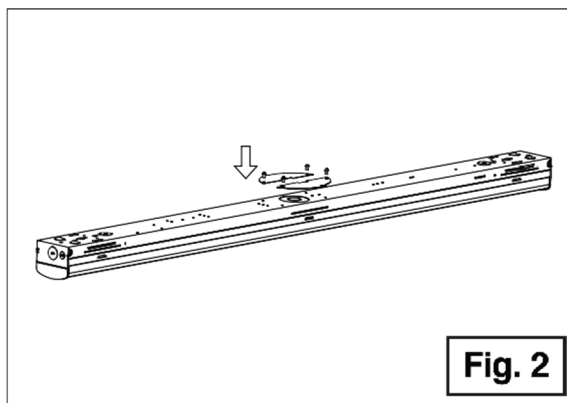
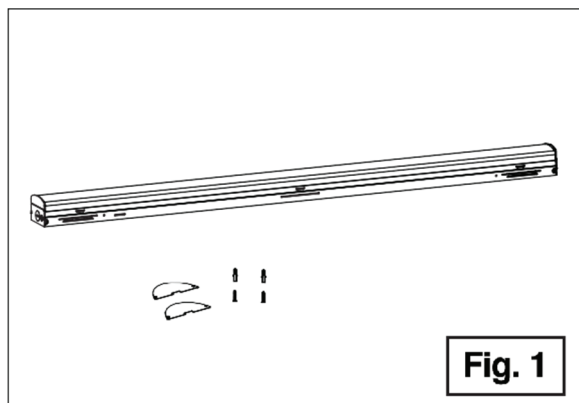
Knock-out Dimensions



MaxLite® Linear Strip - LS3 Series

Surface Mount Installation Instructions

1. Take out the light fixture and accessories from the box. (Fig. 1)
2. If needed, fix the J-Box cover plates on the fixture. (Fig. 2)
3. Remove the Lens+LED module unit from the housing as shown. (Fig. 3)
4. Mount the Fixture housing to the ceiling with the drywall anchors and screws. (Fig. 4)
5. Wire to the main power through the junction box. (Fig. 5)
6. Attach the Lens+LED module unit on to the housing. The installation is completed. (Fig. 6)



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Surface Mount Kit - LS3-SMK (Sold Separately)

Note: For this type of mounting, the Surface Mount Kit (LS3-SMK) needs to be purchased separately.

1. Take out the lighting fixture and accessories from the package box. Remove the KOs on end-cap before installation. **(Fig D)**.
2. Fix the J-box cover plate onto the back of the fixture with screws. **(Fig E)**.
3. Position on the ceiling, drill holes for the anchors, then secure the Surface Mount Kit clips with screws. **(Fig F)**.
4. Open the fixture body and make wirings refer to the Wiring diagram*. **(Fig G)**.
5. Reattach the luminous parts to the housing to complete the installation. **(Fig H)**.



J-box cover plate



Surface mount kit
(*sold separately)

FIG D

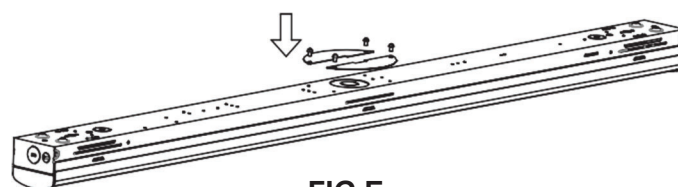


FIG E

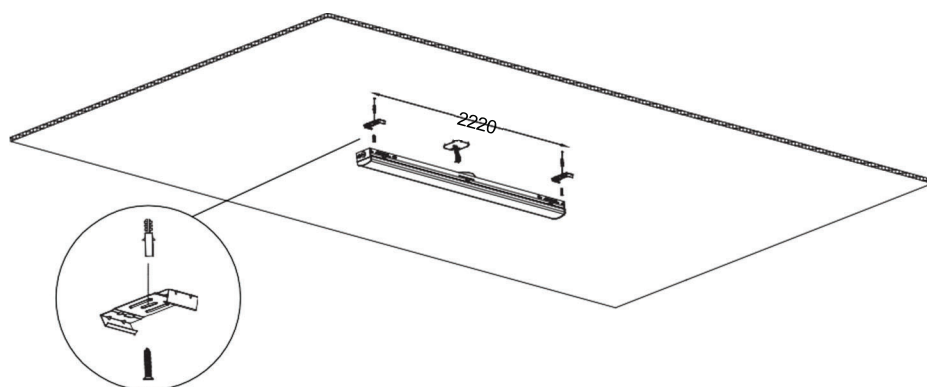


FIG F

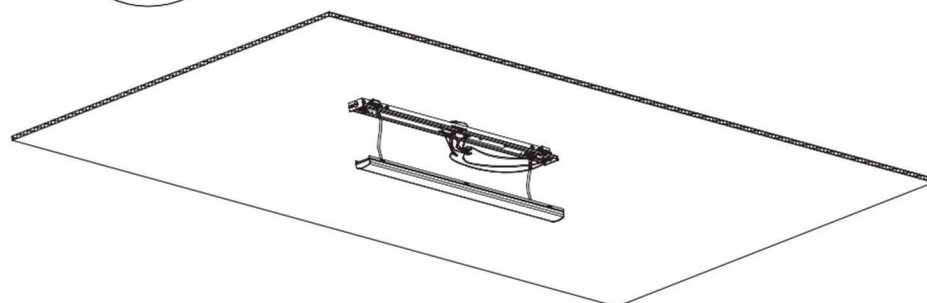


FIG G

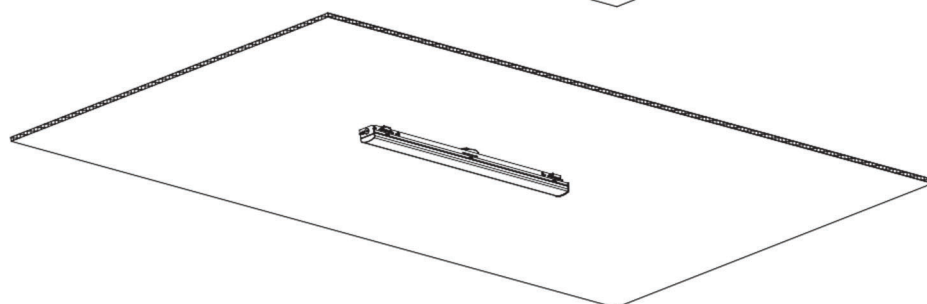
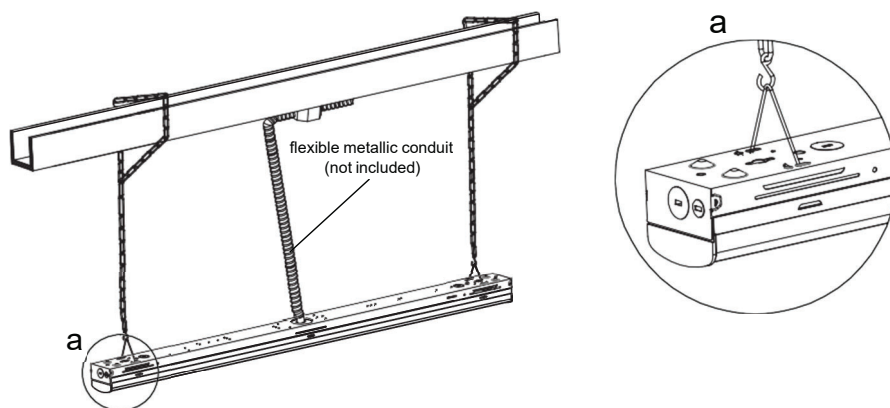


FIG H

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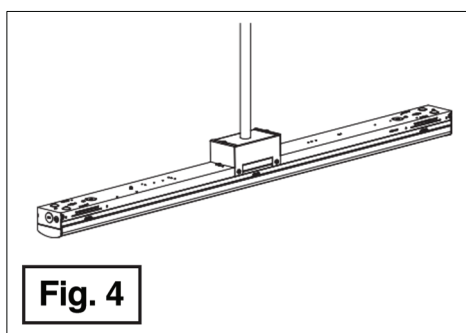
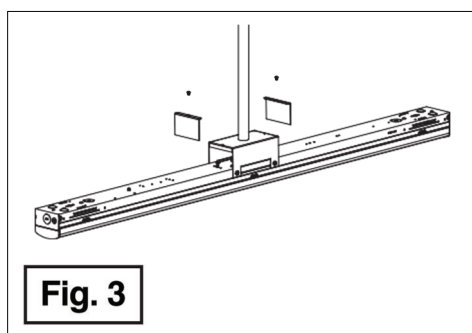
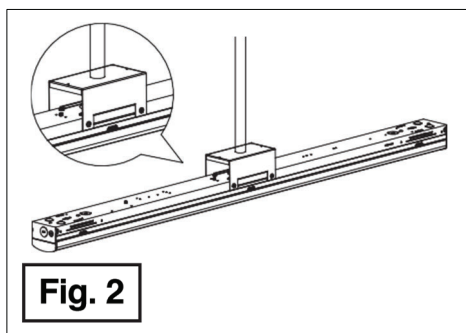
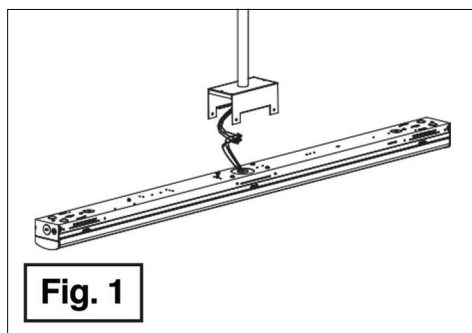
Chain Mounting Installation Instructions

1. Clip the brackets on to the slots of the fixture.
2. Attach V-Hooks to brackets.
3. Attach customer supplied chain to the V-hooks and mounting surface.



Pendant Mount Installation Instructions

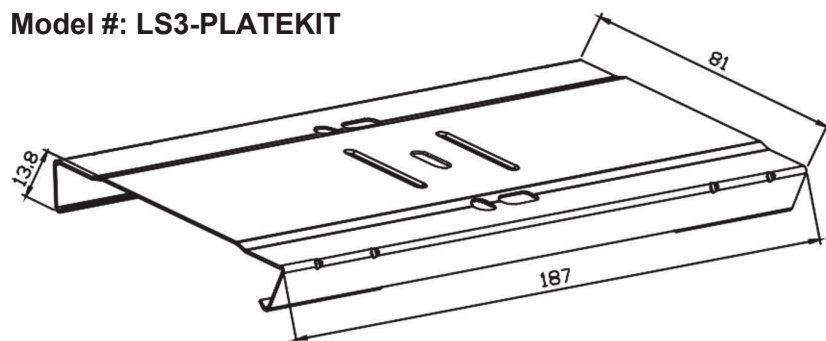
1. Install the Pendant box to the Pipe end and make wiring connection. (Fig. 1)
2. Secure the fixture to the Pendant box with screws. (Fig. 2)
3. Install the side-cover to the pendant box with screws. (Fig. 3)
4. Turn on circuit breaker and test the light. (Fig. 4)



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Linkable Plate Kit (Sold Separately)

Model #: LS3-PLATEKIT



Note: When two or more fixtures are mounted end on end as a continuous run, the fixtures need to be oriented in the same direction for the KO in the ends to align.

1. It is recommended to purchase CWHD-48W (sold separately) and CWHP-48W (sold separately) along with LS3-PLATEKIT
2. Use CWHD-48W and CWHP-48W to daisy chain. Maximum Luminaire length is 40 feet (10 pc. of 4ft fixture or 5 pc. of 8ft fixture)
3. For an 8' fixture, 2 pcs. each of CWHD-48W and CWHP-48W are required to accommodate the full fixture length

For example if A denotes the end with the sensor port, and B the other end, the fixtures need to be installed AB-AB-AB.

1. Position both fixtures so that knockouts are aligned. Pass the wire harness through the knockouts from one fixture to the next. (Fig A).
2. Once the fixtures are aligned, press the plate down. (Fig B).
3. Snap the plate to the notches on the side of the fixture to secure them together. (Fig C).

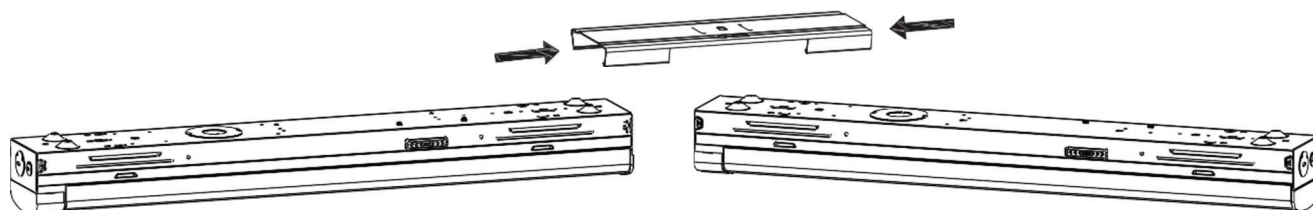


FIG A

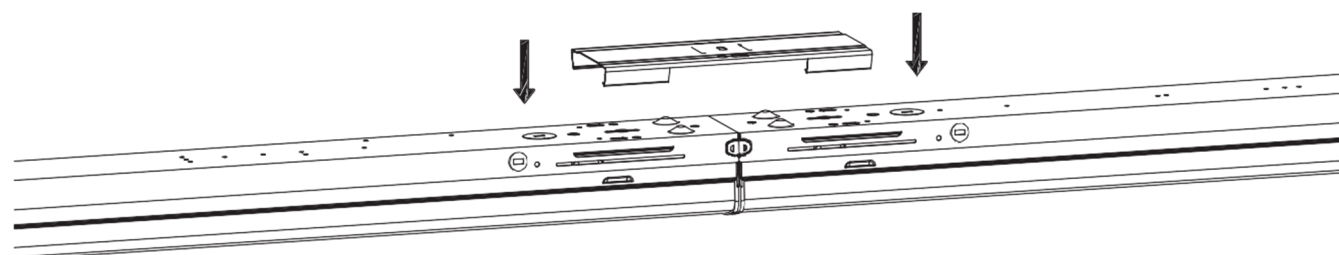


FIG B

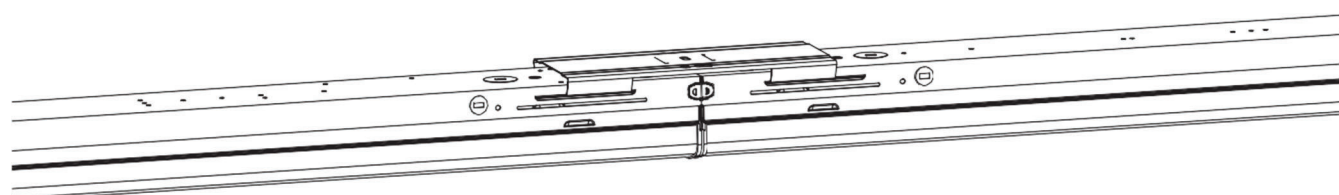


FIG C

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Connecting Plate Kit - Surface Mount in a Row (Sold Separately)

Note: For this type of mounting The Connecting Plate kit (LS3-PLATEKIT) and Surface mount kits (LS3-SMK) needs to be purchased separately.

1. Take out the lighting fixture and accessories from the package box. Remove the KOs on end-cap before installation. **(Fig D)**.
2. Fix the J-box cover plate onto the back of the fixture with screws. **(Fig E)**.
3. Position on the ceiling, drill holes for the anchors, then secure the Connecting plate and Surface Mount clips with screws. **(Fig F)**.
4. Open the fixture body and make wirings refer to the Wiring diagram*. **(Fig G)**.
5. Reattach the luminous parts to the housing to complete the installation. **(Fig H)**.

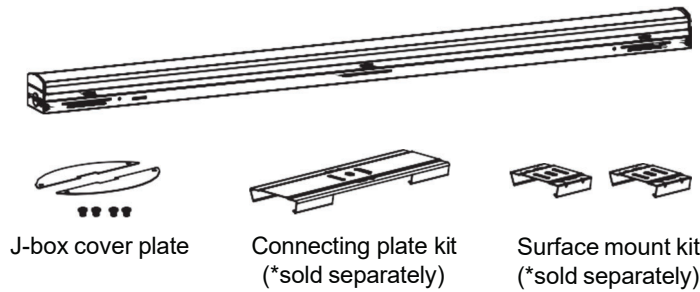


FIG D

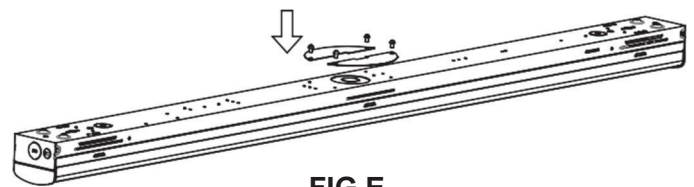


FIG E

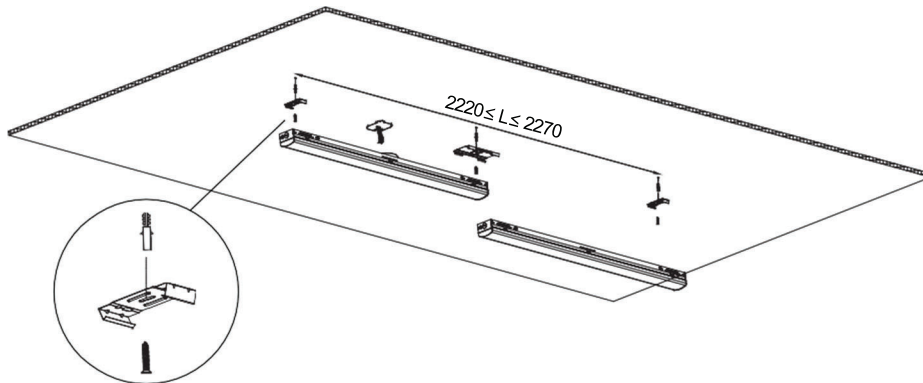


FIG F

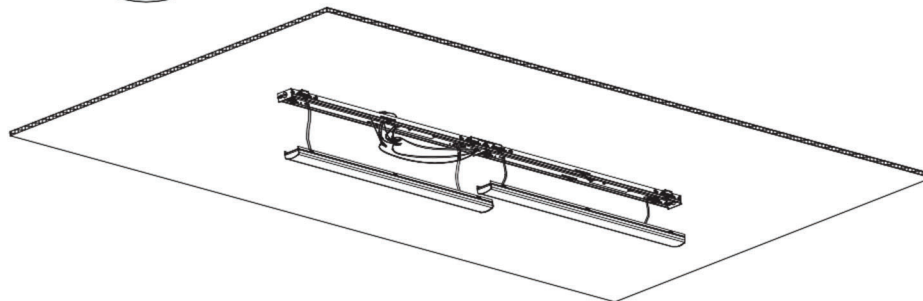


FIG G

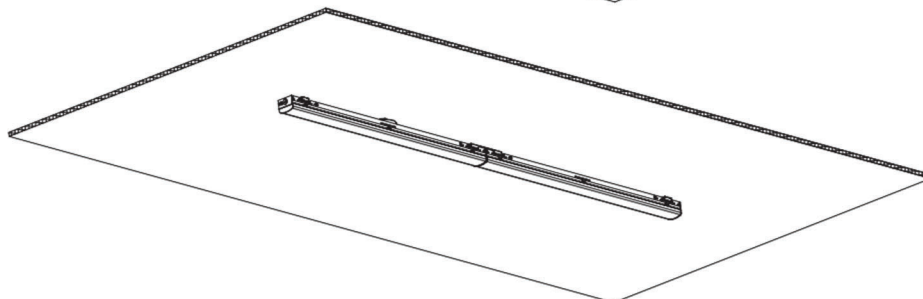


FIG H

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**Connecting Plate Kit - Suspension Mount in a Row (Sold Separately)**

Note: For this type of mounting The Connecting Plate kit (LS3-PLATEKIT) and suspending chains/cables needs to be purchased separately.

1. Take out the lighting fixture and accessories from the package box. Remove the KOs on end-cap before installation. **(Fig I)**.
2. Install the Connecting Plate and V-hooks to one of the fixtures. **(Fig J)**.
3. Attach chain to the V-hooks to hang the 1st fixture. Then snap the 2nd fixture into place to the Connecting Plate and hang it securely. **(Fig K)**.

Note: When using Connecting plate kit, a point of support is needed at the connecting plate (Fig K)

4. Fix the end of pipe to the outlet hole. Open the fixture body and connect the AC wires and dimming wires* refer to the Wiring diagram. **(Fig L)**.
5. Reattach the luminous parts to fixture housing to complete the installation. **(Fig M)**.

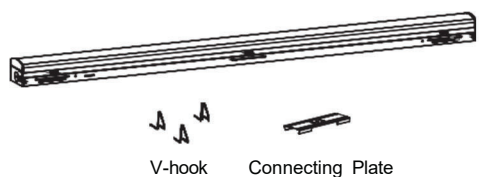


FIG I

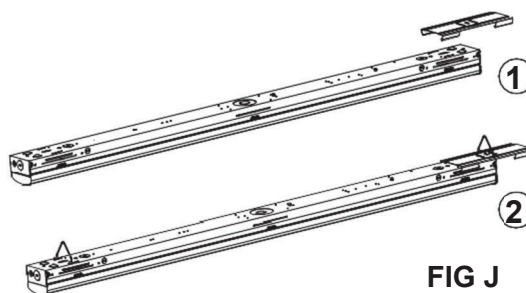


FIG J

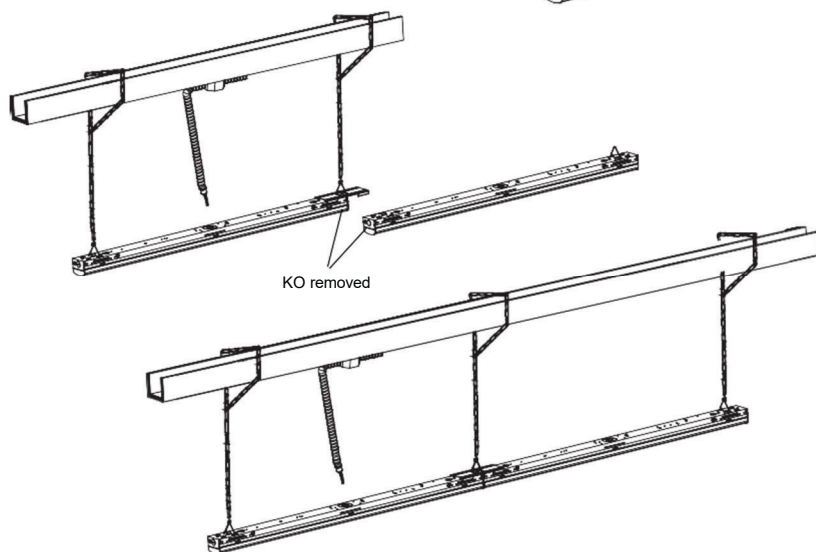


FIG K

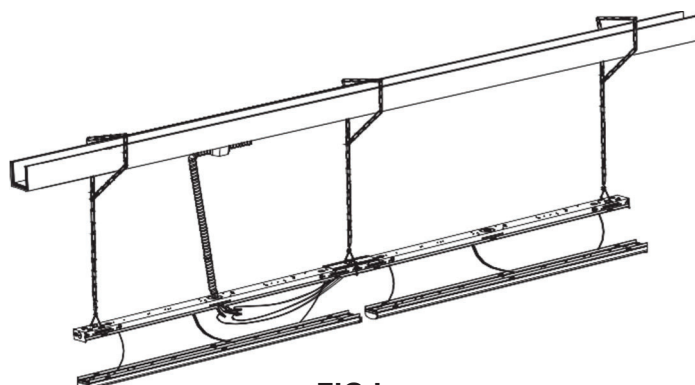


FIG L

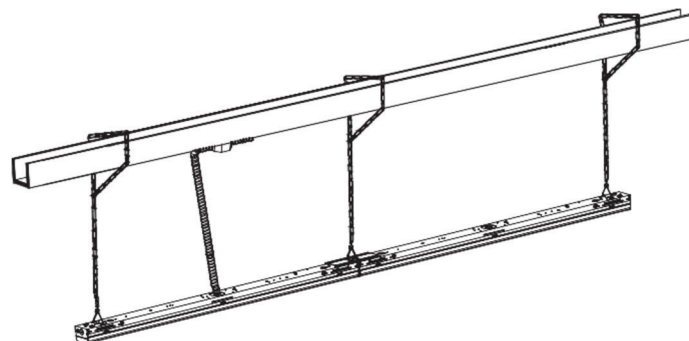


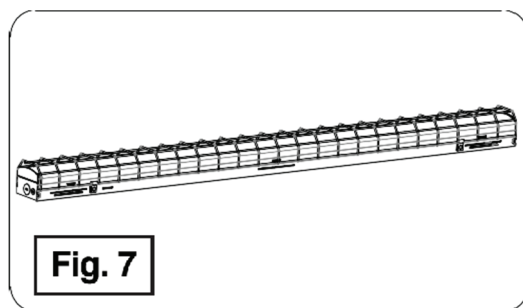
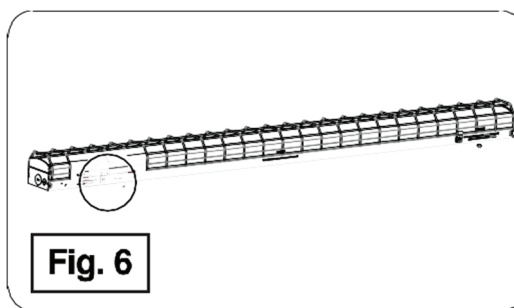
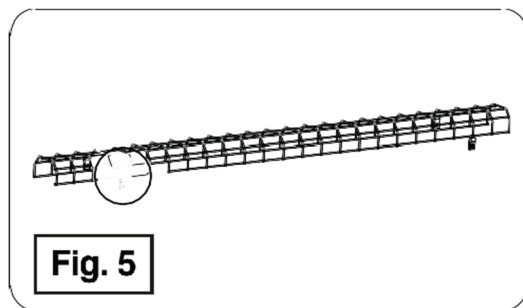
FIG M

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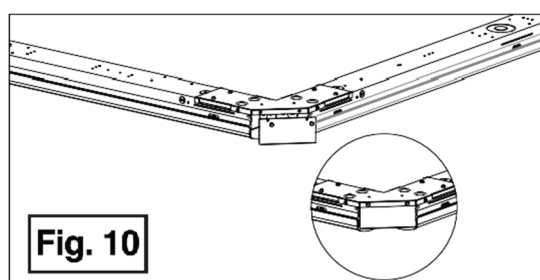
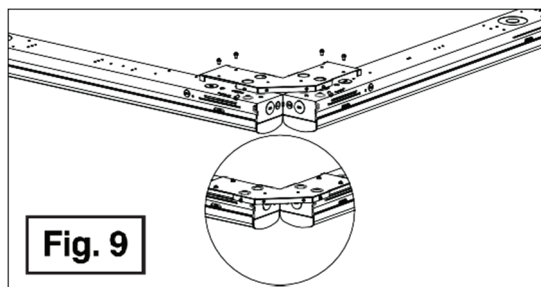
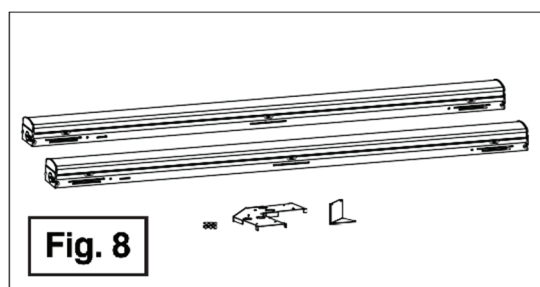
Wire Guard Installation Instructions

1. Insert the provided chips (4 pcs) onto the wire guard. (Fig. 5)
2. Fasten the chips by inserting screws into the prepunched holes of the fixture body. (Fig. 6)
3. Installation is completed. (Fig. 7)



Corner Bracket Installation Instructions

1. Take the light fixture and accessories out of the box. (Fig. 8)
2. Secure the interconnection bracket with screws. (Fig. 9)
3. Secure the interconnection endcover with screws. (Fig. 10)

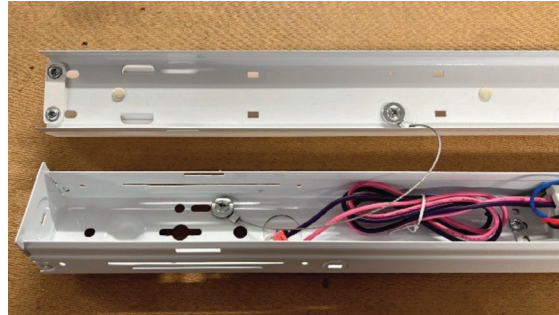


MaxLite® Linear Strip - LS3 Series**1/2" to 1/4" Reducer Installation**

1. Locate side knock out.



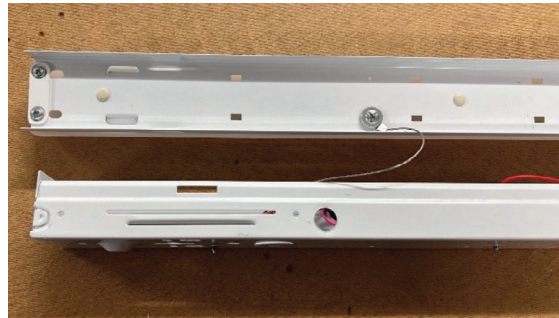
2. Open up fixture.



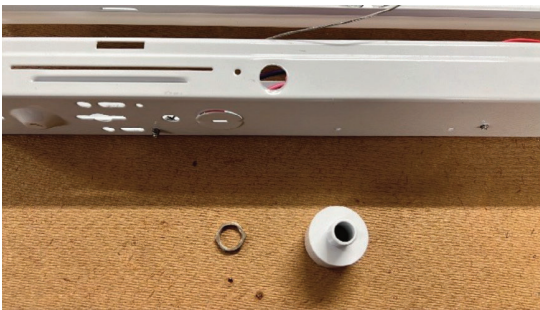
3. Remove knock out by using a screwdriver.



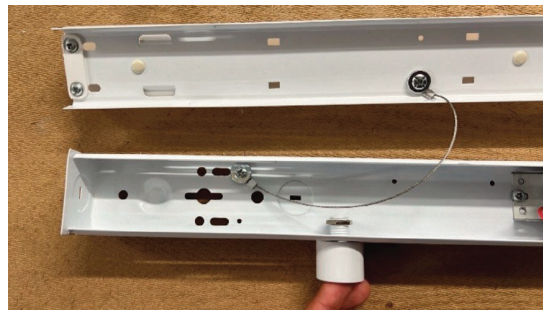
4. Make sure to knock out is fully removed.



5. Gather parts, reducer and securing nut.



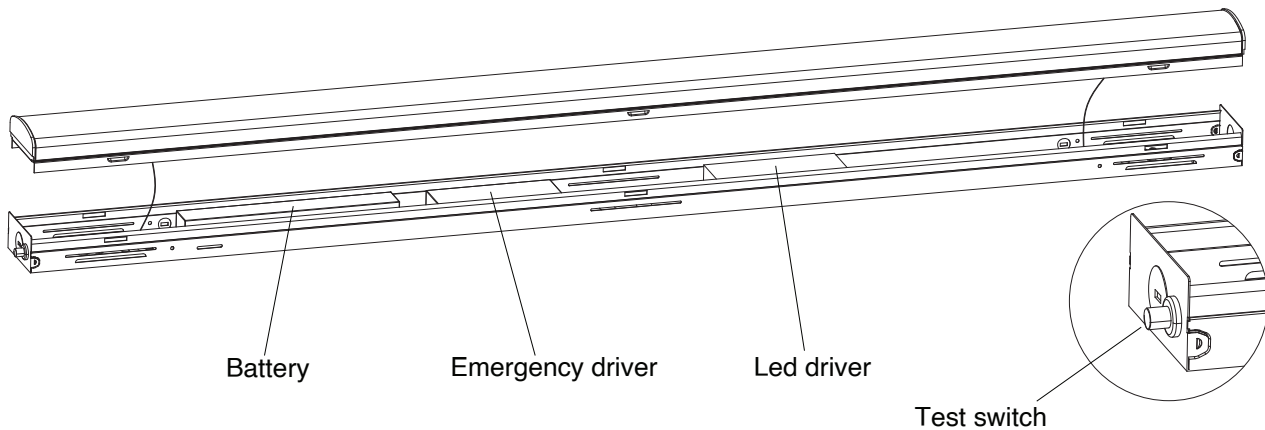
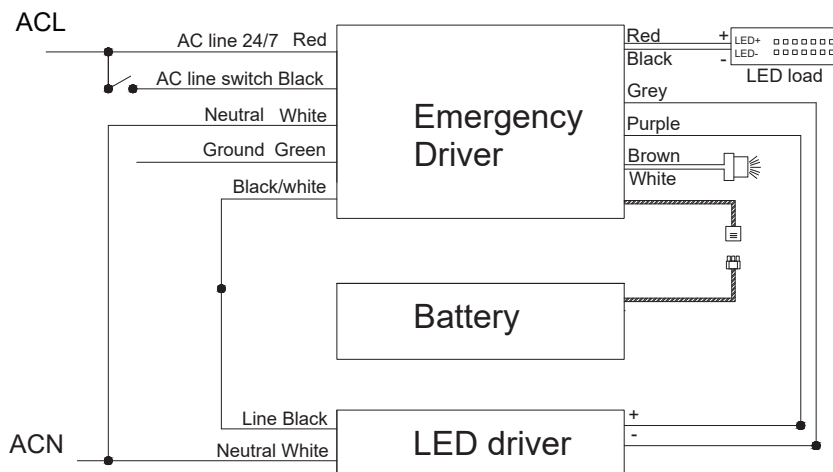
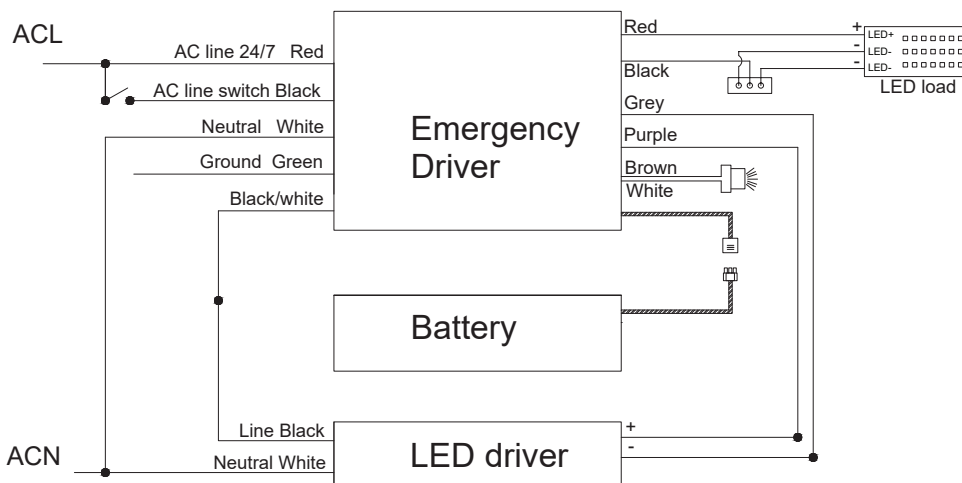
6. Insert reducer into fixture and secure using nut.



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Installation Instructions

Battery Back-up Model - YH36-09WL-50

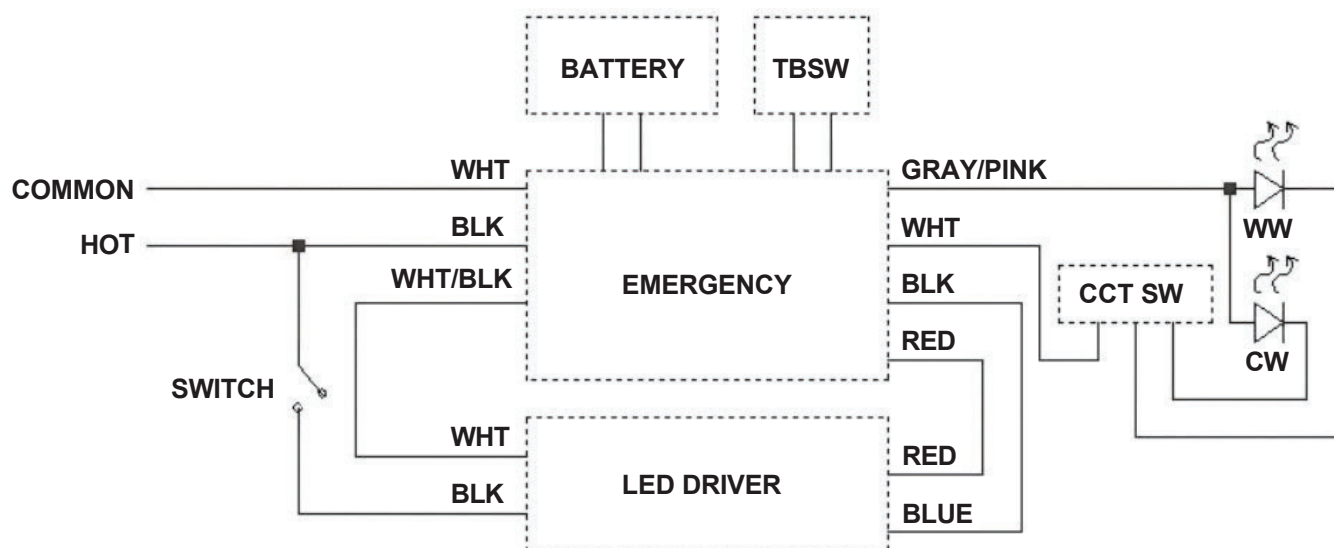
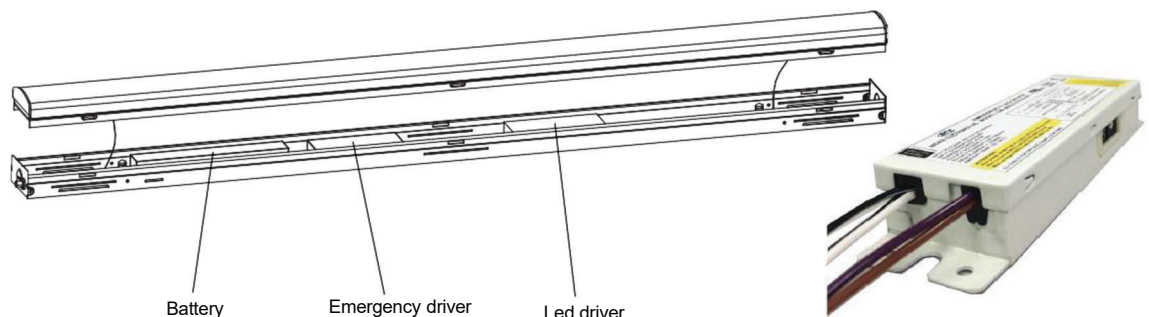
**General Wiring Diagram (Fixed CCT)****General Wiring Diagram (Adjustable CCT)**

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Emergency Battery Back-up Model Install Instructions (Additional Accessory)

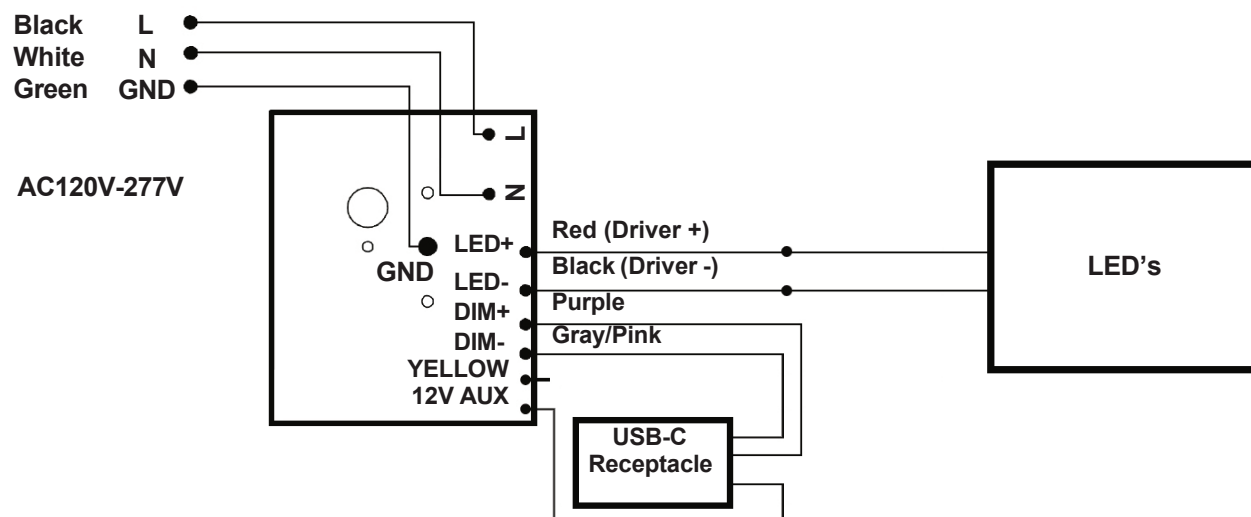
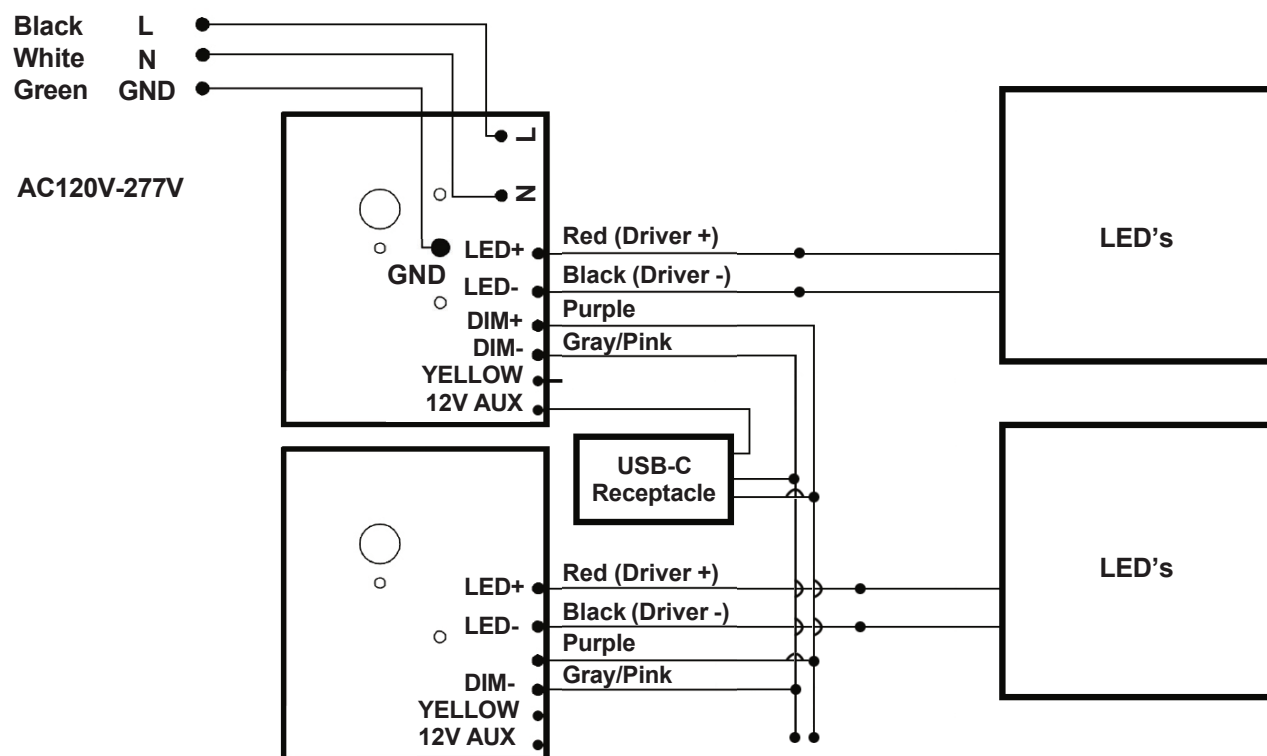
Split Emergency Battery Back-up:



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Controls Ready (CR) Model Standard Wiring Diagram**⚠ WARNING**

Risk of fire or electric shock, installation requires knowledge of the lighting luminaires electrical systems. If not qualified, do not attempt installation and contact a qualified electrician.

Controls Ready (CR) Model Daisy-Chained Wiring Diagram

- Remove Dim+ and Dim- from the USB-C receptacle from the Child-Fixtures to connect to the Dim+, Dim- of the parent fixture.
- The USB-C receptacle will no longer function on the Child-Fixtures.
- No more than 8 fixtures total when daisy chaining.

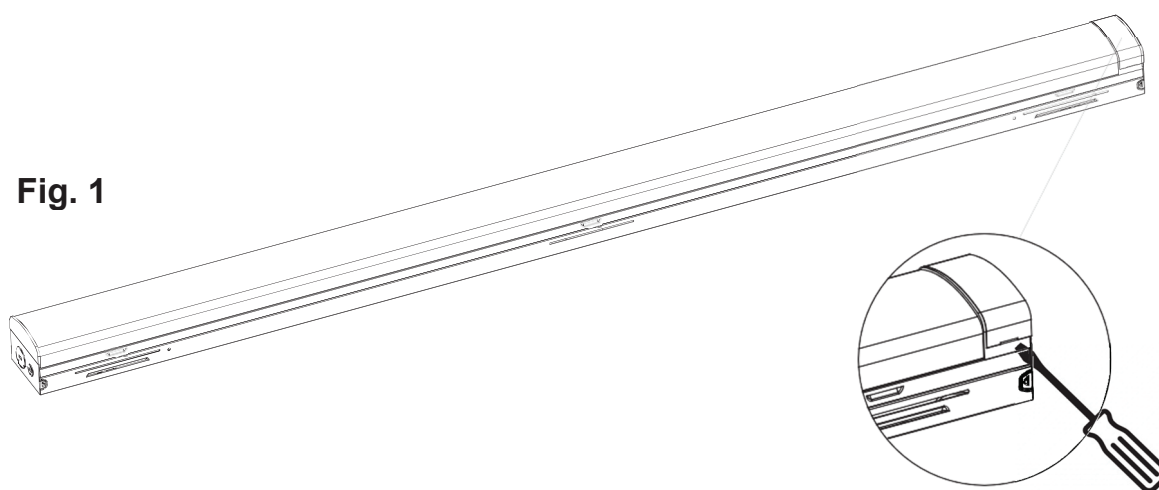
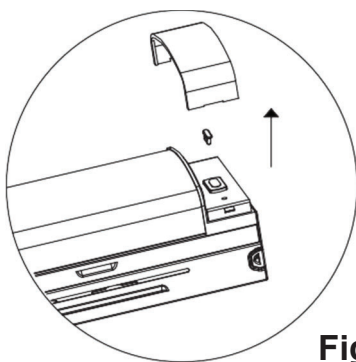
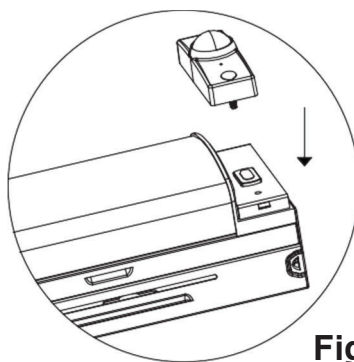
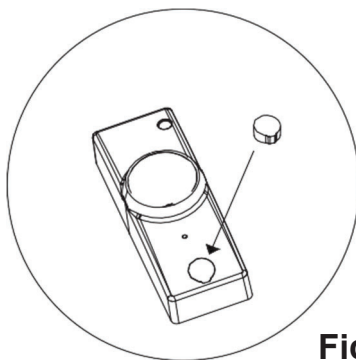
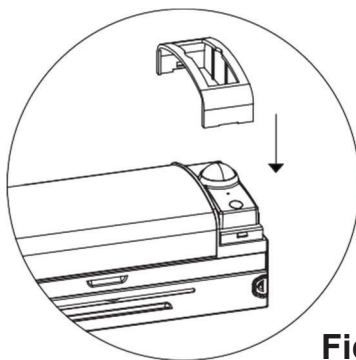
MaxLite® Linear Strip - LS3 Series

**c-Max™ node Installation Instructions (Applicable only on CR models)**

1. Remove the end cap cover using a flathead screwdriver. (**Fig. 1**)
2. Remove the silicone plug from the USB-C receptacle. (**Fig. 2**)
3. Plug in the c-Max™ node (CN-RTPSW / NN-RTPSW) into the USB-C receptacle via the USB connection. (**Fig. 3**)
4. Secure the c-Max™ node in place by fastening the included M3 button head screw with a Hex (Allen) key (not included). Once the screw is secured, cover it with the included silicone cap. (**Fig. 4** - drawing is for illustration only, actual screw may look different.)
5. Attach the included sensor bracket cover. (**Fig. 5**)

Note: For samples including a hex screw, please use a M2 allen key or equivalent.

Note: When using NN-RTW node use the end cap cover removed in step 1.

**Fig. 1****Fig. 2****Fig. 3****Fig. 4****Fig. 5**

MaxLite® Linear Strip - LS3 Series



Standard Product Warranty

TERMS & CONDITIONS

Introduction

This product warranty (the "Warranty") covers each of MaxLite's LED lighting fixtures, lamps, and controls (the "Product(s)") that are purchased while the Warranty is in effect, for a specified period of time (the "Warranty Period") from the earlier of the actual installation date or 90 days after the original date of purchase from a MaxLite authorized distributor/dealer. For each Product, the Warranty Period can be found in the most current versions of the MaxLite Standard Product Warranty Coverage document ("SPWC") and applicable MaxLite Product Data Sheet ("PDS").

Warranty Coverage

If a Product fails to operate during the Warranty Period as a result of defects in materials or workmanship, MaxLite will, at its option, repair it, replace it with the same Product (or, if the same Product is not reasonably available, with a product that is comparable in MaxLite's view) at no charge, or will issue a refund. MaxLite reserves the right to utilize new, reconditioned, refurbished, repaired, or remanufactured products or parts in the warranty replacement process.

General Terms and Conditions of the Warranty

1. The Warranty is effective for purchases of Products on and after July 22, 2019. MaxLite reserves the right to modify the Warranty from time to time; any such modifications shall be effective for all purchases made on and after the effective date of such modification.
2. The Warranty is applicable only to Products originally purchased from an authorized MaxLite distributor/dealer and is otherwise void.
3. Except for Products that qualify for a labor allowance per the SPWC, MaxLite is not responsible for any of the labor costs or other expenses associated with Product removal or installation.
4. The Warranty is void if the Product is operated outside its normal operating conditions per the applicable PDS, has been installed for an application for which it is not rated, or has been subject to accident, neglect, abuse, misuse, or Acts of God, and shall only be effective if the Product has been used, installed, and maintained in accordance with MaxLite's written instructions.
5. The Warranty shall not apply to any Product which is used, installed, operated, or maintained in violation of any applicable standard, code, or instructions for use, including without limitation, those contained in the Standards for Safety of Underwriters Laboratory, Inc (UL); the National Electric Code (NEC); Standards for the American National Standards Institute (ANSI); or, in Canada, the Canadian Standards Association (CSA).
6. The Warranty does not cover any 3rd party devices or products used in conjunction with the Product unless they are purchased from or provided by MaxLite to be used specifically with the Product.
7. Repaired and/or replacement products are warranted by MaxLite for the remainder of the failed Product's original Warranty Period.
8. The Warranty shall not apply to Products, parts, advice, assistance, or service which a) MaxLite furnishes as a courtesy or for no fee, and/or b) that are purchased and/or used outside of the United States or Canada.
9. In the event that LEDs fail to operate, such shall constitute a Product defect under the Warranty only if at least 15% of the LEDs per product have stopped illuminating.
10. The Warranty does not cover any cosmetic Product defects, including without limitation, damage to the painted Product finish or other finish or coating. Nor does the Warranty cover any lumen drop-off or CCT (color temperature) variations experienced by a Product.
11. Only an Officer of MaxLite, or a designee appointed in writing by an Officer of MaxLite is authorized to change, modify or extend the terms of this Warranty.
12. The Warranty and all matters connected with the performance thereof shall be construed, interpreted, applied and governed in all respects by the laws of the State of New Jersey in the United States of America. Any action, suit or proceeding arising out of or relating to this Limited Warranty and/or to the purchase of Products covered by this Limited Warranty, shall be venued exclusively in the State or Federal courts located within the State of New Jersey (U.S.A.).
13. To make a claim under the Warranty, customer must notify MaxLite (or MaxLite's designee) in writing, during the Warranty Period, of the Product failure. All claims must be initiated using the warranty claim process found on MaxLite's website.
14. Before providing Warranty coverage, MaxLite or its designee(s): (i) may require that you provide evidence of the purchase and/or installation date (e.g. a copy of original receipt/invoice, customer order number, etc.); and (ii) shall have the right but not the obligation to inspect the relevant project job site.
15. Warranty coverage is only available if the original purchaser is not in default or arrears on any portion of its payment obligations to MaxLite for the defective Product.

LIMITATION OF LIABILITY

THIS WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF MAXLITE SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL MAXLITE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, WHETHER OR NOT MAXLITE HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL MAXLITE'S ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT (EXCLUDING LABOR WARRANTY COVERAGE WHERE SPECIFICALLY OFFERED BY MAXLITE). WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DO NOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; MAXLITE SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

This Warranty gives you specific legal rights and you may also have other rights that may vary from state to state. Because some states or jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, such limitation may not apply to you.