

SUSPENDERS® assembly instructions 3, 4, 5-Bar Zig Zag (S1I, S1J, S1K)



SONNEMAN[®] A WAY OF LIGHT

LED Product Information and Warnings

Important

- Always disconnect the power before installing or replacing parts and before cleaning or other maintenance.
- Consult a qualified, licensed electrician to ensure correct branch circuit conductor.
- Please read all included assembly instructions and warnings carefully before installation. Contact Customer Service if you have any questions or concerns. Before installation, please confirm that the fixture is compatible with your supply voltage and dimming system, if present.
- LEDs are highly sensitive electronic devices, and must be treated with care. Do not open any factory sealed compartments, and avoid touching the LEDs with your hands or any object.
- Although all our fixtures are equipped with protective devices, LED electronic systems are vulnerable to power surges and supply variations. Do not install LED fixtures on the same circuit as any motors, appliances, or HVAC systems.
- Do not remove or bypass any LED Driver or Transformer that is provided with the fixture, and do not replace or substitute with another power supply.
- Remote Transformer installation must be done by a licensed electrician and in accordance with local building and electrical codes. Remote installations should be in an accessible location, as close to the fixture as possible. The appropriate wire gauge must be used to limit the voltage drop to no more than 5%.
- Fixtures must be wired in parallel on independent leads; do not "daisy chain" multiple fixtures together or wire them in series.
- All factory-made splices and connections must remain intact. LED circuits are carefully designed and built, and improper connections may damage the fixture.
- Any mounting hardware is provided for your convenience and should be used with discretion. Always use the appropriate hardware for the mounting surface.
- To avoid excessive voltage drop, the longest electrical path from the Power Feed to the furthest Luminaire should not exceed 30 feet.
- Suspenders[®] transformers can be loaded up to 80% of their rated wattage.
- Suspenders[®] transformers feature short-circuit protection with automatic recovery, and will resume operation once the short-circuit condition is removed.
- Suspenders® transformers have 24V output, and are dimmable with Electronic Low Voltage dimmers ONLY.
- Suspenders[®] must be installed in dry locations ONLY.

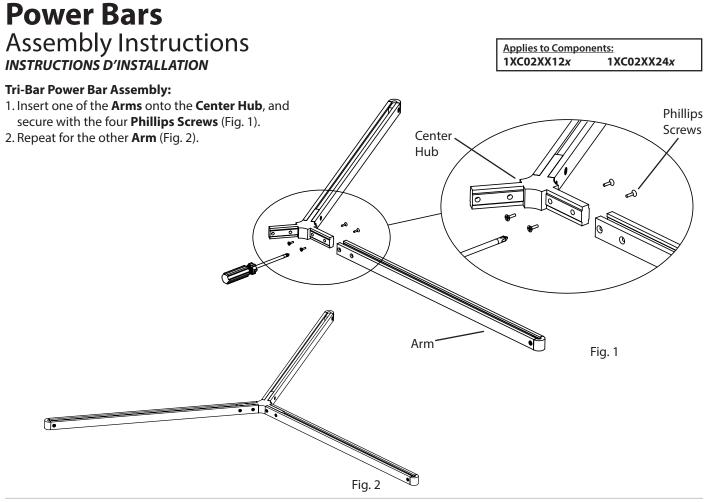
Suspenders®

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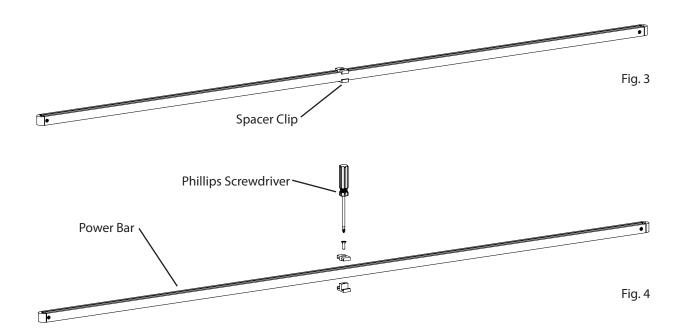






Linear Power Bar Assembly:	Applies to Compone	ents:
1. The Linear Power Bar comes with a spacer clip pre-installed at the center of the Power	1XC01XX12x	1XC01XX48x
Bar (Fig. 2).	1XC01XX24x	1XC01XX72x
2. If desired, the Spacer Clip can be removed using a Phillips Screwdriver (Fig. 4).	1XC01XX36x	1XC01XX96x

3. Power Bar must be supported at least every 4 feet.



1XB01RC06x

Power Feed Hangers Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Single Cord Power Feed Hanger:

NOTE: Each Single Cord Power Feed Hanger only carries half of the electrical circuit, and must be used in pairs. To avoid shortcircuiting the system, the spring contacts must point in different directions.

- 1. Install the Single Cord Power Feed Hanger onto the Power Bar: pass the **Cord** through the Power Bar, tip the Hanger 45 degrees and insert the copper springs into the center of the Power Bar, then push the Hanger up while tipping it back up 45 degrees (Fig. 1).
- 2. Cut the Cord to the desired length, and remove 10mm (3/8") of insulation from the end of each Cord.
- 3. Twist the wire strands tightly, then insert the exposed wires into the Power Feed Bushings. Secure by tightening the Set Screws with the included Allen key.



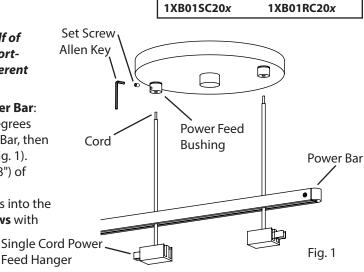
Double Cord/Rod Power Feed Hanger:

- 1. Install the Double Cord (or Rod) Power Feed Hanger onto the Power Bar: press down firmly on the top of the Power Bar, while pressing up on the bottom of the Hanger, until the Power Bar clicks into place (Fig. 2).
- 2. For Cords:
 - a. Cut the Cords to the desired length, and remove 10mm (3/8") of insulation from the end of each Cord.
 - b. Twist the wire strands tightly, then insert the exposed wires into the Power Feed Bushings. Secure by tightening the Set Screws with the included Allen key.
- 3. For Rods:
 - a. Cut the Rods to the desired length, and remove 10mm (3/8") paint from the end of each Rod using sand paper.
 - b. Insert the exposed Rod into the Power Feed Bushings. Secure by tightening the Set Screws with the included Allen key.

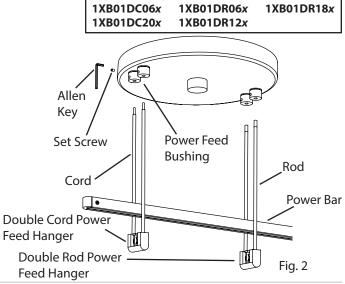
In-Line Double Cord Power Feed Hanger:

- 1. Cut the **Cords** to the desired length, and remove 10mm (3/8") of insulation from the end of each cord.
- 2. Twist the wire strands tightly, then insert the exposed wires into the Power Feed Bushings. Secure by tightening the Set Screws with the included Allen key.
- 3. Press down firmly on the top of the Power Bar, while pressing up on the bottom of the Hanger, until the Power Bar clicks into place (Fig. 3). Repeat for the second Power Bar.

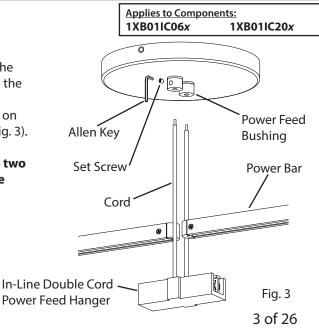
Note: The In-Line Double Cord Power Feed Hanger connects the two Power Bars to the same electrical circuit. It does not increase the wattage capacity of the Power Feed.



Applies to Components: 1XB01SC06x



Applies to Components:



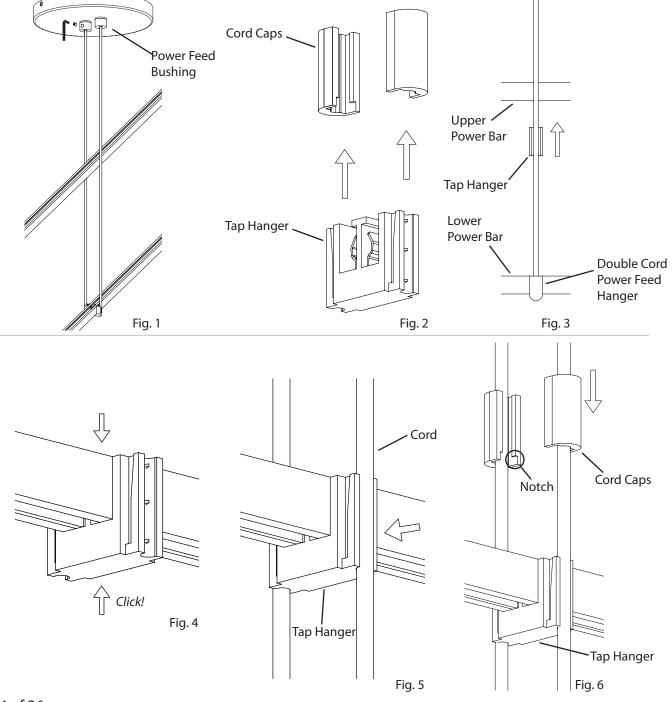
Applies to Components: 1XB01PT00x



Power Feed Hangers Assembly Instructions

In-Line Power Tap Hanger:

- 1. Install **Double Cord Power Feed Hanger** to **Lower Power Bar** and connect to the **Power Feed** by inserting the exposed wires into the **Power Feed Bushings**. Secure by tightening the **Set Screws** with the included **Allen Key** (Fig. 1).
- 2. Install the **Upper Power Bar** between the two cords of the **Double Cord Power Feed Hanger** using appropriate hangers.
- 3. Remove **Cord Caps** from **Tap Hanger** by sliding them up and off the sides of the **Tap Hanger** (Fig. 2).
- 4. Position **Tap Hanger** under **Upper Power Bar** at junction with **Double Cord Power Feed Hanger** (Fig. 3). Press down firmly on top of the Upper Power Bar, while pressing up on the bottom of Tap Hanger, until Tap Hanger clicks into place (Fig. 4).
 5. Press each cord into the clot on each cide of the **T**op **Hanger** (Fig. 5).
- 5. Press each cord into the slot on each side of the **Tap Hanger** (Fig. 5).
- 6. To secure cord electrical connection, align **Cord Cap** over slot on each side of the **Tap Hanger**, and position the notches on bottom of the Cord Cap to face toward Tap Hanger (Fig. 6), then firmly slide down into position (Fig. 6). Repeat on opposite side.



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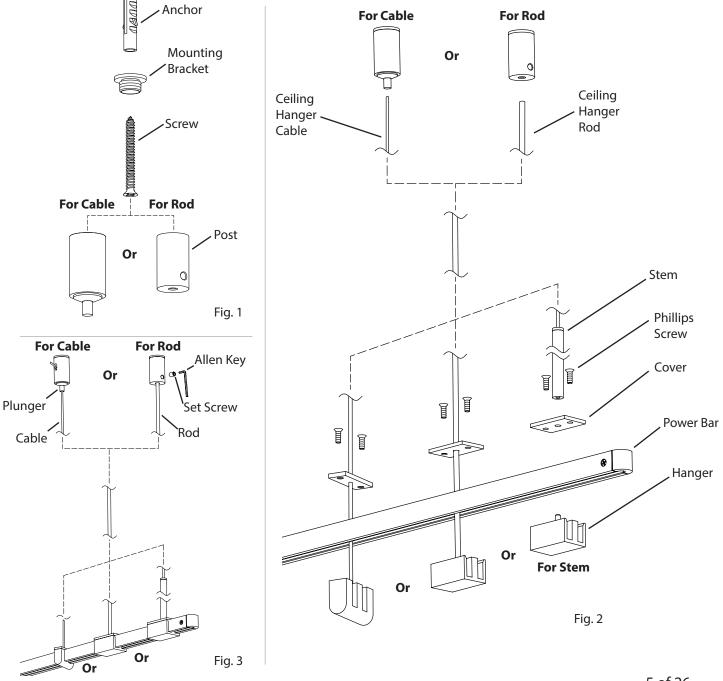
Ceiling Hangers Assembly Instructions

Applies to Component:				
1XB02SB06x	1XB02SB06x-ST	1XB02RB06 <i>x</i>	1XB02SR18x	
1XB02SB20x	1XB02SB20x-ST	1XB02RB20x		

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Ceiling Hanger Assembly:

- 1. Install the **Mounting Bracket** to the ceiling with **Anchor** (if appropriate) and **Screw**, then screw the **Post** onto the Mounting Bracket (Fig. 1).
- 2. Pass the **Ceiling Hanger Rod/Cable** through the **Power Bar**, then through the center hole of the **Cover**, making sure the countersunk holes on the Cover are facing up. Attach the **Cover** to the **Hanger** using the two small **Phillips Screws** (Fig. 2).
- 3. For Hanger with **Stem**: Hand screw the Stem onto the Ceiling Hanger. (Fig. 2)
- 4. Attaching the **Ceiling Hanger Rod/Cable** into the **Post**:
 - a. For Rod Hangers: Cut the **Rod** to the desired length, then insert the **Rod** into the **Post** and tighten the **Set Screw** with the **Allen Key** (Fig. 3).
- b. For Cable Hanger: Insert **Cable** into Post, then adjust to the desired length: to shorten, push the Cable up; to lengthen, push in the **Plunger** while pulling down on the cable, release the Plunger to lock. Cut off the excess cable where it exits the Post (Fig. 2).



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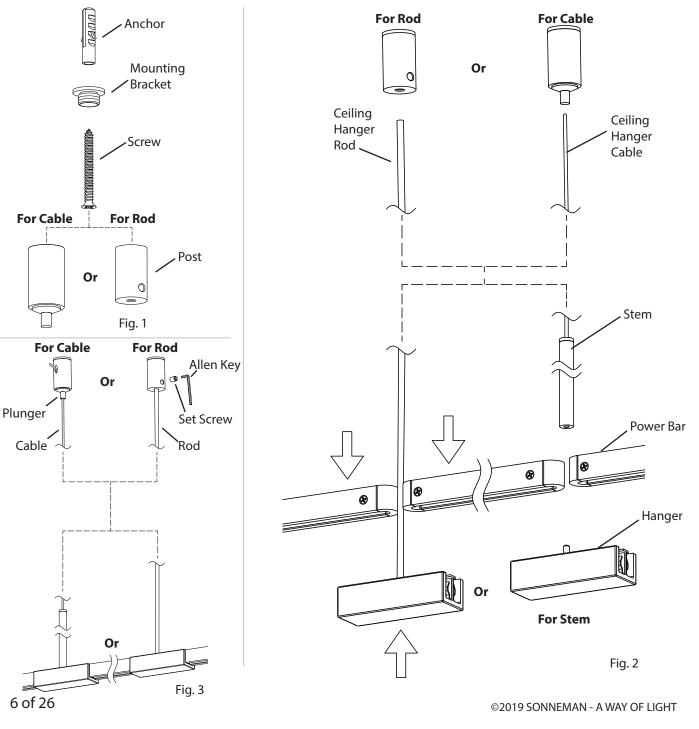


Ceiling Hangers Assembly Instructions INSTRUCTIONS D'INSTALLATION

Applies to Components:1XB02IB06x1XB02IB06x-ST1XB02IR18x1XB02IB20x1XB02IB20x-ST1XB02IR18x

In-Line Ceiling Hanger Assembly:

- 1. Install the **Mounting Bracket** to the ceiling with **Anchor** (if applicable) and **Screw**, then screw the **Post** onto the Mounting Bracket (Fig. 1).
- 2. For Hanger with Stem: Hand screw the Stem onto the Ceiling Hanger (Fig. 2).
- 3. Attaching the Ceiling Hanger Rod/Cable into the Post:
 - a. For Rod Hangers: Cut the **Rod** to the desired length, then insert the **Rod** into the **Post** and tighten the **Set Screw** with the **Allen Key** (Fig. 3).
 - b. For Cord Hanger: Insert **Cable** into Post, then adjust to the desired length: to shorten, push the Cable up; to lengthen, push in the **Plunger** while pulling down on the cable, release the Plunger to lock. Cut off the excess cable where it exits the Post (Fig. 3).
- 4. Press down firmly on the top of the **Power Bar**, while pressing up on the bottom of the **Hanger**, until the Power Bar clicks into place. Repeat for adjacent power bar (Fig. 2).



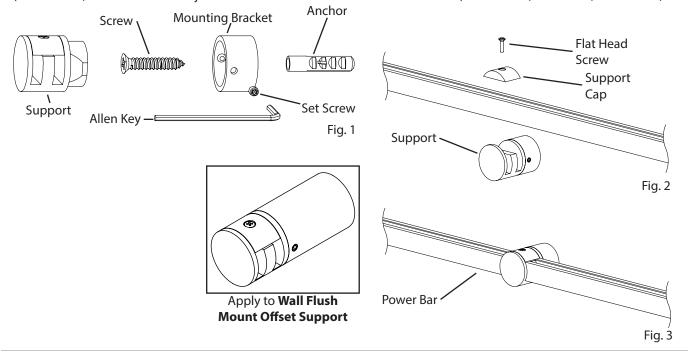
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Wall Mount System Assembly Instructions INSTRUCTIONS D'INSTALLATION

Applies to Components: 1XB02WL00x 1XB02WL01x

Wall Flush Mount Support:

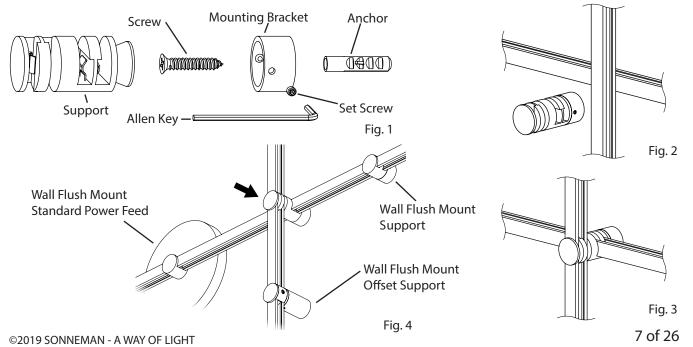
- Install the Mounting Bracket to the wall with Anchor (if applicable) and Screw, align set screw holes with the direction of Power Bar, then attach the Support onto the Mounting Bracket and tighten the two Set Screws with the Allen Key (Fig. 1).
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- 2. Remove Flat Head Screw and Support Cap and align Power Bar with Support (Fig. 2).
- 3. Insert **Power Bar** into **Support**. Reattach **Support Cap** with **Flat Head Screw** (Fig. 3). **Note:** Wall Mount Support (1XB02WL00x) is to be used in conjunction with Wall Mount Standard Power Feed (1XA08WL01x) or Remote (1XA08WL02x).



Wall Mount Perpendicular Power Bar Hanger:

Applies to Components: 1XB03WP00x

- 1. Install the **Mounting Bracket** to the wall with **Anchor** (if applicable) and **Screw**, align set screw holes with the direction of **Power Bar**, then attach the **Support** onto the Mounting Bracket and tighten the two **Set Screws** with the **Allen Key** (Fig. 1).
- 2. Insert Power Bars into Support. Note: Wall Mount Perpendicular Power Bar Hanger (1XB03WP00x) is to be used in conjunction with Wall Flush Mount Support (1XB02WL00x), Wall Flush Mount Offset Support (1XB02WL01x) (Fig 4), and Wall Flush Mount Standard Power Feed (1XA08WL01x) or Remote (1XA08WL02x) (Fig 4).



1XB02CE01x

Applies to Components:

1XB02CE00x

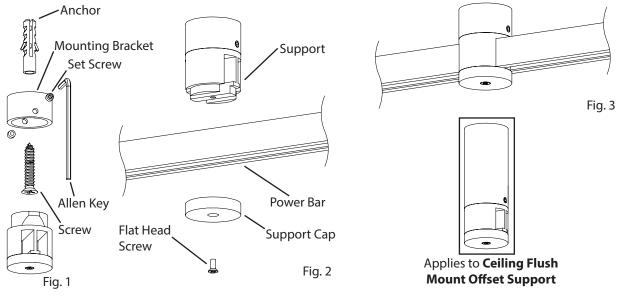


Ceiling Mount System Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Ceiling Flush Mount Support:

- 1. Install the **Mounting Bracket** to the ceiling with **Anchor** (if applicable) and **Screw**, align set screw holes with the direction of **Power Bar**, then attach the **Support** onto the Mounting Bracket and tighten two **Set Screws** with the **Allen Key** (Fig. 1).
- 2. Remove Flat Head Screw and Support Cap and align Power Bar with Support (Fig. 2).
- 3. Insert **Power Bar** into **Support**. Reattach **Support Cap** with **Flat Head Screw** (Fig. 3). **Note:** Ceiling Flush Mount Support (1XB02CE00*x*) is to be used in conjunction with Ceiling Mount Standard Power Feed (1XA08CE01*x*).

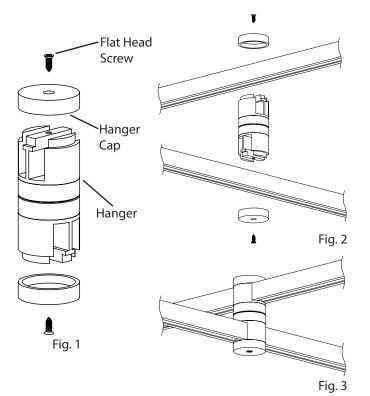


Flush Rotational Power Bar Hanger:

1. Remove Flat Head Screw and both Hanger Caps (Fig. 1).

Applies to Components: 1XB03RD00x

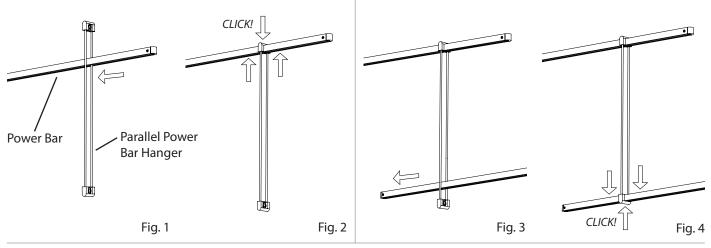
- 2. Align **Power Bars** with **Hanger** (Fig. 2). Press down firmly on the top of the **Top Power Bar** and bottom of **Bottom Power Bar** until the Power Bars clicks into place. Reattach **Hanger Cap** with **Flat Head Screw** (Fig. 3).
- 3. Insert Power Bar, into Support. Reattach Support Cap with Flat Head Screw (Fig. 3).



Power Bar Hangers Assembly Instructions INSTRUCTIONS D'INSTALLATION

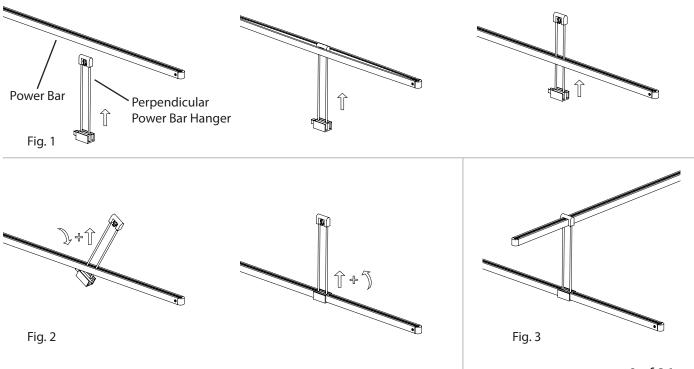
Parallel Power Bar Hanger:

- 1. Pass one end of the Parallel Power Bar Hanger over the end of a Power Bar (Fig. 1).
- 2. Press down firmly on the top of the **Power Bar Hanger**, while pressing up on the bottom of the Power Bar, until the Power Bar Hanger clicks into place (Fig. 2).
- 3. Pass a second Power Bar between the rods of the Power Bar Hanger (Fig. 3).
- 4. Press down firmly on the top of the **Power Bar**, while pressing up on the bottom of the **Power Bar Hanger**, until the Power Bar clicks into place (Fig. 4).



Perpendicular Power Bar Hanger:

- 1. Gently spread apart the **Power Bar** and insert the **Rods** of the **Perpendicular Power Bar Hanger** through the Power Bar (Fig. 1).
- 2. Tip the **Perpendicular Power Bar Hanger** 45 degrees and insert the copper springs into the center of the **Power Bar** (Fig. 2).
- 3. Push the Perpendicular Power Bar Hanger up while tipping it back up 45 degrees (Fig. 2).
- 4. Pass top portion of the **Perpendicular Power Bar Hanger** over the end of the **Power Bar** and press down firmly on the top of the **Power Bar Hanger** while pressing up on the bottom of the Power Bar, until the Power Bar Hanger clicks into place (Fig. 3).



Applies to Components: 1XB03ARxxx

Applies to Components:

1XB03ER18x

Applies to Components: 1XB03PRxxx

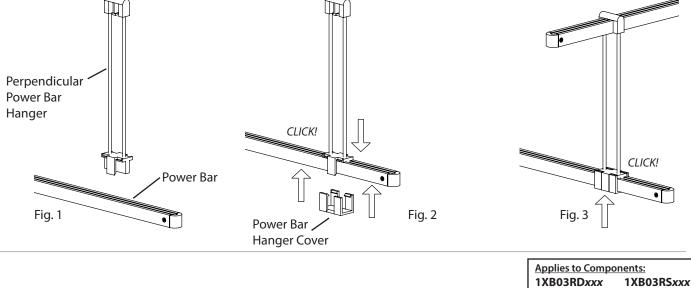


Power Bar Hangers Assembly Instructions

INSTRUCTIONS D'INSTALLATION

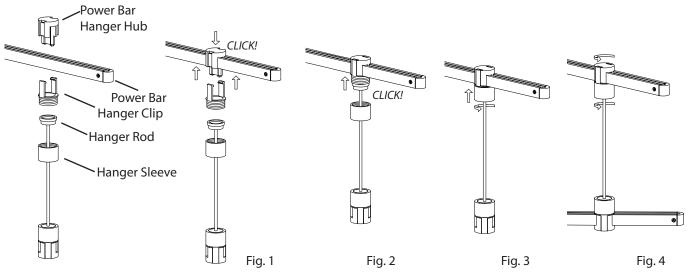
Perpendicular Power Bar Hanger v2:

- 1. Press down firmly on the top of the **Power Bar Hanger**, while pressing up on the bottom of the **Power Bar**, until the Power Bar Hanger clicks into place (Fig. 2).
- 2. Push up on the bottom of the **Power Bar Hanger Cover**, while pressing down on the bottom of the **Power Bar**, until the Power Bar Hanger Cover clicks into place (Fig. 3).
- 3. Pass top portion of the **Perpendicular Power Bar Hanger** over the end of the **Power Bar** and press down firmly on the top of the **Power Bar Hanger** while pressing up on the bottom of the Power Bar, until the Power Bar Hanger clicks into place (Fig. 3).
- 4. To remove the **Power Bar Hanger Cover**:
- Spread the **Power Bar Hanger Cover** apart using the index and middle finger of each hand and pull down on the cover while pushing up on the **Power Bars** with the thumbs.



Single and Double Rotational Power Bar Hanger:

- 1. Press down firmly on the top of the **Power Bar Hanger Hub** while pressing up on the bottom of the **Power Bar**, until the Power Bar Hanger Hub clicks into place (Fig. 1).
- 2. Insert the Hanger Clip through the Hanger Hub and press up on the Hanger Clip until Hanger Clip clicks into place (Fig. 2).
- 3. Press the **Hanger Rod** up against the Hanger Hub and screw in the **Hanger Sleeve**. Be sure that the brass contacts on the Power Bar Hanger Hub are touching those on the Hanger Rod (Fig. 3). NOTE: Do not fully tighten.
- 4. Rotate **Power Bar** to the desired position and secure by fully tightening the **Hanger Sleeve** (Fig. 4).
- 5. Repeat steps 1-4 for the second **Power Bar**.



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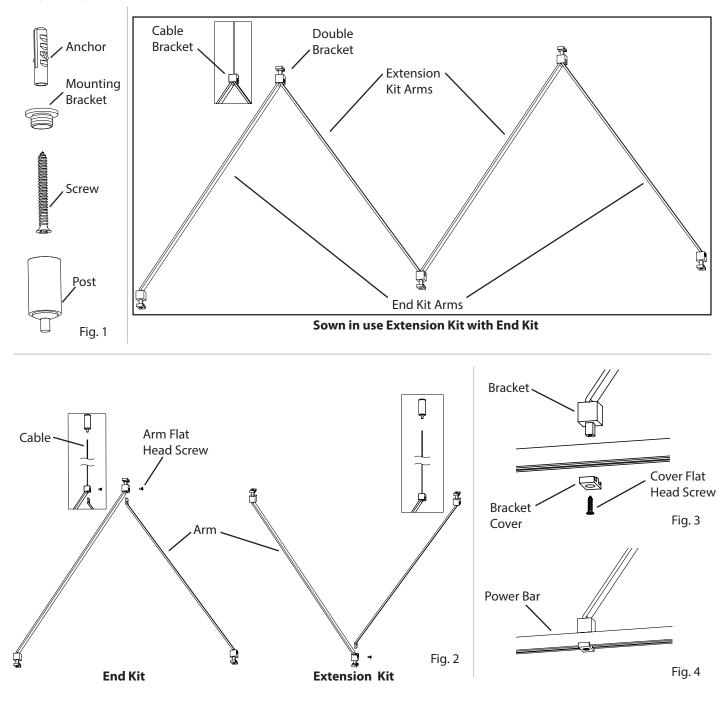


Power Bar Hangers Assembly Instructions INSTRUCTIONS D'INSTALLATION

Truss Hanger System:

Applies to Compone	nts:	
1XB02TR06x-EN	1XB03TR16x-EX	1XZ05000 <i>xx</i>
1XB02TR06x-EX	1XB02TR20x-EN	
1XB03TR16x-EN	1XB02TR20x-EX	

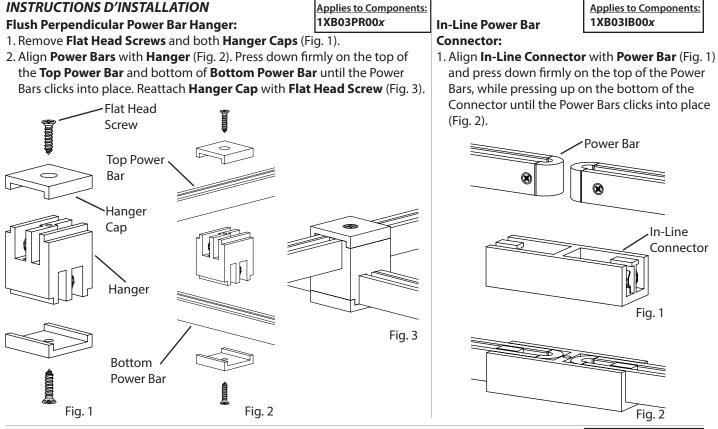
- 1. Where applicable: Install the Mounting Bracket to the ceiling with Anchor (if applicable) and Screw, then screw the Post onto the Mounting Bracket (Fig. 1).
- 2. Insert Extension or End Arm into the remaining slot of the Bracket and secure it with the provided Arm Flat Head Screw (Fig. 2).
- 3. Where applicable: Insert the Cable into the Post and adjust to the desired length: to shorten, push the Cable up; to lengthen, push in the Plunger while pulling down on the Cable, release the Plunger to lock. Cut off the excess Cable where it exits the Post (Fig. 2).
- 4. Remove Cover Flat Head Screw and Bracket Cover and align Power Bar with the Bracket (Fig. 3).
- 5. Insert Power Bar onto the Bracket and reattach the Bracket Cover with Flat Head Screw (Fig. 4).
- 6. Repeat step 3 and 4 for each Bracket.





Power Bar Hangers

Assembly Instructions

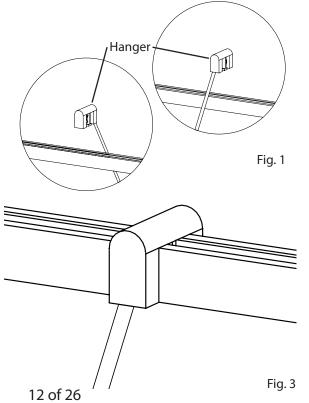


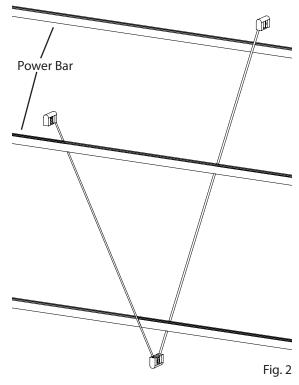
Double Cord Power Bar Hanger:

Applies to Components: 1XB03DC16x

NOTE: Each Single Cord Power Feed Hanger only carries half of the electrical circuit, and must be used in pairs. To avoid short-circuiting the system, the spring contacts must point in different directions (Fig 1).

1. Align **Hanger** with **Power Bars** (Fig. 2) and press down firmly on the top (or bottom) of the Power Bar, while pressing up (or down) on the bottom of the Hanger, until the Power Bar clicks into place (Fig. 3).







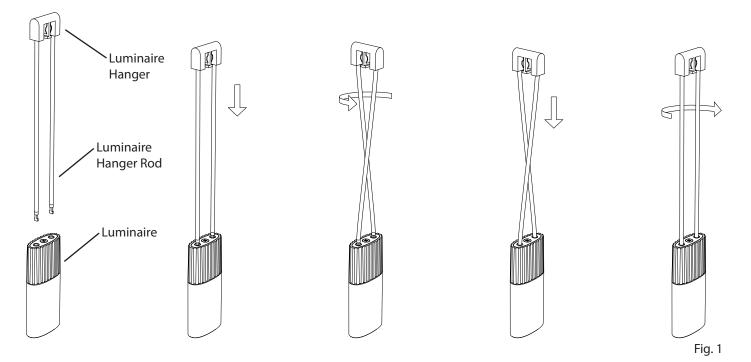
Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:1XDXXRPxxx1XB04DRxxx1XB04RDxxx1XB04ARxxx1XB04DR16x-RG

- Luminaire Hanger (Fig. 1): 1. Gently insert the two Luminaire Hanger Rods into the holes on the top of the Luminaire.
- 2. Rotate the Luminaire or Luminaire Hanger 90 degrees.
- 3. Push the Luminaire Hanger rods into the Luminaire until the copper on the ends of the rods is no longer visible.
- 4. Rotate the Luminaire or Luminaire Hanger back 90 degrees to lock.

Connecting an RPxx Luminaire to an ARxx, RPxx, and DRxx Double



Connecting a Double Rod Luminaire Hanger to a Power Bar:

- 1. Place the Luminaire Hanger over the Power Bar (Fig. 2).
- 2. Press down firmly on the top of the **Luminaire Hanger**, while pressing up on the bottom of the **Power Bar**, until the Luminaire Hanger clicks into place (Fig 3).
- 3. To remove, tip the Luminaire Hanger in the direction of the Power Bar, then lift the Luminaire Hanger off the Power Bar.



Applies to Components: 1XB04ARxxx



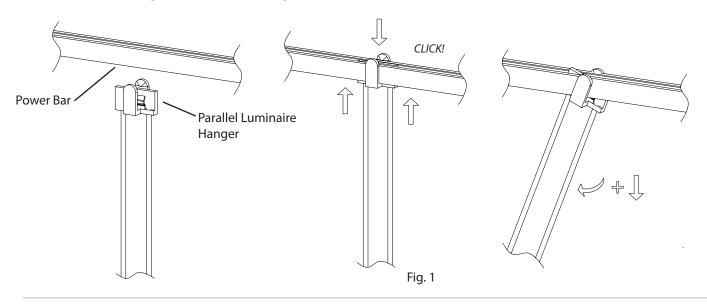
Luminaires and Luminaire Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Connecting a Parallel Luminaire Hanger to a Power Bar:

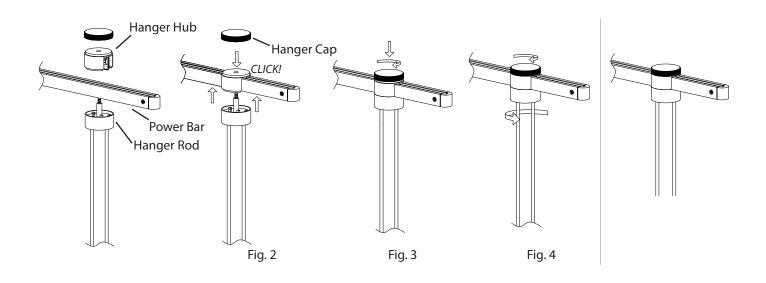
- 1. Place the Parallel Luminaire Hanger under the Power Bar.
- 2. Press up firmly on the bottom of the **Parallel Luminaire Hanger**, while pressing down on the top of the **Power Bar**, until the Parallel Luminaire Hanger clicks into place (Fig. 1).
- 3. To remove, tip the **Parallel Luminaire Hanger** in the direction of the **Power Bar** to release the **Snap Hooks**, then pull the Parallel Luminaire Hanger off the Power Bar (Fig. 3).

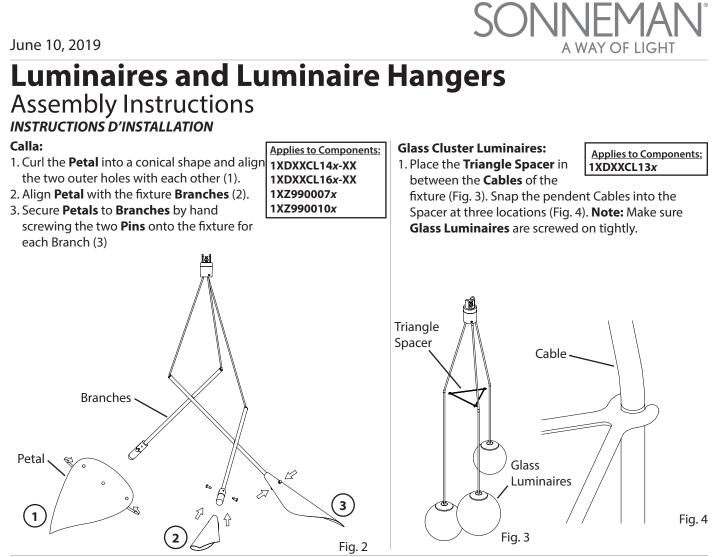


Connecting a Rotational Luminaire Hanger or Light Guide Disk Luminaire to a Power Bar: 1. Place the **Rotational Luminaire Hanger Hub** over the **Power Bar**.

Applies to Components: 1XB04RDxxx 1XDXXRH07x

- 2. Press down firmly on top of **Hub**, while pressing up on the bottom of the **Power Bar**, until the Hub clicks into place (Fig. 2). 3. Press the **Hanger Rod** up against the Hanger Hub and screw in the **Hanger Cap**. Be sure the brass contacts on the Hanger
- Hub are touching those on the Hanger Rod (Fig. 3). **NOTE:** Do not fully tighten.
- 4. Rotate the Luminaire to the desired position and secure by fully tightening the Hanger Cap (Fig. 4).



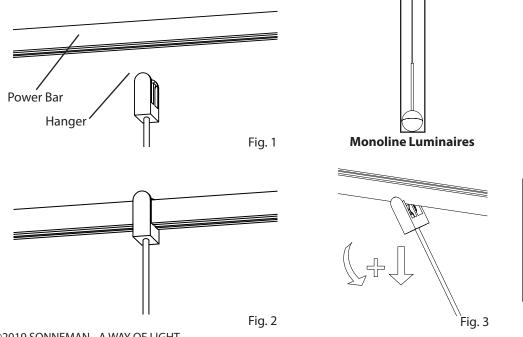


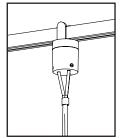
Leaf, Calla, Branches, Glass Cluster, V-Cord, and Monoline Luminaires:

1. Align **Hanger** with **Power Bar** (Fig. 1) and press down firmly on the top of the Power Bar, while pressing up on the bottom of the Hanger, until the Power Bar clicks into place. (Fig. 2)

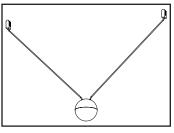
Applies to Components: 1XDXXCLxxx-xx 1XDXXVCxxx-xx

- 2. To remove, tilt hanger then pull down from **Power Bar** (Fig. 3).
- 3. Smooth cord by gently pulling it between thumb and forefinger. Alternatively, place a rigid rod between thumb and cord, such as the barrel of a pen or the shank of a screwdriver.
- Note: Use opposite hand to grasp cord above the region being smoothed. Do not apply excessive force, or damage to cord and hanger may result.





Applies to three cord hangers: Leaf, Calla, Branches, and Glass Cluster



V-Cord Luminaires 15 of 26

Applies to Components: 1XDXXCL01x 1XDX

1XDXXCL02x

1XDXXCL03x

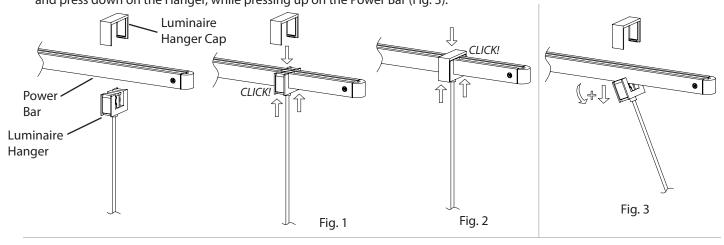
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Luminaires and Luminaire Hangers

Assembly Instructions

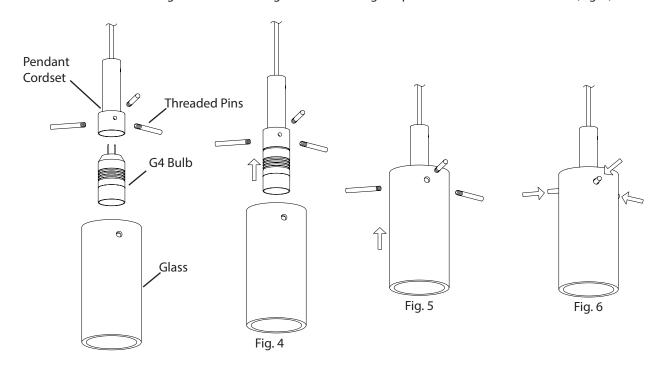
Connecting a Monoline[™] Luminaire Hanger to a Power Bar:

- 1. Place the **Monoline**[™] Luminaire Hanger under the **Power Bar**.
- 2. Press up firmly on both sides the bottom of the **Monoline™ Luminaire Hanger**, while pressing down on the top of the **Power Bar**, until the Luminaire Hanger clicks into place (Fig. 1).
- 3. Press down firmly on top of the Luminaire Hanger Cap, while pressing up on the Luminaire Hanger, until the Luminaire Hanger Cap clicks into place (Fig. 2).
- 4. To remove the Monoline[™] Luminaire Hanger Cover: Spread the Monoline[™] Luminaire Hanger Cover apart using the thumbs and press up on the cover, while pressing down on the Power Bar with the index and middle fingers. Tip the Monoline[™] Luminaire Hanger in the direction of the Power Bar and press down on the Hanger, while pressing up on the Power Bar (Fig. 3).



Connecting a Monoline[™]Luminaire to a Monoline[™] Pendant Cordset:

- 1. Install the included G4 Bulb. (Fig. 4)
- Install the included G4 Build. (Fig. 4)
 Raise the Glass and align the holes in the glass to the holes in the Pendant Cordset (Fig. 5). Secure the glass by inserting the Threaded Pins through the holes in the glass and screwing the pins into the Pendant Cordset (Fig. 6).



Applies to Components: 1XB04CL09x 1XB04CL18x



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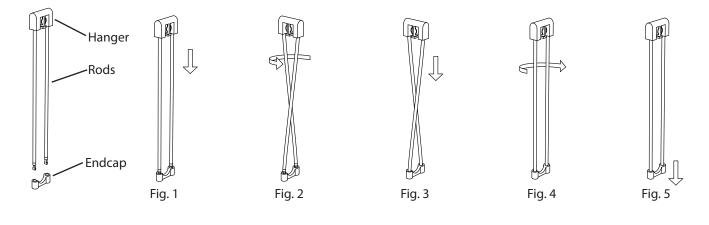
Luminaires and Luminaire Hangers Assembly Instructions

INSTRUCTIONS D'INSTALLATION

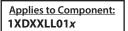
Connecting a Luminaire Hanger Endcap to a Luminaire Hanger:

1. Gently insert the two Luminaire Hanger Rods into the holes on the top of the Luminaire Hanger Endcap (Fig. 1).

- 2. Rotate the **Endcap** or Luminaire **Hanger** 90 degrees (Fig. 2).
- 3. Push the Luminaire Hanger Rods into the Endcap until the copper on the ends of the Rods is no longer visible (Fig. 3).
- 4. Rotate the **Endcap** or Luminaire **Hanger** back 90 degrees (Fig. 4).
- 5. Pull the **Endcap** down to lock the Endcap (Fig. 5).

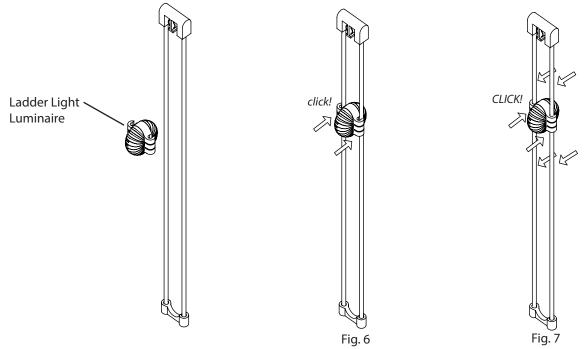


Connecting a Ladder Light onto a Luminaire Hanger:



NOTE: The Luminaire Hanger **Endcap** or a **Luminaire** must be installed before connecting a **Ladder Light** onto a Luminaire **Hanger**.

- 1. Gently press both sides of the Ladder Light onto the Luminaire Hanger until the Ladder Light softly clicks into place (Fig. 6).
- 2. Confirm the desired position of the Ladder Light on the Hanger, and adjust the position if necessary.
- CAUTION! The next step will put a set of small score lines through the paint on the **Hanger Rods**.
- 3. Place the index and middle fingers of each hand on the **Hanger Rods** on either side of the **Ladder Light** and press firmly on both sides of the Ladder Light with the thumbs until the Ladder Light fully clicks into place (Fig. 7).



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> Applies to Component: 1XZ990001x



Assembly Instructions

Connecting a Light Bar onto a Power Bar:

- 1. Place the Light Bar on the Power Bar.
- 2. Press down firmly on the top of both ends of the Light Bar, while pressing up on the bottom of the Power Bar, until the Light Bar clicks into place (Fig. 1).

Applies to Components:		
1XDXXLB12x	1XDXXLB36x	
1XDXXLB24x	1XZ990005 <i>x</i>	

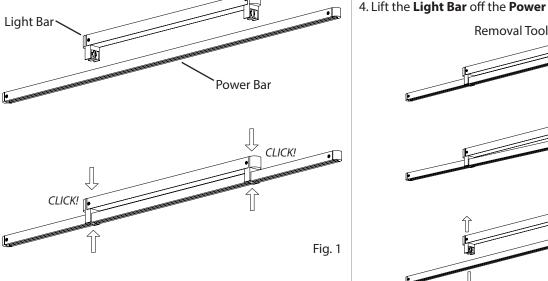
Fig. 2

Fig. 3

Fig. 4

Removing a Light Bar from a Power Bar:

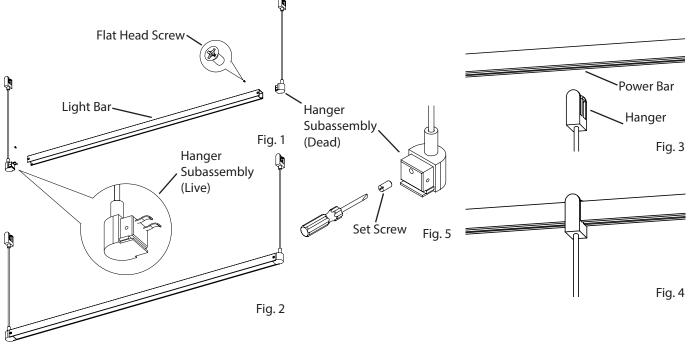
- 1. Place the Light Bar Removal Tool underneath the end of the Light Bar (Fig. 2).
- 2. Press down firmly on the edge of the **Tool** to separate one side of the Light Bar from the Power Bar (Fig. 3).
- 3. Repeat steps 1-2 to separate other side of the Light Bar.
- 4. Lift the Light Bar off the Power Bar (Fig. 4).



Suspended Light Bars: Applies to Components: 1. Align Hanger Subassemblies with the Light Bar. Make sure the screw holes of the 1XB04LB06x 1XB04LB18x Hanger Subassembly align with the Light Bar (Fig. 1). Note: One hanger subassembly has 1XB04LB12x 1XDXXLBxxx-S conductors (live) that will engage with light bar once attached; the other does not (dead).

2. Insert Hanger Subassembly into Light Bar and secure with Flat Head Screws (Fig 2).

- 3. Align Hanger with Power Bar (Fig. 3) and press down firmly on the top of the Power Bar, while pressing up on the bottom of the Hanger, until the Power Bar clicks into place (Fig. 4).
- 4. Adjust the leveling of the Luminaire by loosening the Set Screw on the Dead Hanger Subassembly and lengthening or Shortening the cord (Fig. 5).





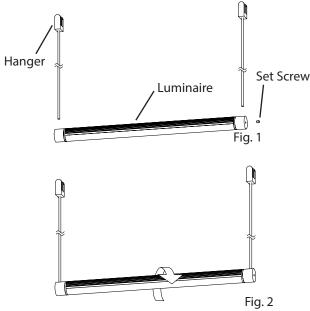
June 10, 2019

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Connecting Linear Rotational Luminaire to Single Rod Luminaire Hanger:

- 1. Align Linear Rotational Luminaire with both Hangers (Fig. 1).
- 2. Insert Luminare onto Hangers and secure with Set Screws (Fig. 2). Note: Luminaire can rotate 360° (Fig. 2).



Connecting Linear Rotational Luminaire to Single Rod Outrigger Luminaire Hanger:

- 1. Align Linear Rotational Luminaire with both Hangers (Fig. 1).
- 2. Insert Luminare onto Hangers and secure with Set Screws (Fig. 2). Note: Luminaire can rotate 360° (Fig. 2).(Fig. 2).

Hanger

Fig. 1

Fig. 2

Set Screw

Single Rod Luminaire Hanger:

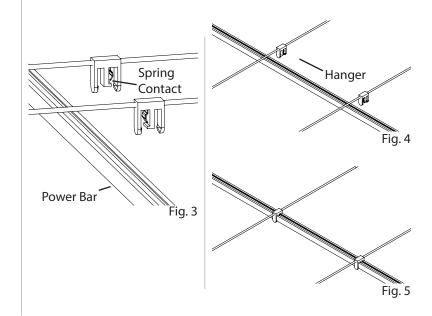
Single Rod Luminaire Hanger:

directions (Fig. 3).

1. Make sure Spring Contact of each Hanger opposes each other (Fig. 3). 2. Align Hanger with Power Bar (Fig. 4) and

Applies to Components: 1XB04SR16x-RG 1XDXXSR01x-xx

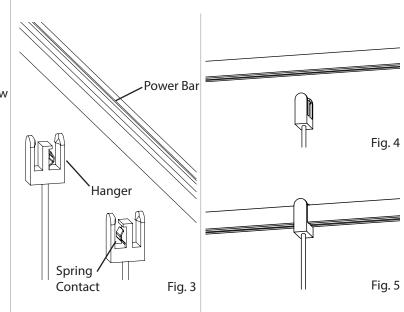
press up firmly on the bottom of the Power Bar, while pressing down on the top of the Hanger, until the Power Bar clicks into place (Fig. 5).



1XB04SRxxx 1XDXXSR01x-xx 1. Make sure Spring Contacts of each Hanger face opposite

Applies to Components:

2. Align Hanger with Power Bar (Fig. 4) and press down firmly on the top of the Power Bar, while pressing up on the bottom of the Hanger, until the Power Bar clicks into place. (Fig. 5)



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Luminaire



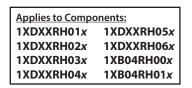


Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Precise Blade Mount Hanger and Precise Bar-Mounted Aimable Light Engine:

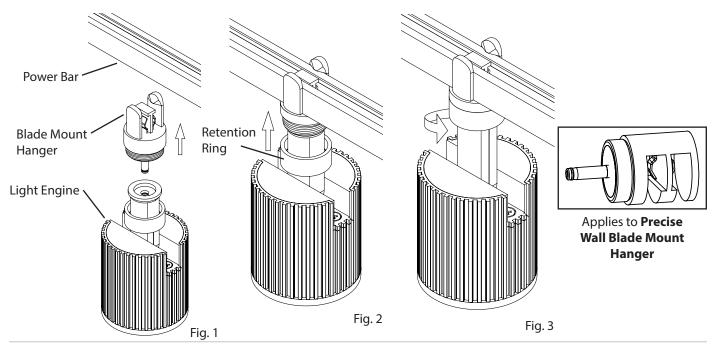
- 1. Align **Hanger** with **Power Bar** (Fig. 1) and press down firmly on the top of the Power Bar, while pressing up on the bottom of the Plug, until the Power Bar clicks into place (Fig. 2).
- 2. Align Light Engine with Blade Mount Hanger (Fig. 1), connect Light Engine to Blade Mount Hanger (Fig. 2).
- 3. Secure Light Engine to Blade Mount Hanger by screwing on Retention Ring (Fig. 3).



Applies to Components:

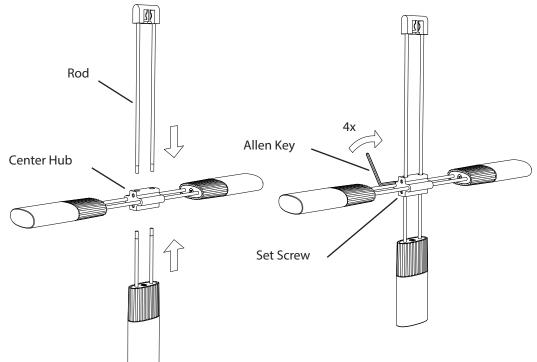
1XDXXHCxxx

1XB04HRxxx



Connecting an HCxx Luminaire to a Cluster Luminaire Hanger (Fig. 2):

- 1. Insert the two **Rods** of the **Cluster Luminaire Hanger** and the bottom **Luminaire** into the **Center Hub**.
- 2. Use the included Allen Key to tighten the four Set Screws.



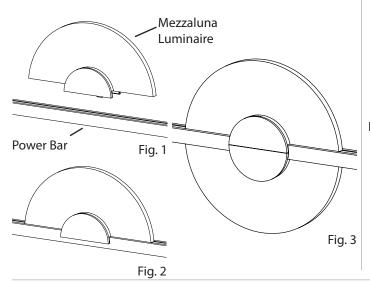
Assembly Instructions

Mezzaluna Luminaire:

1. Align **Luminaire** with **Power Bar** (Fig.1), press down firmly on the top of the Luminaire while pressing up of Applies to Components: 1XDXXCH06x

of the Luminaire, while pressing up on the bottom of the Power Bar, until the Power Bar clicks into place (Fig. 2).

2. Mezzaluna Luminaires can be assembled on top or on the bottom of the **Power Bar**. Two Luminaires can be assembled in the same location of the Power Bar on opposite sides (Fig. 3).



Precise Direct Mount:

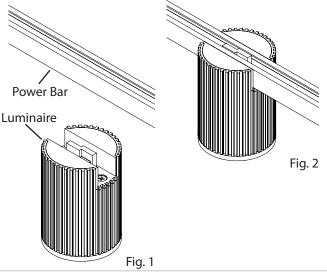
1. Align **Luminaire** with **Power Bar** (Fig. 1),

Applies to Components: 1XDXXCH01x-X 1XDXXCH05x-X 1XDXXCH04x-X

A WAY OF LIGHT

press up firmly on the bottom of the Luminaire, while pressing down on the top of the Power Bar, until the Power Bar clicks into place (Fig. 2).

Note: Precise Direct Mount Luminaires can be assembled on top or on the bottom of the **Power Bar**.

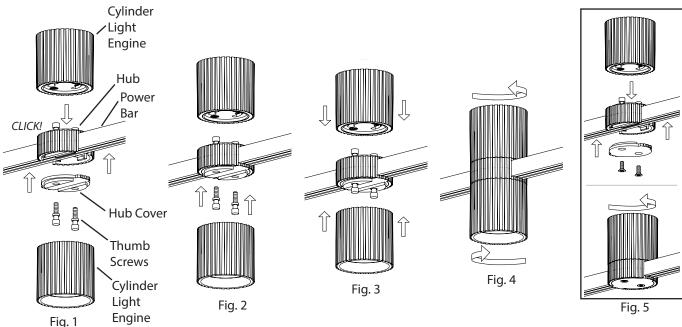


Connecting a Suspenders Precise Bar-Mounted Hub for Duplex Light Engines to a Power
Bar:
1 Place the Hub over the Dewer Par then pross down firmly on top of Hub while pressing up

1. Place the **Hub** over the **Power Bar** then press down firmly on top of **Hub**, while pressing up on the bottom of the **Power Bar**, until the Hub clicks into place (Fig. 1).

Applies to Components:		
1XB04CH00x	1XDXXCH03x	
1XB04CH01x	1XDXXCH04x	
1XDXXCH01x	1XDXXCH07x	

- 2. Attach the **Hub Cover** to the Hub, making sure the counter-sunk holes on the cover are facing inward. Secure using two small **Thumb Screws** (Fig. 2).
- 3. Install the **Cylinder Light Engine** to the **Hub** by inserting the contacts on the Hub into the slots on the Light Engine (Fig. 3), then twisting the Light Engine to the ends of the slots (Fig. 4). **Note:** Flip **Hub Cover** to change to single direction (Fig. 5).



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Suspenders Precise[™] **Trim Kits**

Assembly Instructions

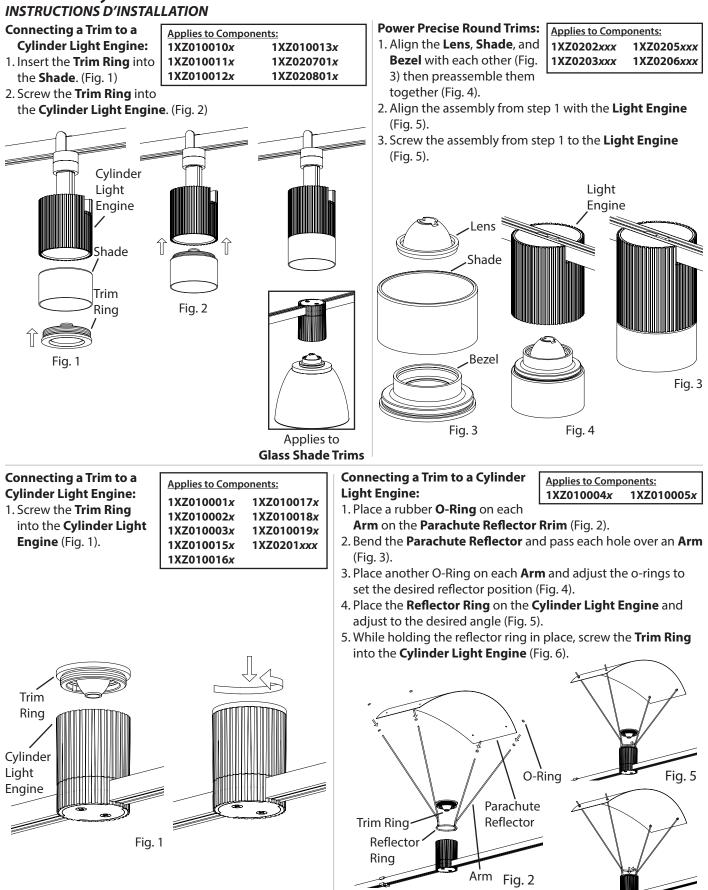


Fig. 6



1XZ03020xx

Applies to Components: 1XZ03010xx

1XZ03030xx

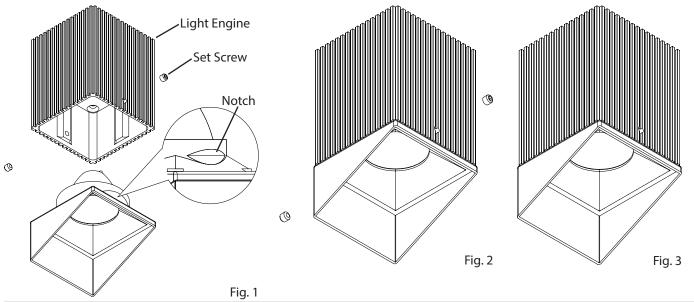
Applies to Components:

1XZ04000xx

Suspenders Precise[™] Trim Kits Assembly Instructions

Power Precise Square Trims:

- 1. Align Trim with Light Engine, make sure to align the Notch found on the Trim to the Set Screw found on the Light Engine (Fig. 1).
- 2. Insert the Trim into the Light Engine (Fig. 2).
- 3. Secure the Trim by screwing in the Set Screws (Fig. 3).



Precise Cell Luminaire Trims:

Beam

Angle Mark

D10

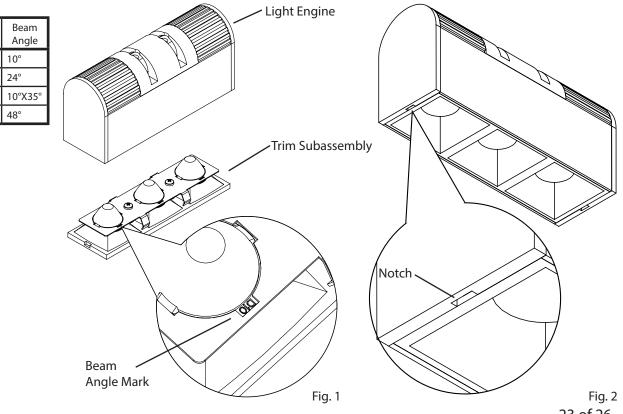
D24

D48

10X35

1. Align Trim Subassembly with Light Engine. Note: Beam Angle Mark is visible on the Trim Subassembly (Fig. 1).

- 2. Snap Trim Subassembly into Light Engine, press up firmly on the bottom of the Trim Subassembly, while pressing down
- on the top of the Light Engine, until the Trim Subassembly clicks into place (Fig. 2). Note: Use the Notch on the enclosure to help detach the trim.



Component Index

Item Number	Page	Item Number	Page	Item Number	Page
	_				
1XC02XX12x		1XB02TR06x-EX		1XDXXRH02x	
1XC02XX24x		1XB03TR16x-EN		1XDXXRH03x	
1XC01XX12x		1XB03TR16x-EX		1XDXXRH04x	
1XC01XX24x		1XB02TR20x-EN		1XDXXRH05x	
1XC01XX36x		1XB02TR20x-EX	11	1XDXXRH06x	
1XC01XX48x		1XZ05000xx		1XB04RH00x	
1XC01XX72x		1XB03PR00x		1XB04RH01x	20
1XC01XX96x	2	1XB03IB00x		1XDXXHCxxx	20
1XB01SC06x	3	1XB03DC16x	12	1XB04HRxxx	
1XB01SC20x	3	1XDXXRPxxx	13	1XDXXCH06x	21
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1XB01DC20x	3	1XB04RDxxx	13	1XB04CH00x	21
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1XB01DR12x	3	1XB04RDxxx	14	1XDXXCH01x	21
1XB01DR18x	3	1XDXXRH07x	14	1XDXXCH03x	21
1XB01IC06x	3	1XDXXCL14x-XX	15	1XDXXCH04x	21
1XB01IC20x	3	1XDXXCL16x-XX	15	1XDXXCH07x	21
1XB01PT00x	4	1XZ990007x	15	1XZ010010x	22
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1XB02SB20x	5	1XDXXCL13x	15	1XZ010012x	22
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1XB02SB20x-ST	5	1XDXXVCxxx-xx	15	1XZ020701x	22
1XB02RB06x	5	1XB04CL09x	16	1XZ020801x	22
1XB02RB20x	5	1XB04CL18x	16	1XZ0202xxx	22
1XB02SR18x	5	1XDXXCL01x	16	1XZ0203xxx	22
1XB02IB06x	6	1XDXXCL02x	16	1XZ0205xxx	22
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1XB02WL01x	7	1XDXXLB36x	18	1XZ010016x	22
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1XB03ARxxx		1XDXXLBxxx-S	18	1XZ010004x	
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1XB03PRxxx		1XDXXSR01x-xx		1XZ03010xx	
1XB03RDxxx		1XB04SR16x-RG		1XZ03020xx	
1XB03RSxxx		1XDXXSR01x-xx		1XZ03030xx	
1XB02TR06x-EN		1XDXXRH01x		1XZ04000xx	
			-	· · · · · · · ·	-

ONNFMA A WAY OF LIGHT

Power Feed Installation

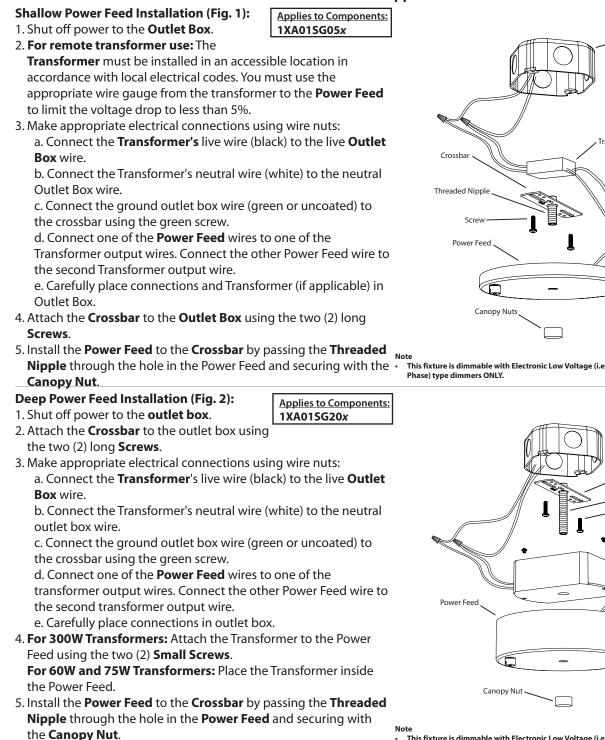
Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing components and before cleaning or other maintenance.
- Consult a gualified, licensed electrician to ensure correct branch circuit conductor.

Consulter un électricien qualifié pour vous assurer que les conducteurs de la dérivation sont adéquats. Note: For alternative Power Feed Installation see attached Appendix A.



This fixture is dimmable with Electronic Low Voltage (i.e., Trailing-Edge/Reverse Phase) type dimmers ONLY.

Fia. 2

Outlet Box

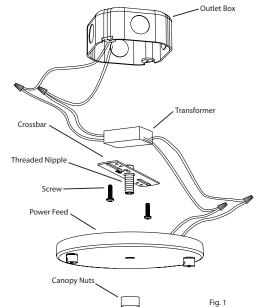
Crossbai

Threaded Nipple

Screw

Small Screw

Transforme



This fixture is dimmable with Electronic Low Voltage (i.e., Trailing-Edge/Reverse

June 10, 2019

Power Feed Installation

A WAY OF LIGHT
Applies to Component:
1XA06DB02x

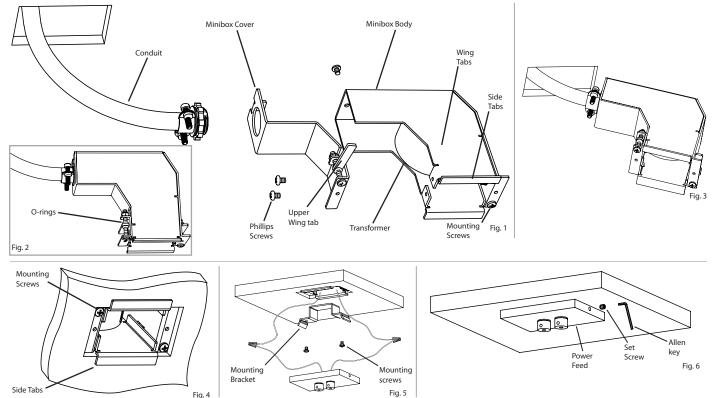
Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing components and before cleaning or other maintenance.
- Consult a qualified, licensed electrician to ensure correct branch circuit conductor.

Consulter un électricien qualifié pour vous assurer que les conducteurs de la dérivation sont adéquats.



- 1. For remote transformer use: The Transformer must be installed in an accessible location in accordance with local electrical codes. You must use the appropriate wire gauge from the Transformer to the **Power Feed** to limit the voltage drop to less than 5%.
- 2. Shut off power to the branch circuit conductor.
- 3. Cut an opening in the mounting surface (minimum 3/8" thick) that measures 1.5" wide by 2.75" high (Fig. 1).
- 4. Pull 1/2 trade size flexible metal conduit or building cable through the opening (Fig. 1).
- 5. Remove the three Phillips Screws and separate the Minibox into Upper and Lower Halves (Fig. 1).
- 6. Remove the knockout tab from the **Upper Half** and attach the **Cable/Conduit** to the knockout opening using appropriate connectors (Note: Cable/ Conduit and connectors not included) (Fig. 1).
- 7. Make appropriate electrical connections using wire nuts:
 - a. Connect the Transformer's live wire (black) to the live Outlet Box wire.
 - b. Connect the Transformer's neutral wire (white) to the neutral Outlet Box wire.
 - c. Connect the ground wire (green) to the outlet box ground screw.
 - d. For 60W and 75W unhoused Transformers only: Carefully place connections and transformer in Lower Half, with the connections in the section near the knockout (Fig. 1).
- 8. Flip Wing Tabs inward so that the Minibox will fit into the drywall opening (Fig. 2).
- 9. Reattach upper and lower halves by installing the three Phillips Screws removed previously (Fig. 1).
- 10. Loosen the two **Mounting Screws** on the front face of the Minibox until the gap between the **Wing Tabs** and the **Side Tabs** is greater than the thickness of the mounting surface (Fig. 1).
- 11. Flip **Wing Tabs** inward so that the Minibox will fit into the drywall opening (Fig. 2).
- 12. Slide O-rings along Mounting Screws so that they are flush against the Wing Tabs (Fig. 2).
- 13. Feed the Minibox into the wall opening at a slight angle (Fig. 3) until the Side Tabs are pressed against the mounting surface (Fig. 3).
- 14. While keeping the side tabs pressed against the mounting surface, secure the Minibox to the mounting surface by tightening the two **Mounting Screws** (Fig. 4).
- 15. Make appropriate electrical connections using wire nuts: Connect one of the **Power Feed** wires to one of the **Transformer** output wires. Connect the other **Power Feed** wire to the second Transformer output wire. Carefully place connections in the Minibox (Fig. 5).
- 16. Attach Mounting Bracket to Minibox with two Mounting Screws (Fig. 5).
- 17. Attach Power Feed to Mounting Bracket. Secure using Set Screw and included Allen key (Fig. 6).

Note

This fixture is dimmable with Electronic Low Voltage (i.e., Trailing-Edge/Reverse Phase) type dimmers ONLY.



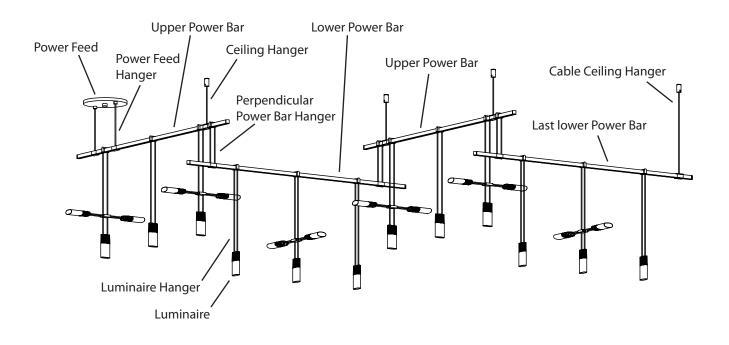
Suspenders[®] - Zig-Zag Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing components and before cleaning or other maintenance.
- Consult a qualified, licensed electrician to ensure correct branch circuit conductor.
 Consulter un électricien qualifié pour vous assurer que les conducteurs de la dérivation sont adéquats.



1. Shut off power to the outlet box.

- 2. Assemble the **Power Feed** as shown on page 25.
- 3. Connect one of the **Upper Power Bars** to the **Power Feed** on one end using the **Power Feed Hangers** as shown on page 3, and to the ceiling on the other end using the **Ceiling Hanger** as shown on page 5-6.
- 4. Connect the other **Upper Power Bar(s)** to the ceiling offset and parallel to the first using the **Ceiling Hangers** as shown on page 5-6.
- 5. Connect the Lower Power Bar(s) to the Upper Power Bars using the Perpendicular Power Bar Hangers. 4-Bar Configuration Only: Connect the free end of the Last Lower Power Bar to the ceiling using the Cable Ceiling Hanger as shown on page 9-10.
- 6. Connect the Luminaire Hangers to the Power Bars as shown on pages 13-21.
- 7. Connect the Luminaires to the Luminaire Hangers as shown on pages 13-21.
- 8. Restore power to the outlet box.

Note

• This fixture is dimmable with Electronic Low Voltage (i.e., Trailing-Edge/Reverse Phase) type dimmers ONLY.