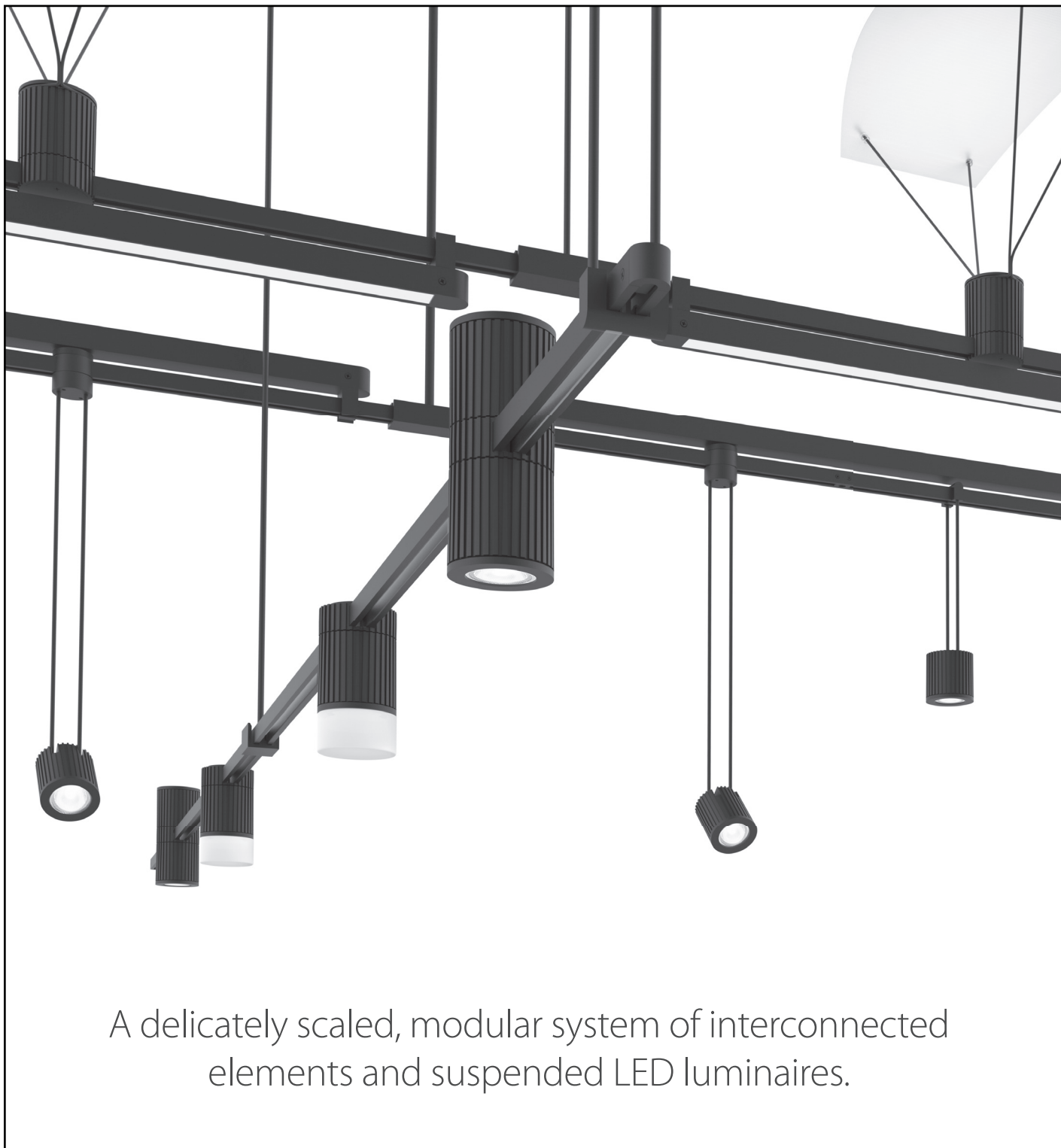




A delicately scaled, modular system of interconnected elements and suspended LED luminaires.

suspenders[®]

assembly instructions

SONNEMAN[®]
A WAY OF LIGHT

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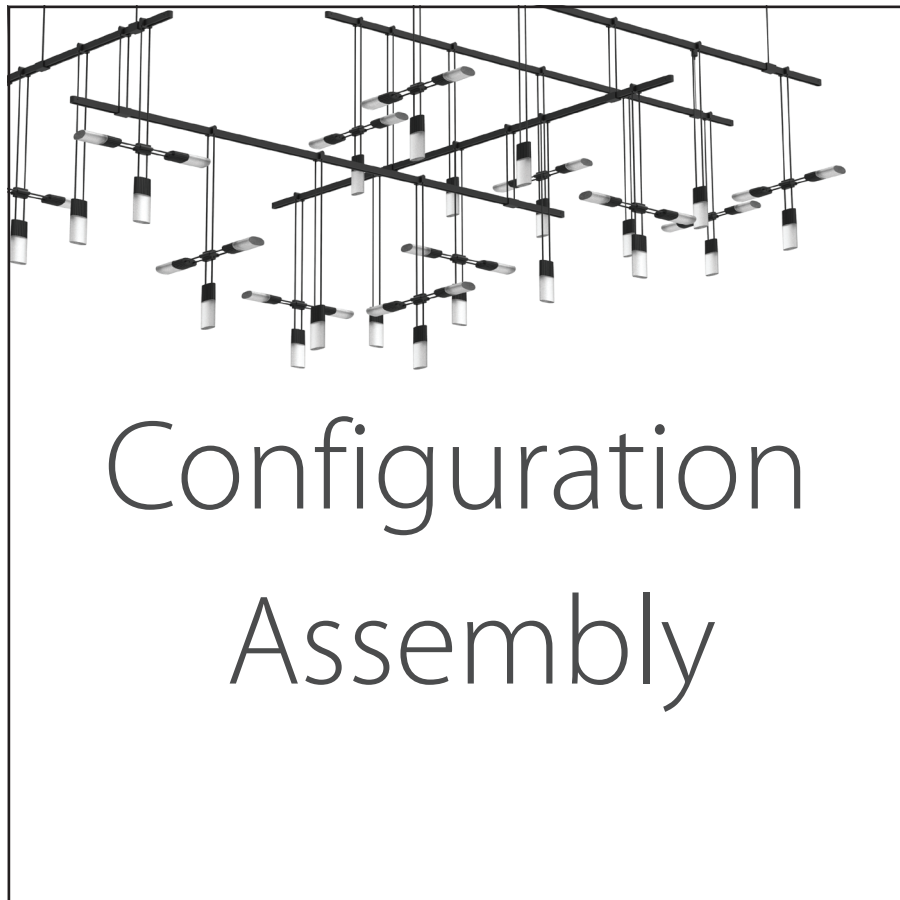
suspenders®

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Suspenders® Product Information and Warnings

Important

- **Always disconnect the power before installing or replacing Luminaires 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.



Configuration Assembly

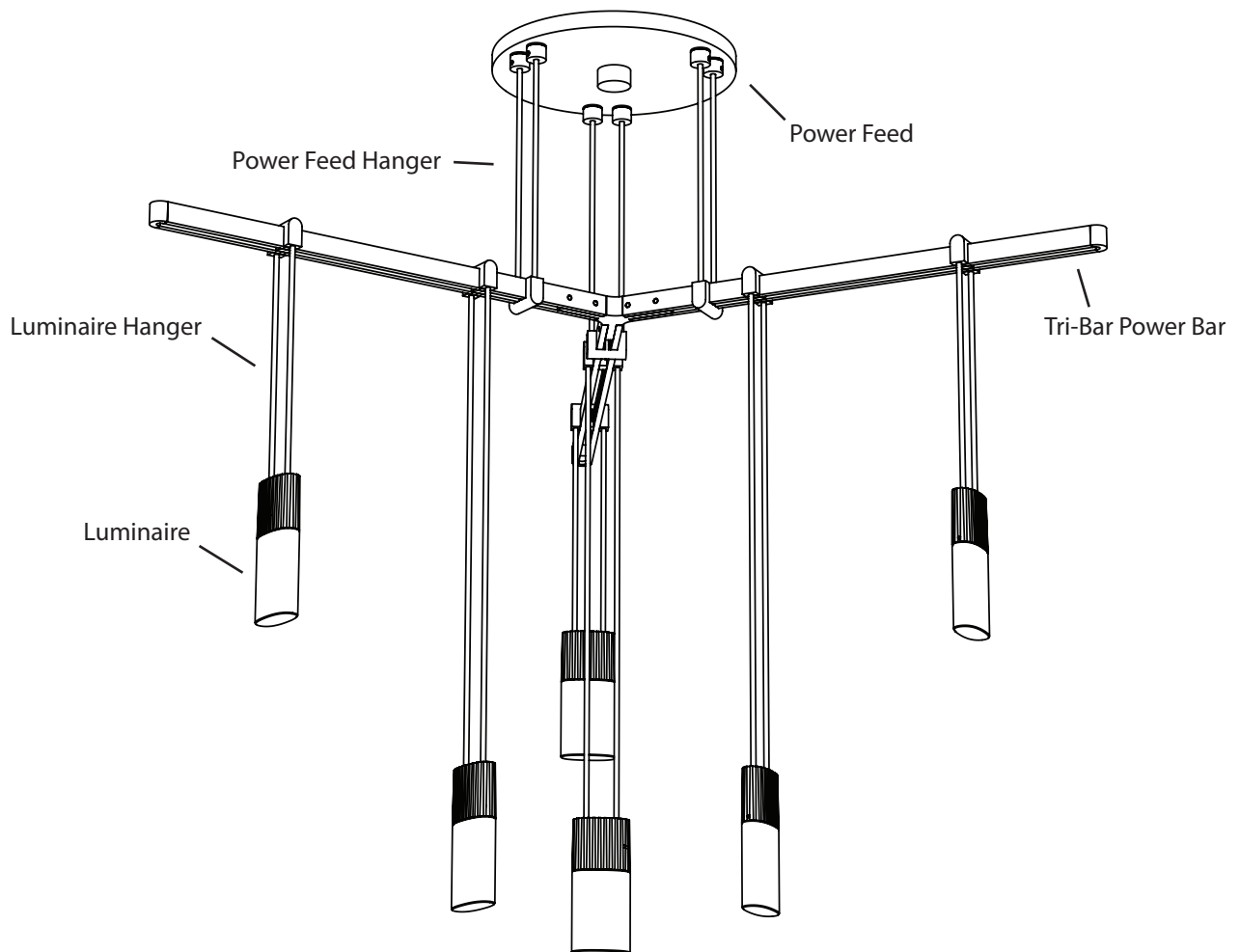
Suspenders® - 1-Tier Tri-Bar Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Assemble the **Tri-Bar Power Bar** as shown on page 33.
4. Connect the **Power Feed Hangers** to the Tri-Bar Power Bar so they are aligned with the lines on top of the Power Bar.
5. Connect the Power Feed Hangers to the Power Feed as shown on page 28.
6. Connect the **Luminaire Hangers** to the **Luminaires** as shown on pages 36-43.
7. Connect the Luminaire Hangers to the Tri-Bar Power Bar as shown on pages 36-43.
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**.

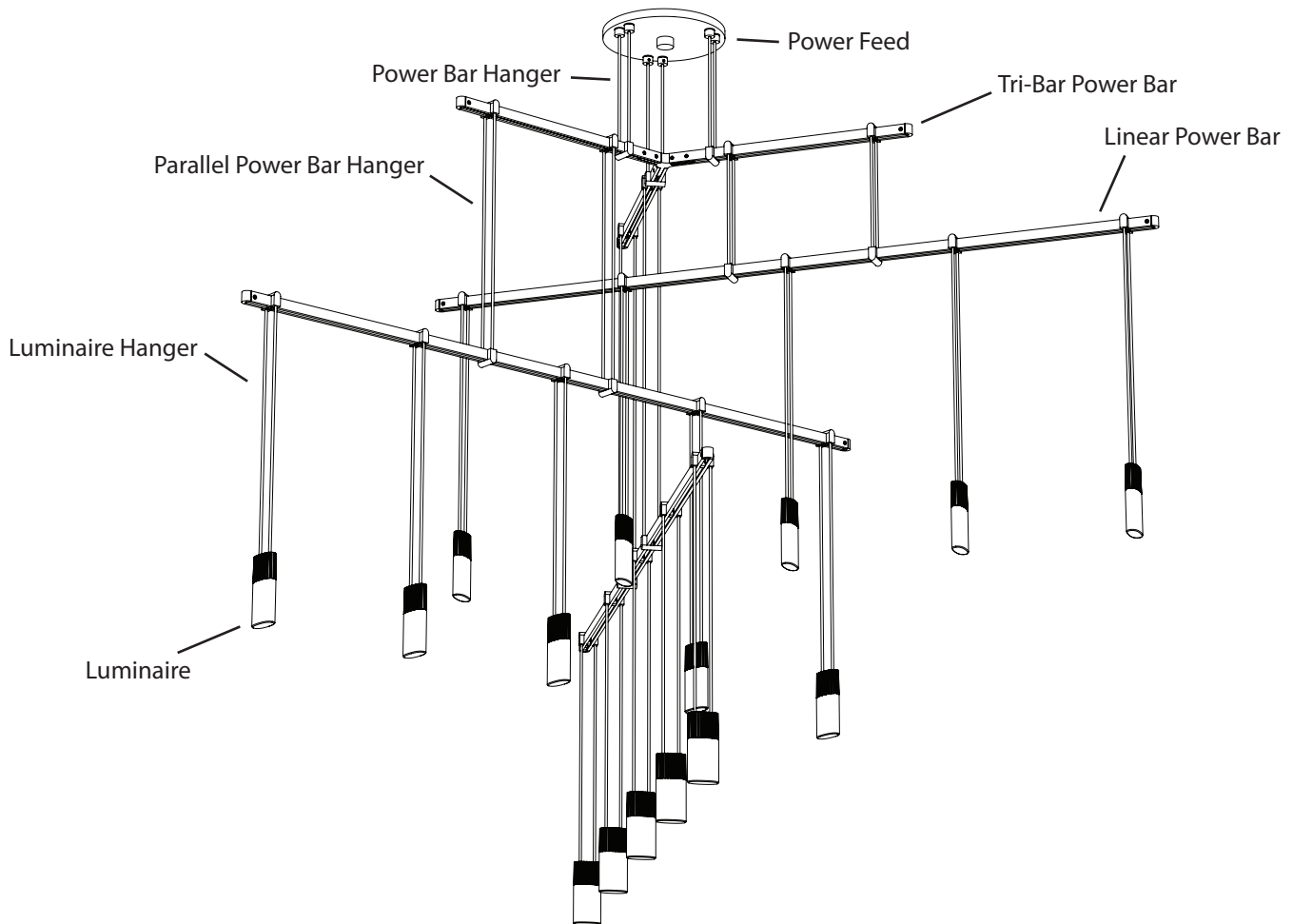
Suspenders® - 4-Tier Tri-Bar Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Assemble the **Tri-Bar Power Bar** as shown on page 33.
4. Connect the **Power Feed Hangers** to the Tri-Bar Power Bar so they are aligned with the lines on top of the Power Bar.
5. Connect the Power Feed Hangers to the Power Feed as shown on page 28.
6. Connect the **Parallel Power Bar Hangers** to each arm of the Tri-Bar Power Bar as shown on page 34.
7. Connect each of the three **linear Power Bars** to the Parallel Power Bar Hangers as shown on page 34.
8. Connect the **Luminaire Hangers** to the linear Power Bars as shown on pages 36-43.
9. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
10. Restore power to the outlet box.

Note

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

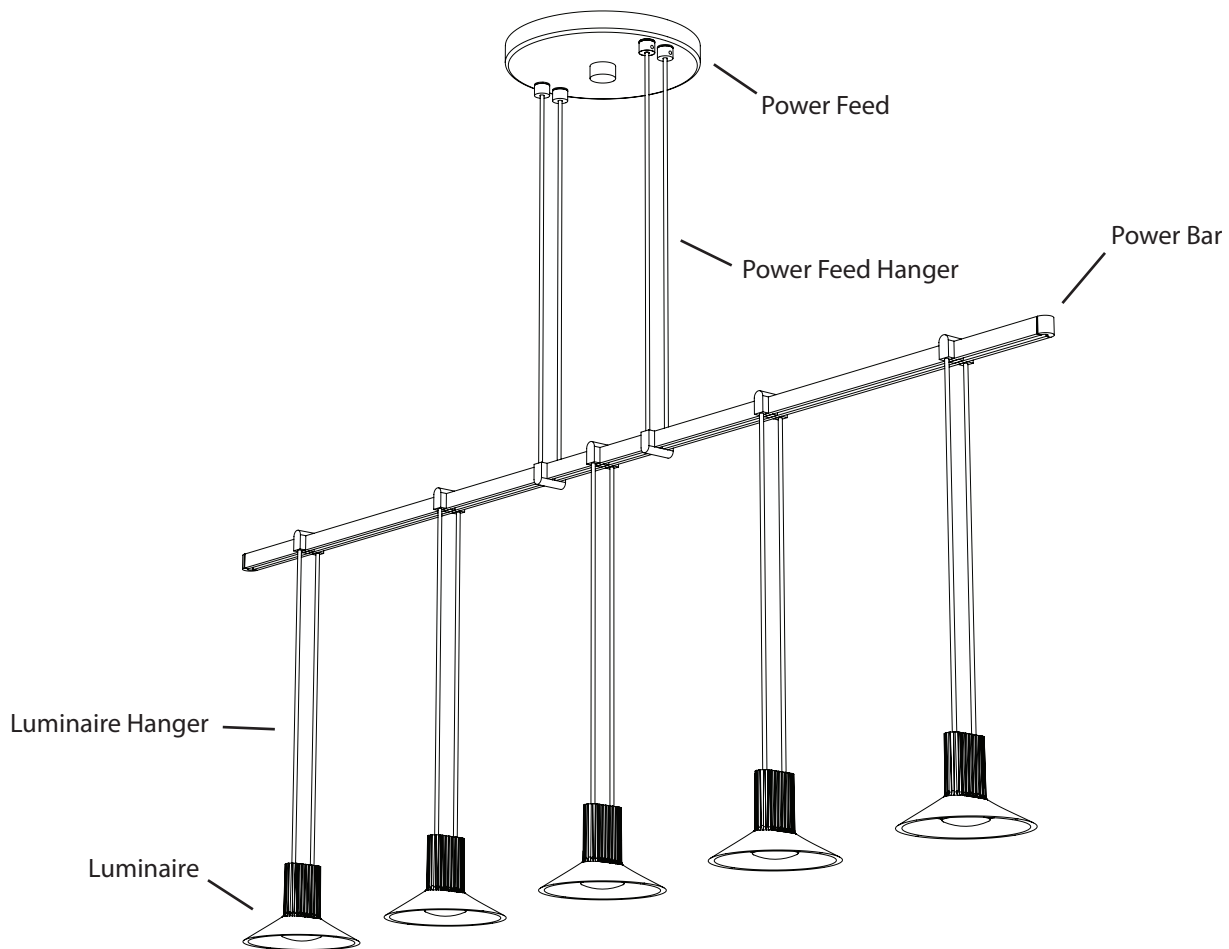
Suspenders® - 1-Tier Linear Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Connect the **Power Feed Hangers** to the Power Feed as shown on page 28.
4. Connect the **Power Bar** the Power Feed Hangers as shown on page 28.
5. Connect the **Luminaire Hangers** to the Power Bar as shown on pages 36-43.
6. Connect the **luminaires** to the Luminaire Hangers as shown on pages 36-43.
7. Restore power to the outlet box.

Note

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

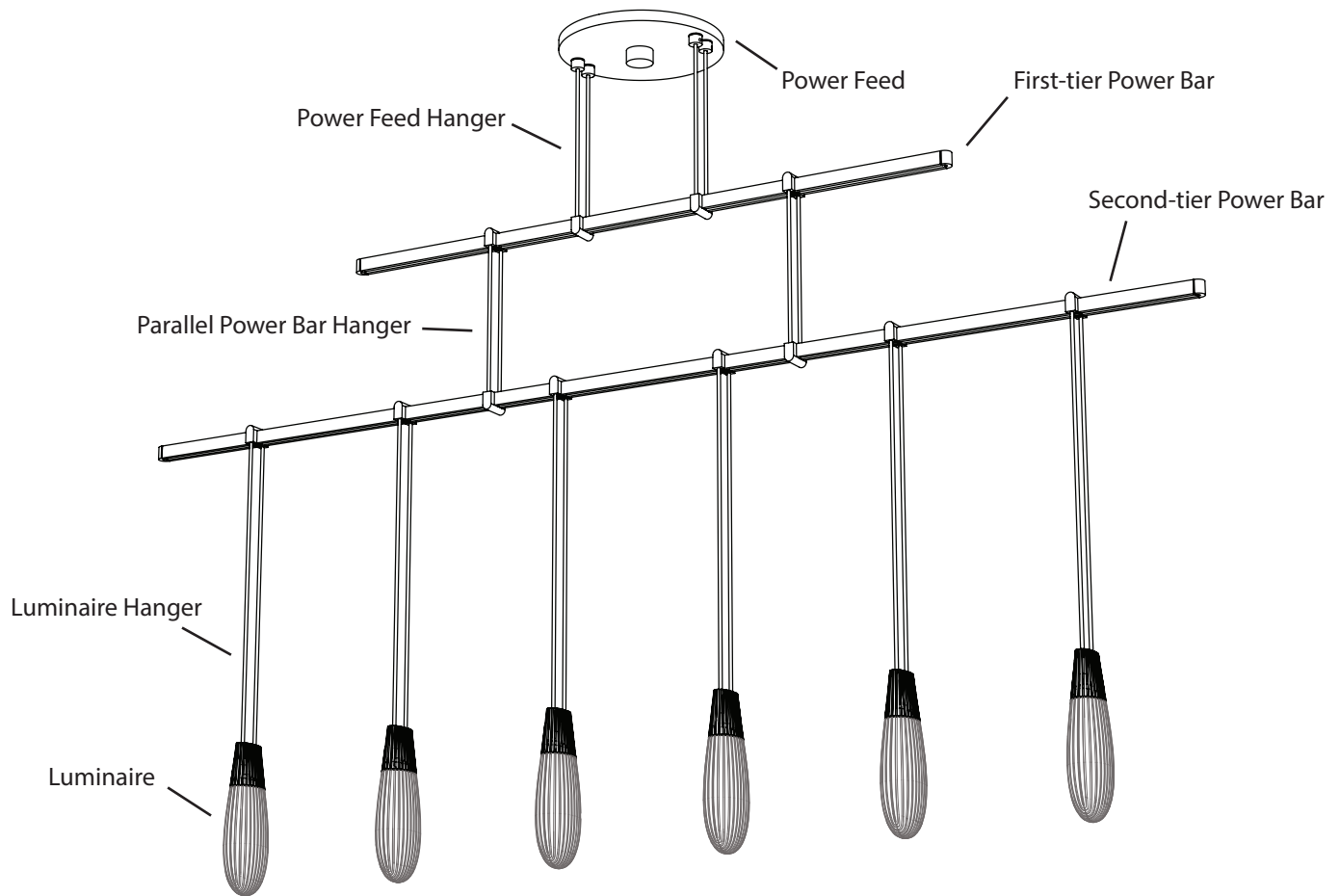
Suspenders® - 2-Tier Linear Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Connect the **Power Feed Hangers** to the Power Feed as shown on page 28.
4. Connect the **first-tier Power Bar** to the Power Feed Hanger as shown on page 28.
5. Connect the **second-tier Power Bar** to the first-tier Power Bar using the **Parallel Power Bar Hangers** as shown on page 34.
6. Connect the **Luminaire Hangers** to the second-tier Power Bar as shown on pages 36-43.
7. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
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.

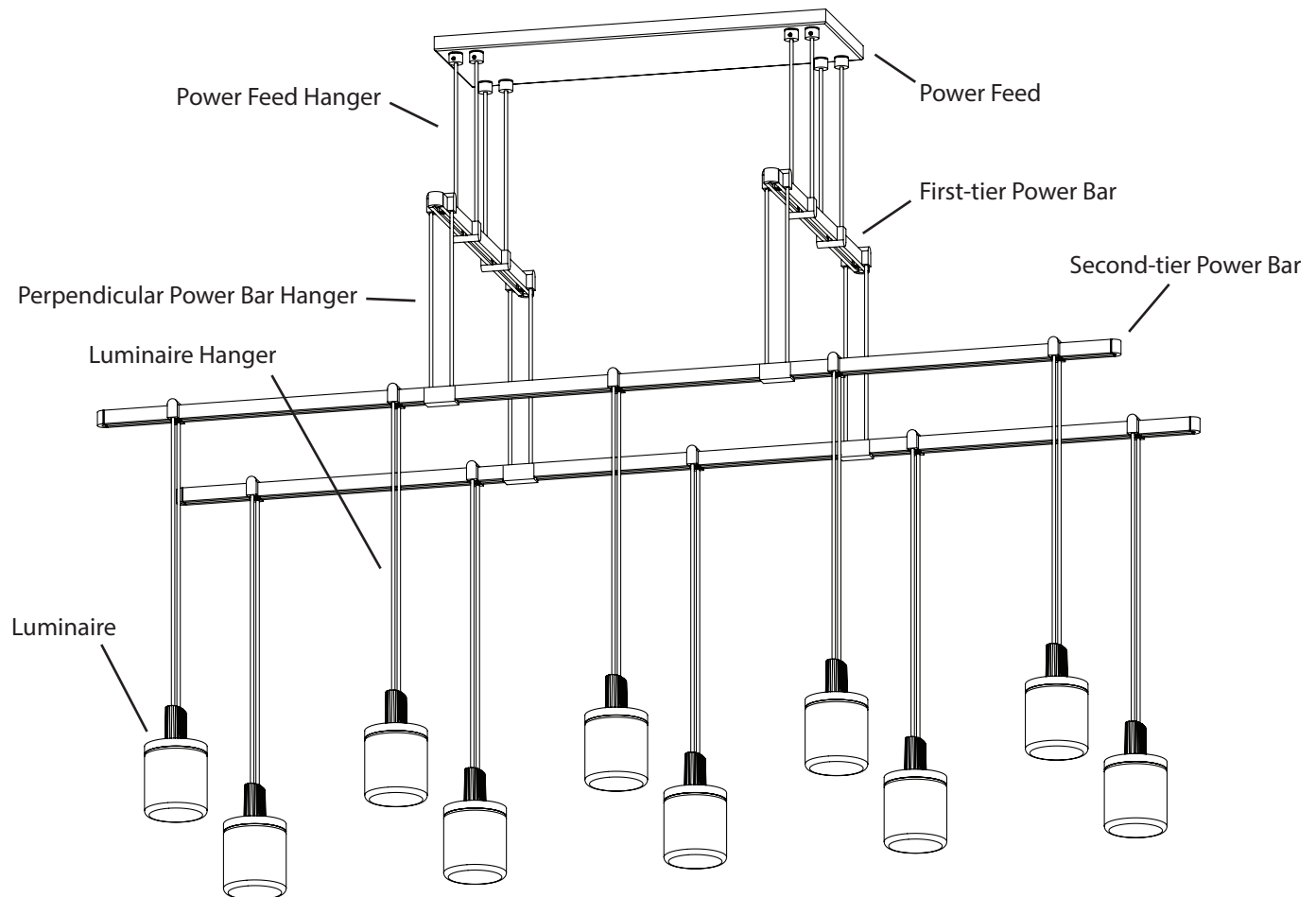
Suspenders® - 2-Tier Tandem Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 20.
3. Connect the **Power Feed Hangers** to the Power Feed as shown on page 28.
4. Connect the **first-tier Power Bars** to the Power Feed Hangers as shown on page 28.
5. Connect the **second-tier Power Bars** to the first-tier Power Bars using the **Perpendicular Power Bar Hangers** as shown on page 34 or using the **Perpendicular Power Bar Hangers v2** as shown on page 35.
6. Connect the **Luminaire Hangers** to the second-tier Power Bars as shown on pages 36-43.
7. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
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.

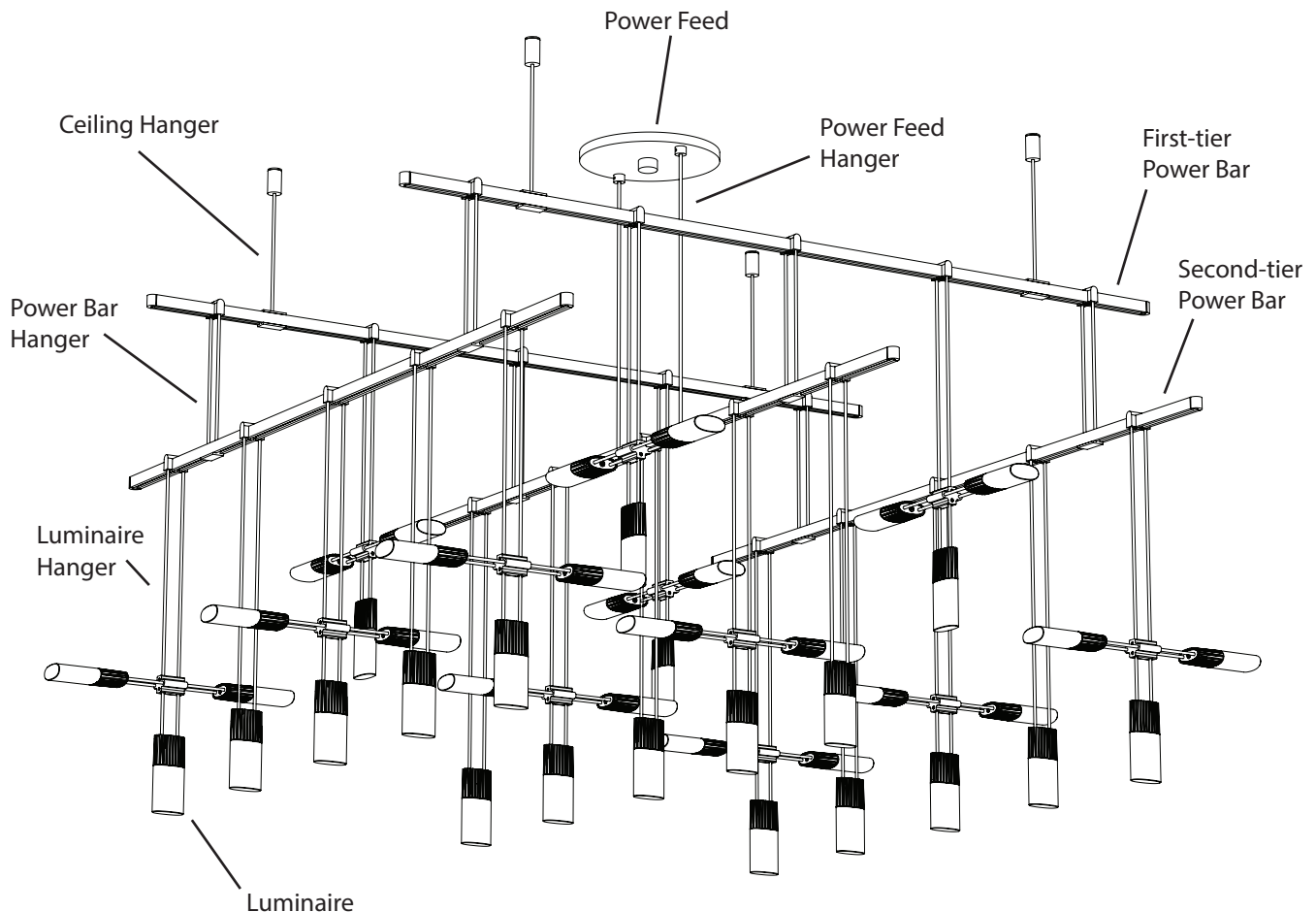
Suspenders® - 2-Tier Grid Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Connect the **second-tier Power Bars** to the **first-tier Power Bars** using the **perpendicular Power Bar Hangers** as shown on page 34 or using the **perpendicular Power Bar Hangers v2** as shown on page 35.
4. Connect the **Ceiling Hangers** to the first-tier Power Bars and install in the ceiling as shown on page 30.
5. Connect the center second-tier Power Bar to the Power Feed using the Cord **Power Feed Hangers** as shown on page 28.
6. Connect the **Luminaire Hangers** to the Power Bars as shown on pages 36-43.
7. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
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.

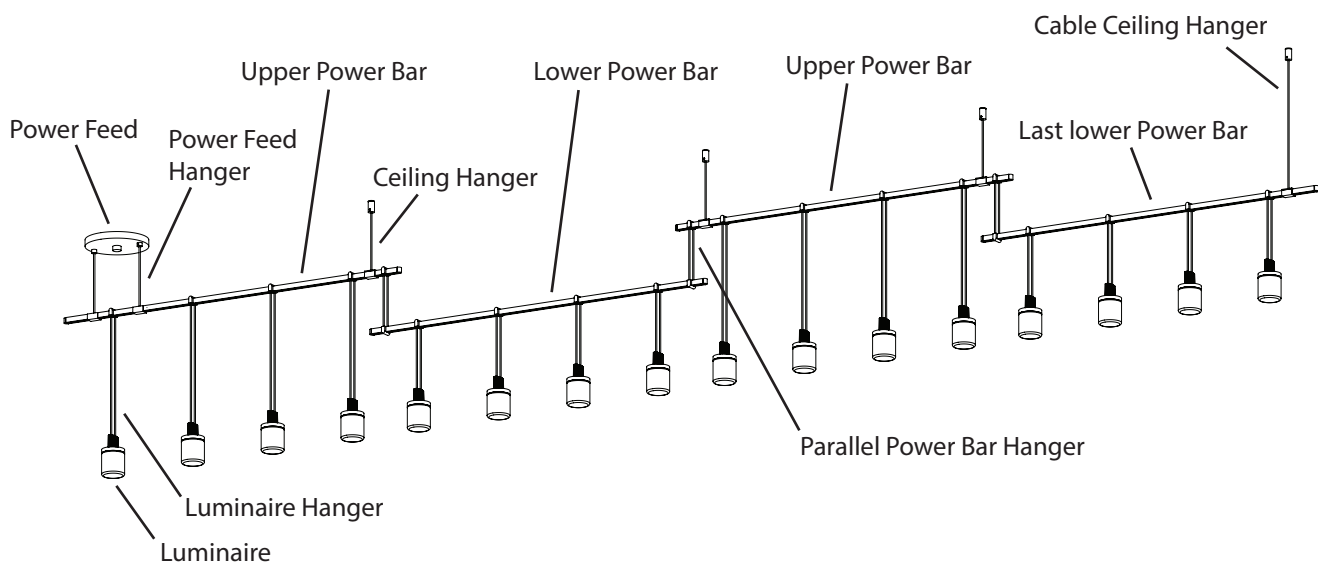
Suspenders® - Offset Linear Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Connect one of the **upper Power Bars** to the Power Feed on one end using the **Power Feed Hangers** as shown on page 28, and to the ceiling on the other end using the **Ceiling Hanger** as shown on page 30.
4. Connect the other upper Power Bar(s) to the ceiling in line with the first using the Ceiling Hangers as shown on page 30.
5. Connect the **lower Power Bar(s)** to the upper Power Bars using the **Parallel Power Bar Hangers** as shown on page 34.
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 30.
6. Connect the **Luminaire Hangers** to the Power Bars as shown on pages 36-43.
7. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
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.

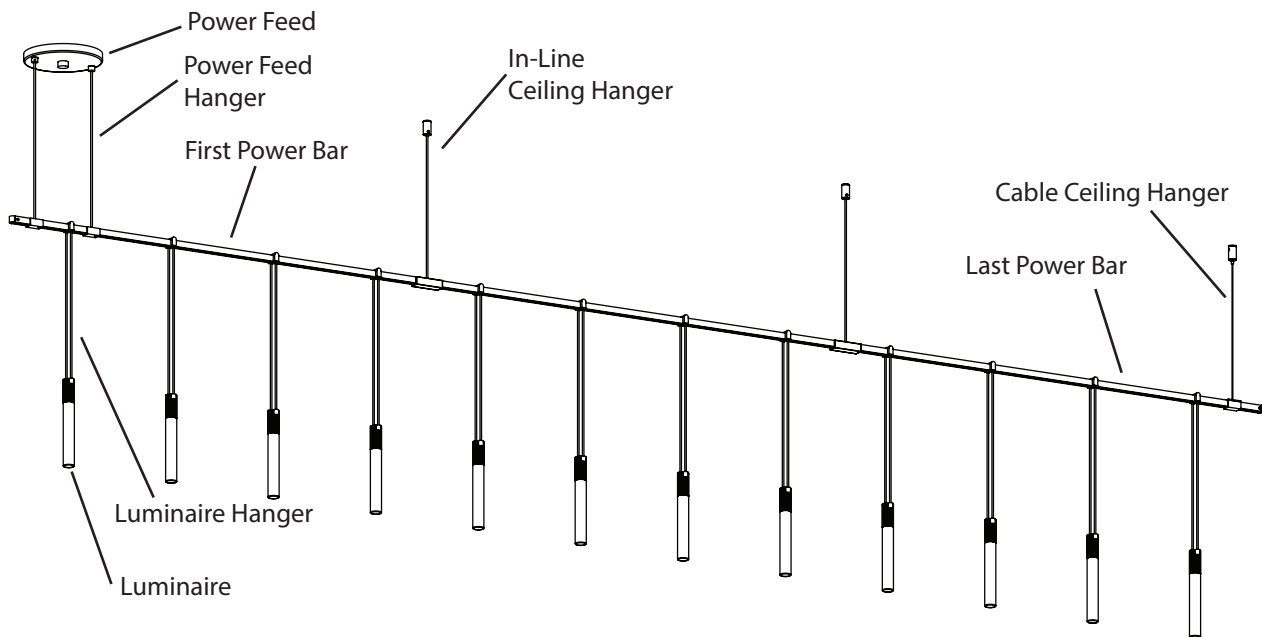
Suspenders® - In-Line Linear Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Connect the **first Power Bar** to the Power Feed on one end using the **Power Feed Hangers** as shown on page 28, and to the ceiling on the other end using the **In-Line Ceiling Hanger** as shown on page 32.
4. Connect the subsequent Power Bars to the ceiling using In-Line Ceiling Hangers on each end. Connect the free end of the **last Power Bar** to the ceiling using a **Ceiling Hanger** as shown on page 30.
5. Connect the **Luminaire Hangers** to the Power Bars as shown on pages 36-43.
6. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
7. Restore power to the outlet box.

Note

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

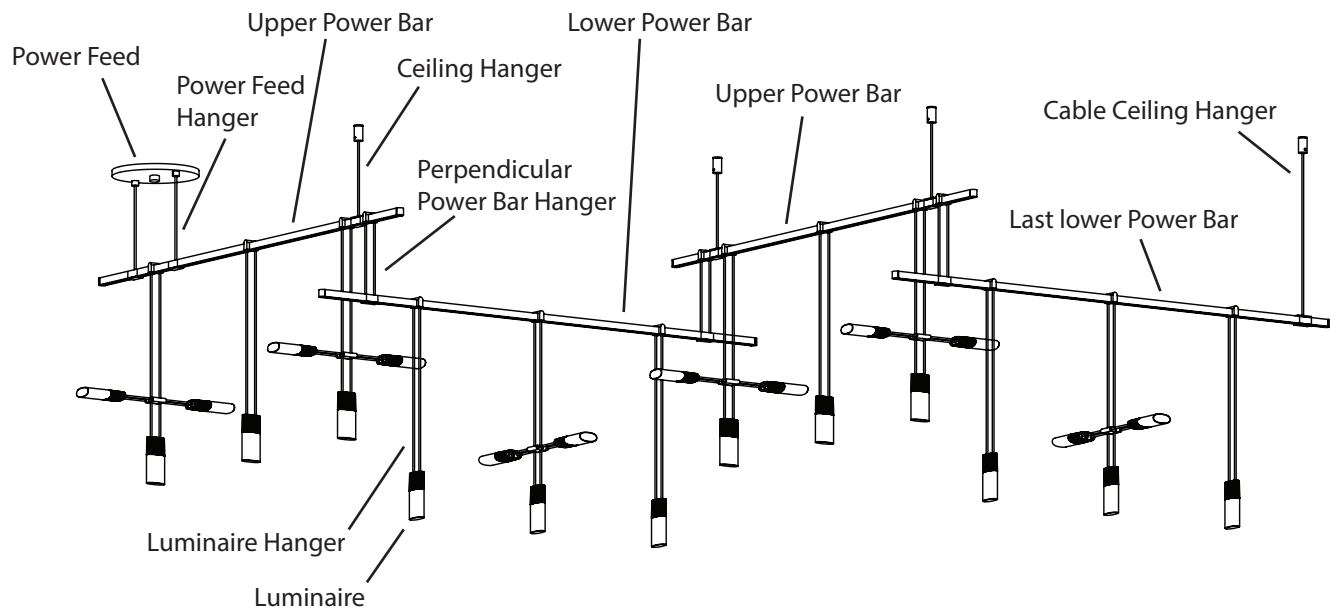
Suspenders® - Zig-Zag Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Connect one of the **upper Power Bars** to the Power Feed on one end using the **Power Feed Hangers** as shown on page 27, and to the ceiling on the other end using the **Ceiling Hanger** as shown on page 30.
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 30.
5. Connect the **lower Power Bar(s)** to the upper Power Bars using the **perpendicular Power Bar Hangers** or using the **perpendicular Power Bar Hangers v2** as shown on page 35.
- 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 30.
6. Connect the **Luminaire Hangers** to the Power Bars as shown on pages 36-43.
7. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
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.

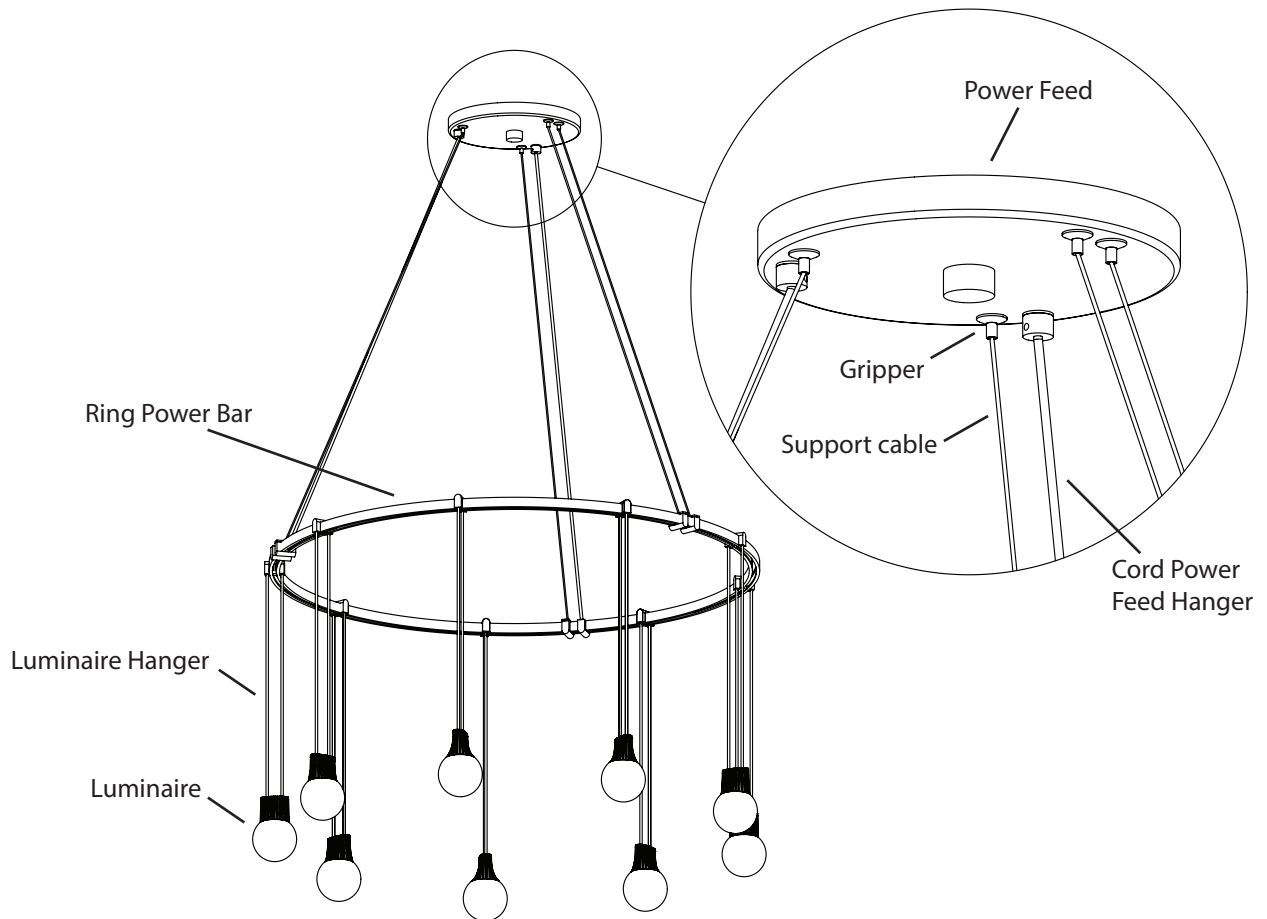
Suspenders® - Single Ring Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Determine desired hanging height, and cut the **support cables** to length plus 3 inches. Connect the **Ring Power Bar** to the Power Feed by inserting the support cables into the **grippers** and adjusting to the desired length: to shorten, push the cable up; to lengthen, push in the gripper plunger while pulling down on the cable, release the plunger to lock.
4. Connect the **Cord Power Feed Hangers** to the Power Feed as shown on page 28.
5. Connect the **Luminaire Hangers** the Ring Power Bar as shown on pages 36-43.
6. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
7. Restore power to the outlet box.

Note

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

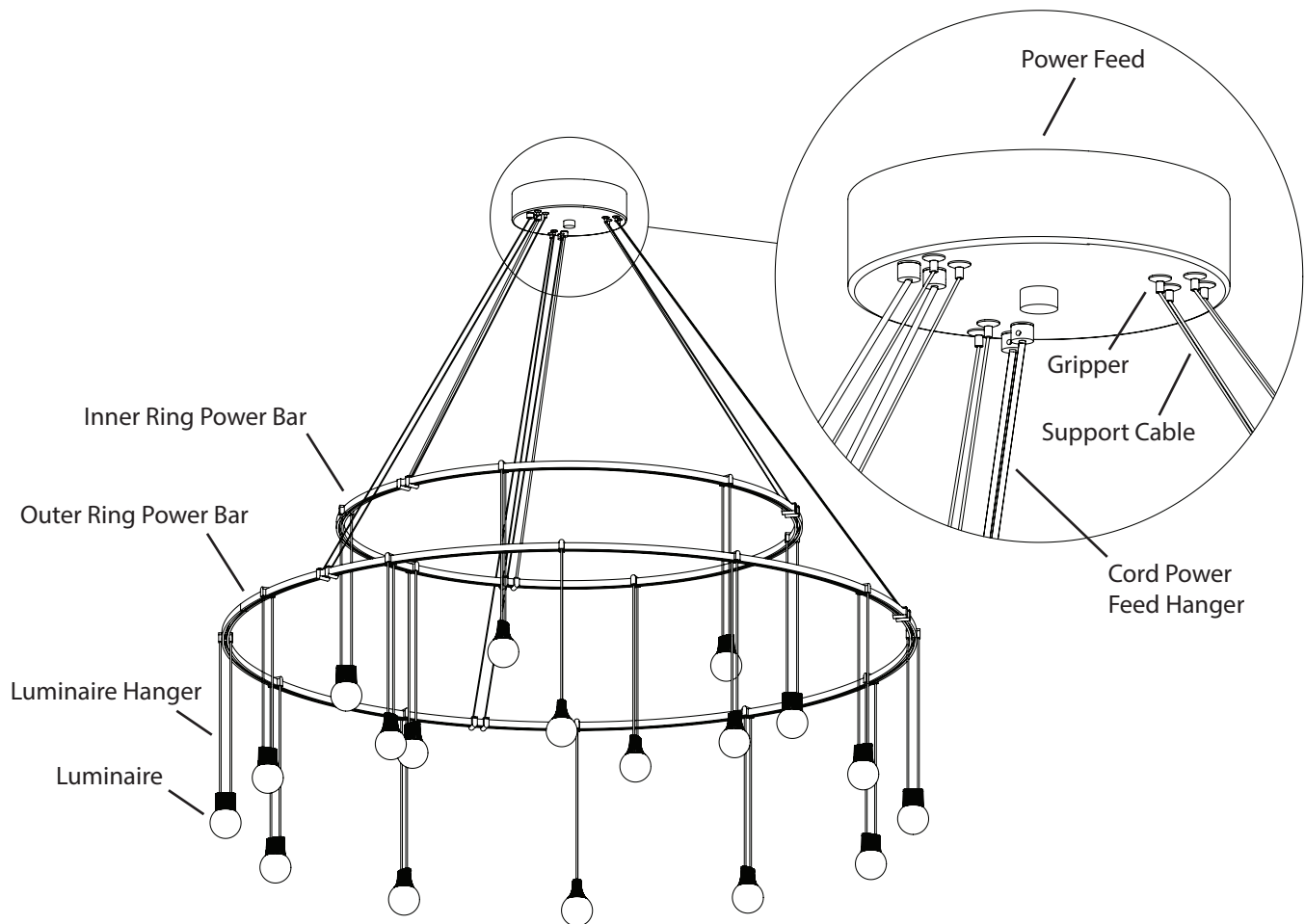
Suspenders® - Double Ring Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 19.
3. Determine desired hanging height, and cut the **support cables** to length plus 3 inches. Connect the **inner Ring Power Bar** to the Power Feed by inserting the support cables into the **grippers** and adjusting to the desired length: to shorten, push the cable up; to lengthen, push in the gripper plunger while pulling down on the cable, release the plunger to lock. Connect the inner ring **Cord Power Feed Hangers** to the Power Feed as shown on page 28.
Note: The inner Ring Power Bar cables and cords should connect to the inner set of Power Feed bushings and grippers.
4. Repeat Step 3 for the **outer Ring Power Bar**.
Note: The outer Ring Power Bar cables and cords should connect to the outer set of Power Feed bushings and grippers.
5. Connect the **Luminaire Hangers** to the Ring Power Bars as shown on pages 36-43.
6. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
7. Restore power to the outlet box.

Note

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

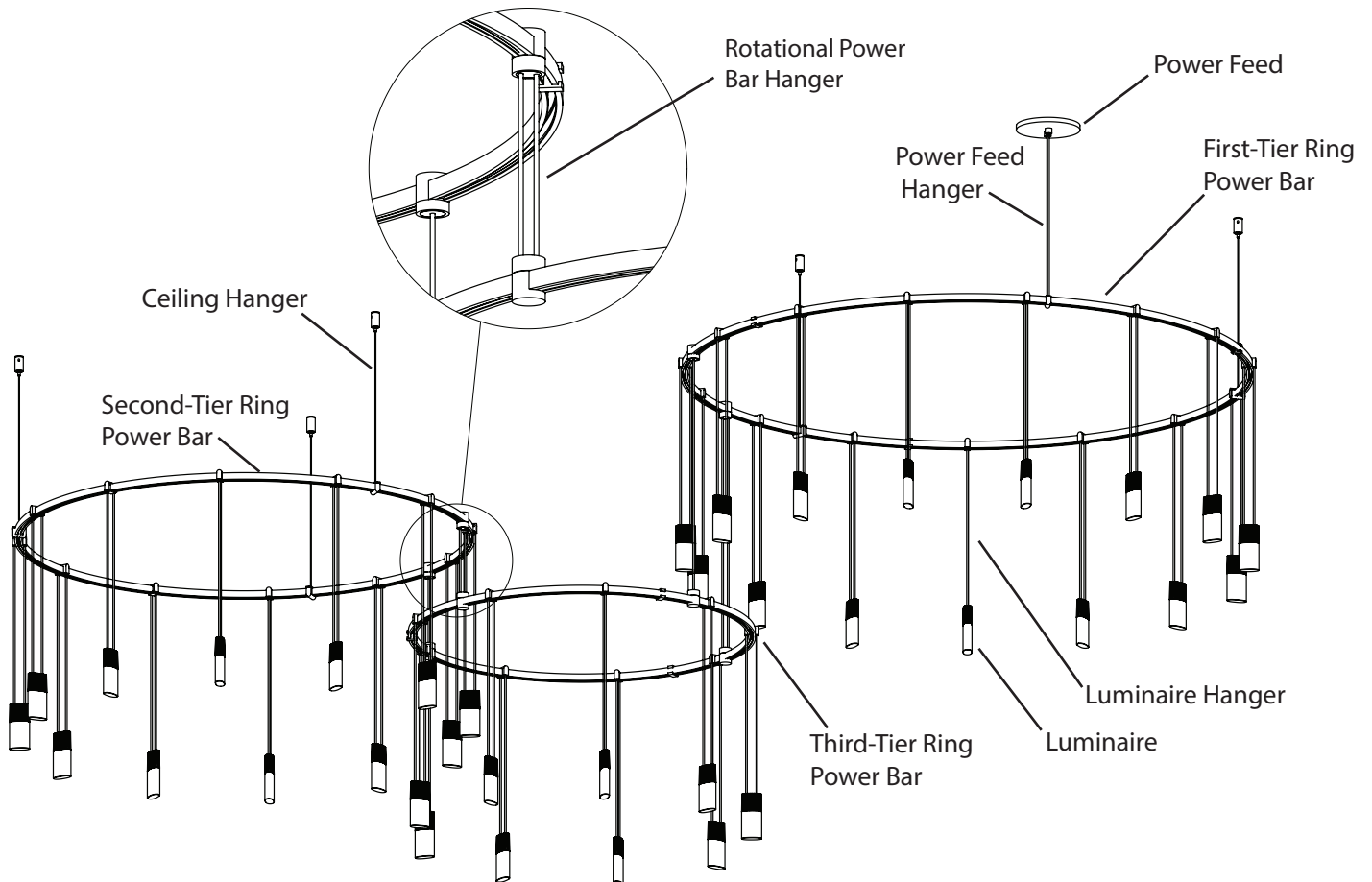
Suspenders® - Offset Ring Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 20.
3. Hang the First-Tier Ring Power Bar(s) from three evenly spaced **Ceiling Hangers**, as shown on page 31, per bar. If the Power Feed is above a First-Tier Ring Power Bar, replace one Ceiling Hanger with a **Power Feed Hanger** and connect the Ring Power Bar to the Power Feed as shown on page 29.
3-Bar Configuration Only: If arranging the Ring Power Bars in a 2-tier configuration with two Ring Power Bars in the first tier, the Power Feed must be connected to a First-Tier Ring Power Bar.
4. Hang the **Second-Tier Ring Power Bar(s)** from three evenly spaced points per Power Bar. If the Power Feed is above a Second-Tier Ring Power Bar, use a Power Feed Hanger to connect the Ring Power Bar to the Power Feed as shown on page 29. If the Second-Tier Ring Power Bar is suspended from another Ring Power Bar, connect the two Power Bars using one **Double Rod Rotational Power Bar Hanger** as shown on page 35. The remaining suspension points can either be to the ceiling using a Ceiling Hanger or to a higher tier Power Bar using a **Single Rod Rotational Power Bar Hanger**, depending on your configuration.
3-Bar Configuration Only: If arranging the Ring Power Bars in a 3-tier configuration, repeat Step 4 for the **Third-Tier Ring Power Bar**.
5. Connect the **Luminaire Hangers** to the Ring Power Bars as shown on pages 36-43.
6. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
7. Restore power to the outlet box.

Note

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

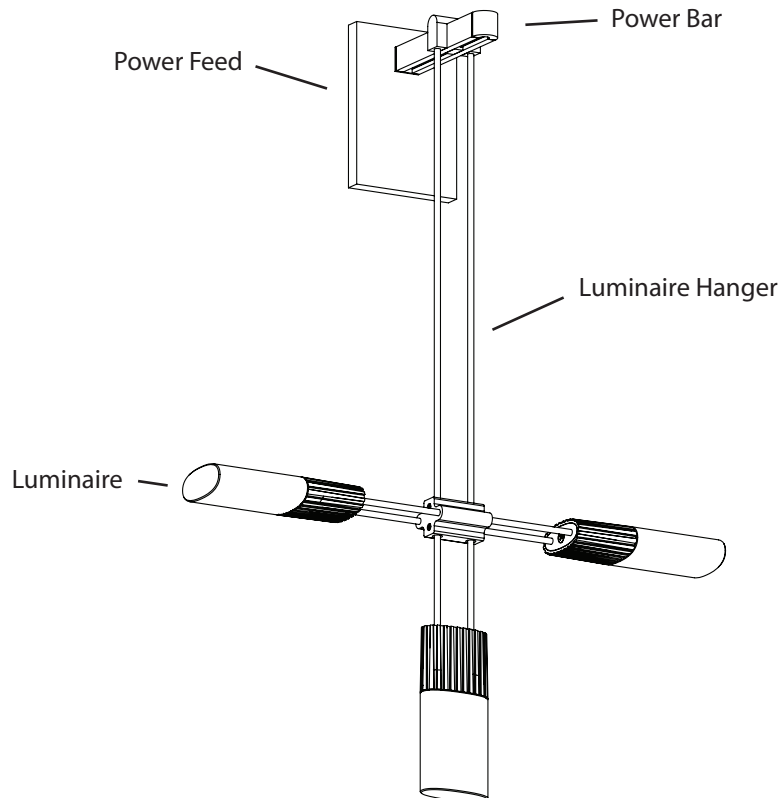
Suspenders® - Mini Single Sconce Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 branch circuit conductor.
2. Assemble the **Power Feed** as shown on page 25.
3. Connect the **Luminaire** to the **Luminaire Hanger** as shown on pages 36-43.
4. Connect the Luminaire Hanger the **Power Bar** as shown on pages 36-43.
5. Restore power to the branch circuit conductor.

Note

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

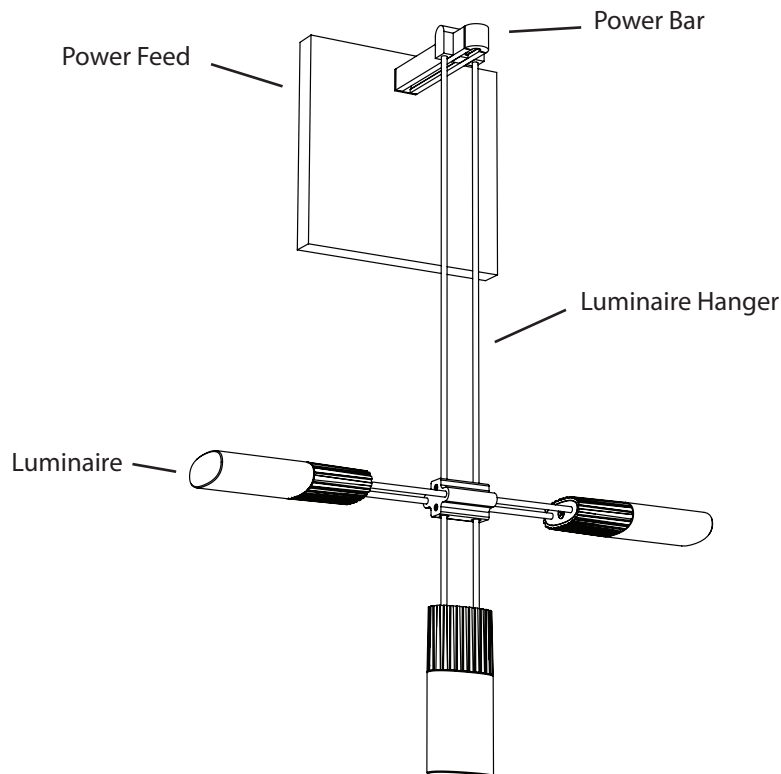
Suspenders® - Standard Single Sconce Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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 26.
3. Connect the **Luminaire** to the **Luminaire Hanger** as shown on pages 36-43.
4. Connect the Luminaire Hanger the **Power Bar** as shown on pages 36-43.
5. Restore power to the outlet box.

Note

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

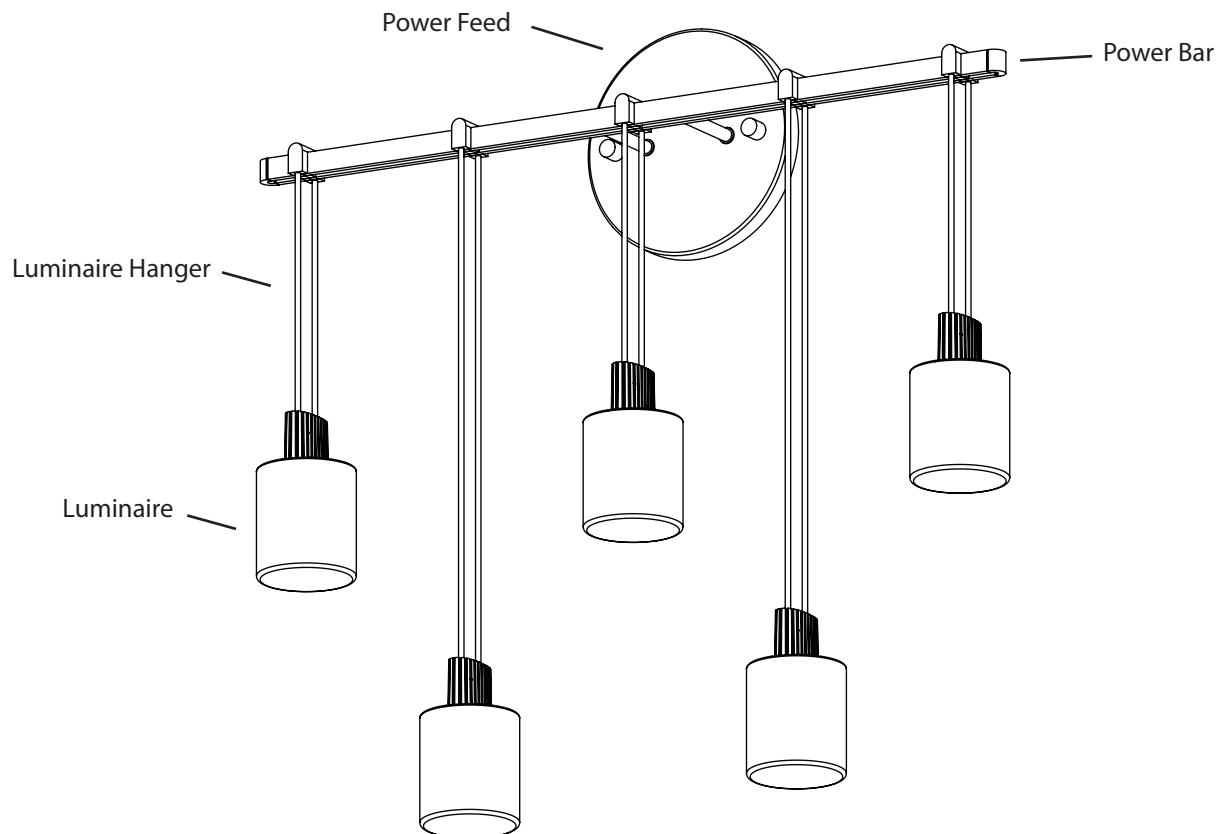
Suspenders® - Bar Sconce Configuration

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

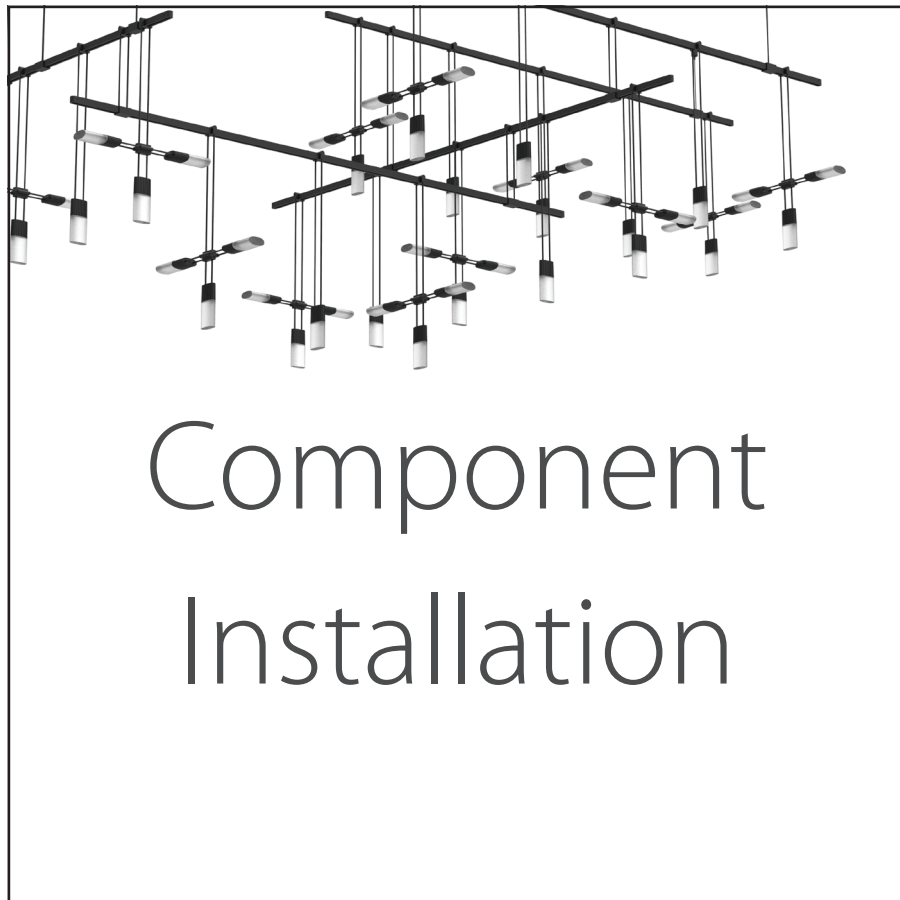
- Always disconnect the power before installing or replacing bulbs and before cleaning or other maintenance.
- Consult a qualified, licensed electrician to ensure correct branch circuit conductor.
Consulter un électricien qualifié pour vous assurer que les conducteurs de la dérivation sont adéquats.



1. Shut off power to the outlet box.
2. Assemble the **Power Feed** as shown on page 27.
3. Connect the **Luminaire Hangers** the **Power Bar** as shown on pages 36-43.
4. Connect the **Luminaires** to the Luminaire Hangers as shown on pages 36-43.
5. Restore power to the outlet box.

Note

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



Component Installation

Linear, Tri-Bar, and Ring Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Important

- Always disconnect the power before installing or replacing bulbs 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.*

Deep Power Feed Installation (Fig. 1):

1. Shut off power to the **outlet box**.
2. Attach the **crossbar** to the outlet box using the two (2) long **screws**.
3. 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 outlet box wire (green or uncoated) to the crossbar using the green screw.
 - d. Connect one of the black **Power Feed** wires to one of the transformer output wires. Connect the other black Power Feed wire to the second transformer output wire.
 - e. Carefully place connections in outlet box.
4. **For 150W and 300W Transformers:** Attach the Transformer to the Power Feed using the two (2) **small screws**.
For 60W and 75W Transformers: Place the Transformer inside the Power Feed.
5. Install the Power Feed to the crossbar by passing the **threaded nipple** through the hole in the Power Feed and securing with the **finial**.

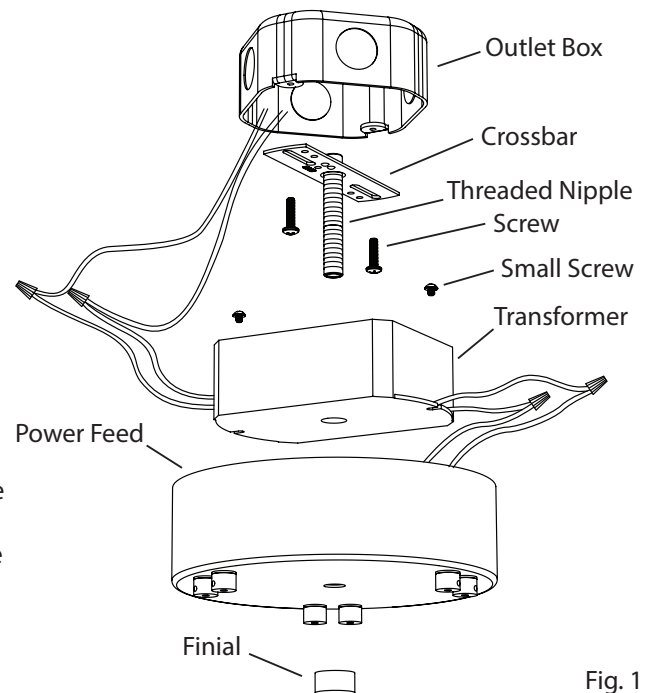


Fig. 1

Shallow Power Feed Installation (Fig. 2):

1. Shut off power to the **outlet box**.
2. **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%.
3. 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 outlet box wire (green or uncoated) to the crossbar using the green screw.
 - d. Connect one of the black **Power Feed** wires to one of the Transformer output wires. Connect the other black Power Feed wire to the second Transformer output wire.
 - e. Carefully place connections and Transformer (if applicable) in outlet box.
4. Attach the **crossbar** to the outlet box using the two (2) long **screws**.
5. Install the Power Feed to the crossbar by passing the **threaded nipple** through the hole in the Power Feed and securing with the **finial**.

Applies to Components:	
1XA01DB05K/S	1XA02DB05K/S
1XA01SG05K/S	1XA03SG05K/S

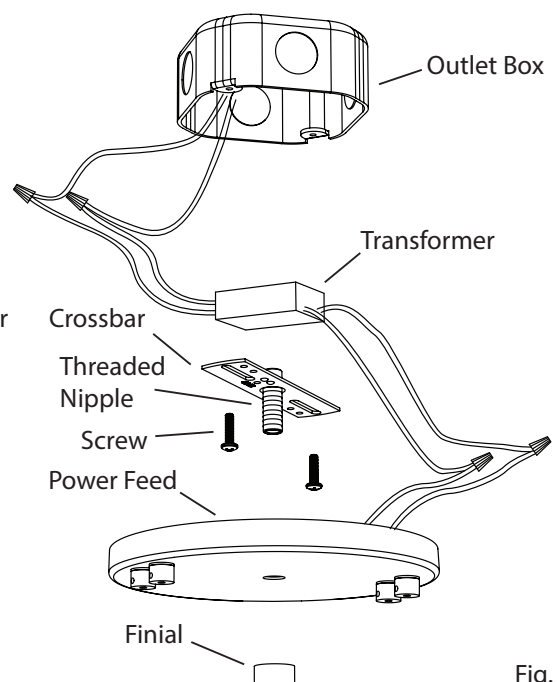


Fig. 2

Note

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

Linear, Tri-Bar, and Ring Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XA07DB05K/S

Important

- Always disconnect the power before installing or replacing bulbs 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.

Shallow Single Double Power Feed Installation (Fig. 1):

1. Shut off power to the **outlet box**.
2. **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%.
3. 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 outlet box wire (green or uncoated) to the mounting plate using the green screw.
 - d. Connect one of the black **Power Feed** wires to one of the transformer output wires. Connect the other black Power Feed wire to the second transformer output wire.
 - e. Carefully place connections in outlet box.
4. Attach the **mounting plate** to the outlet box using the two (2) **screws**.
5. Attach Power Feed to mounting plate. Secure using **set screws** and included **Allen key**.
6. To adjust orientation of bushings:
 Loosen set screws using included Allen key and rotate Power Feed to the desired position.

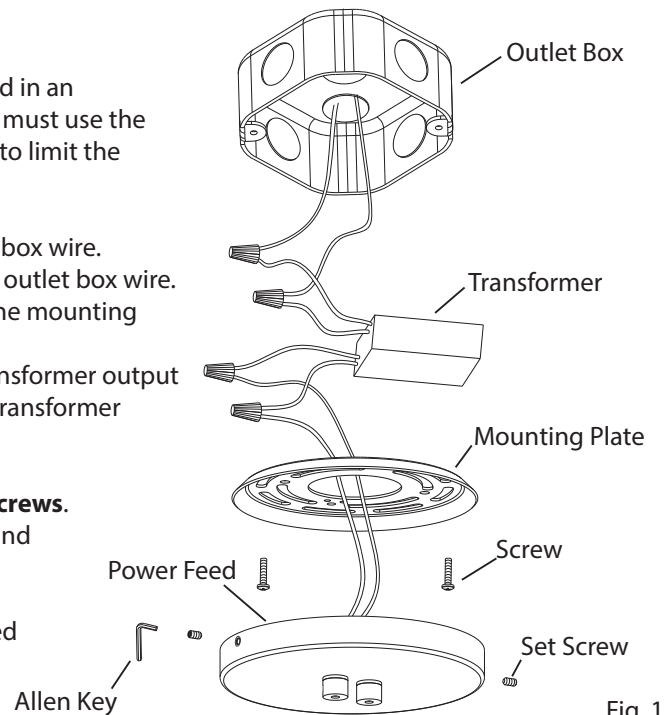


Fig. 1

Note

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

Tandem Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XA04DB20K/S

Important

- Always disconnect the power before installing or replacing bulbs 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.*

Deep Power Feed Installation (Fig. 1):

1. Shut off power to the **outlet box**.
2. Attach the **mounting plate** to the outlet box using the two (2) **long Phillips screws**.
3. 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 outlet box wire (green or uncoated) to the mounting plate using the green screw.
 - d. Connect one of the black **Power Feed** wires to one of the Transformer output wires. Connect the other black Power Feed wire to the second Transformer output wire.
 - e. Carefully place connections in outlet box.
4. **For 150W and 300W Transformers:** Attach the Transformer to the Power Feed using the two (2) small **pan head screws**.
For 60W and 75W Transformers: Place the Transformer inside the Power Feed.
5. Install the Power Feed to the mounting plate using the four (4) **counter-sunk Phillips screws**.

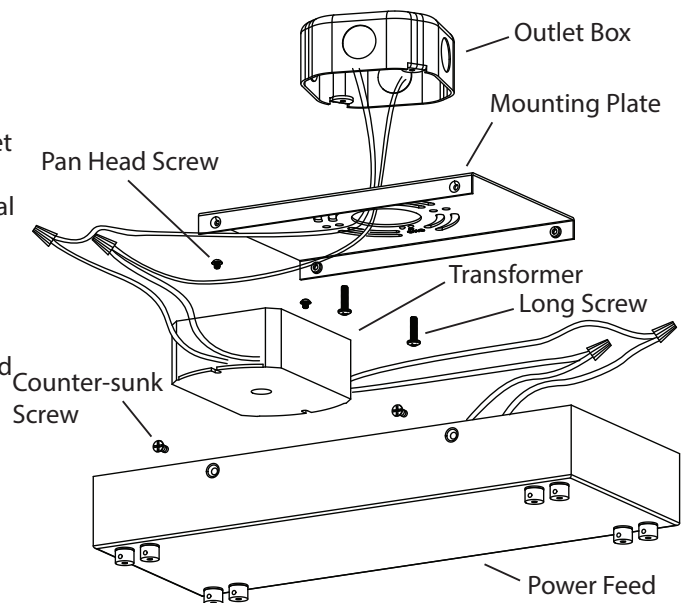


Fig. 1

Shallow Power Feed Installation (Fig. 2):

1. Shut off power to the **outlet box**.
2. **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%.
3. 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 outlet box wire (green or uncoated) to the **mounting plate** using the green screw.
 - d. Connect one of the black **Power Feed** wires to one of the Transformer output wires. Connect the other black Power Feed wire to the second Transformer output wire.
 - e. Carefully place connections and Transformer (if applicable) in outlet box.
4. Attach the mounting plate to the outlet box using the two (2) **long Phillips screws**.
5. Install the Power Feed to the mounting plate using the four (4) **counter-sunk Phillips screws**.

Applies to Component:
1XA04DB05K/S

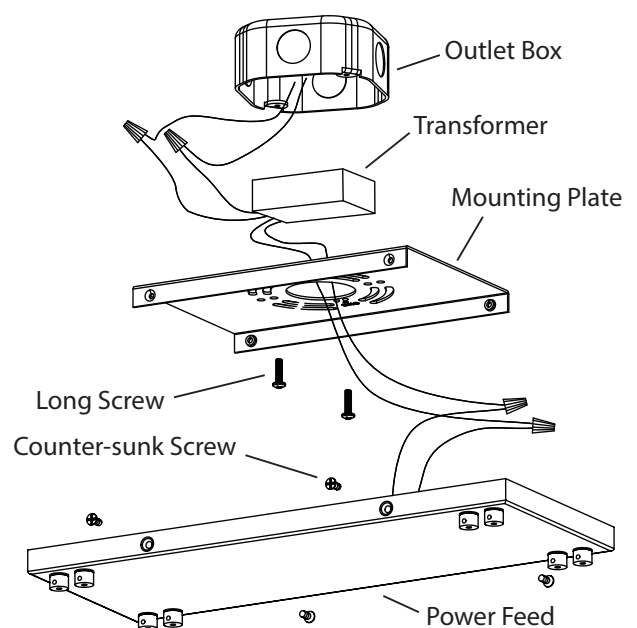


Fig. 2

Note

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

Minibox Ceiling Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XA06DB02K/S

Important

- Always disconnect the power before installing or replacing bulbs 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.*

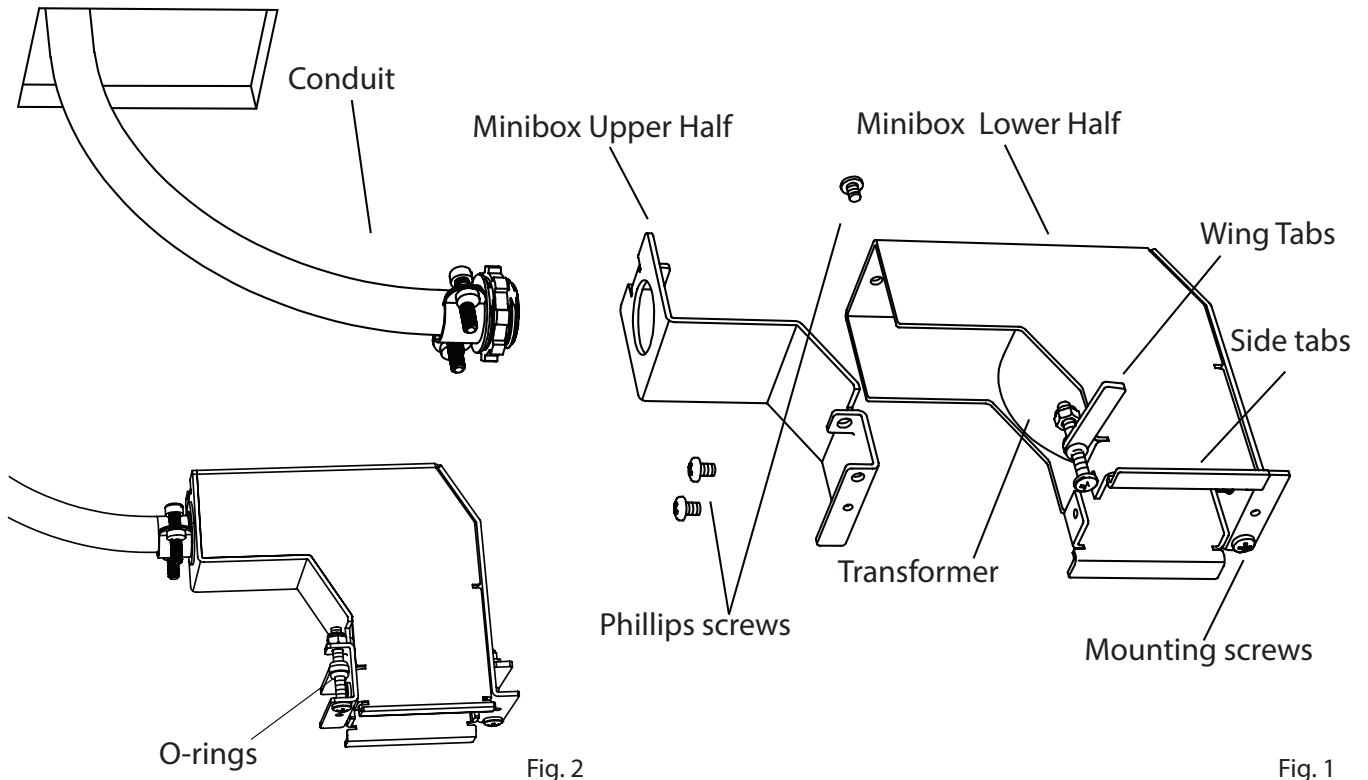


Fig. 2

Fig. 1

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 unboxed 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)

(continued on next page)

Minibox Ceiling Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XA06DB02K/S

Important

- Always disconnect the power before installing or replacing bulbs 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.*

12. 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)
13. 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)
14. Make appropriate electrical connections using wire nuts: Connect one of the black Power Feed wires to one of the transformer output wires. Connect the other black Power Feed wire to the second transformer output wire. Carefully place connections in the Minibox. (Fig. 5)
15. Attach **mounting bracket** to Minibox with two mounting screws. (Fig. 5)
16. Attach **Power Feed** to mounting bracket. Secure using **set screw** and included **Allen key**. (Fig. 6)

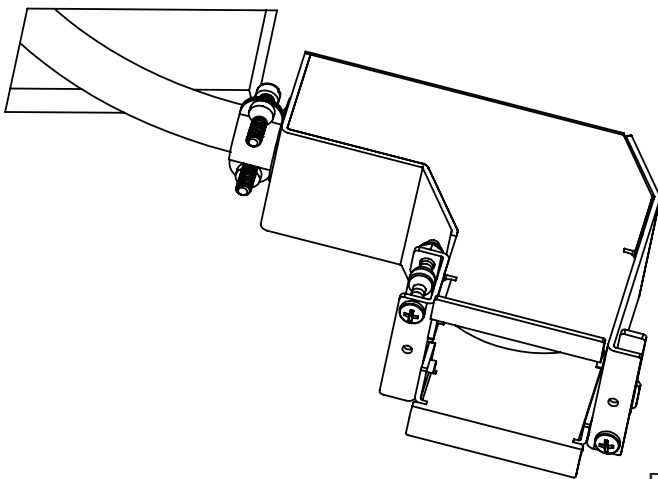


Fig. 3

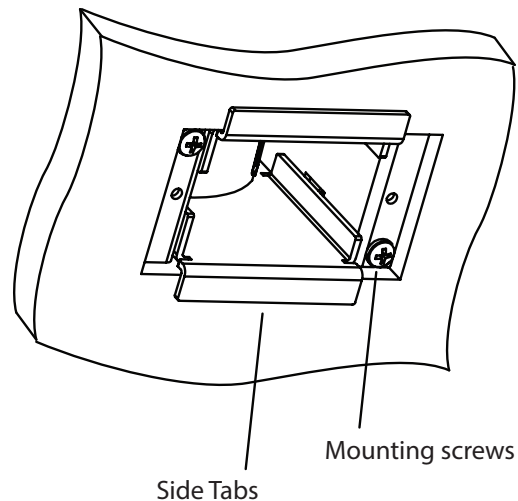


Fig. 4

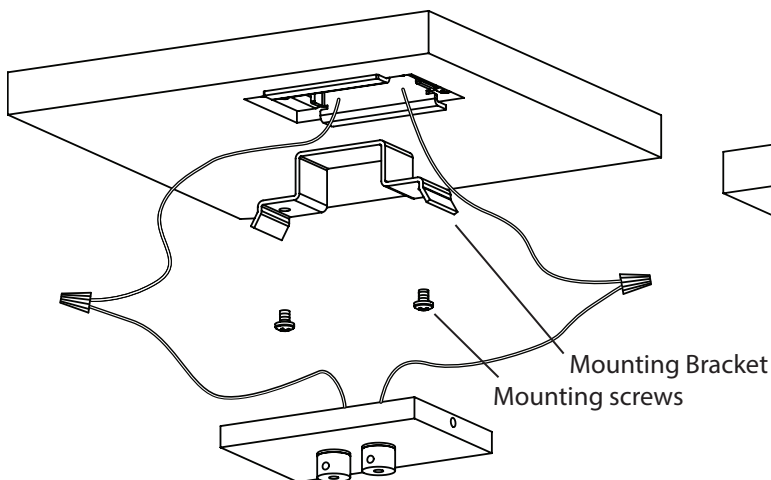


Fig. 5

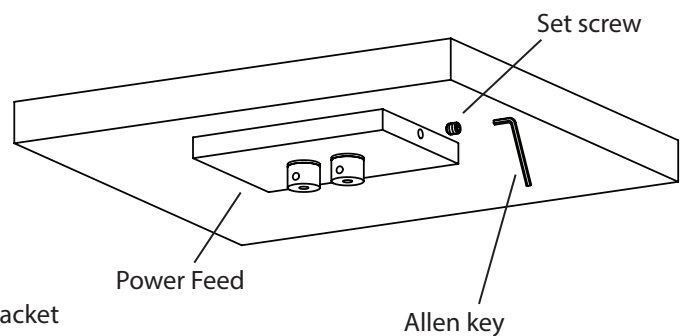


Fig. 6

Note

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

Minibox Wall Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XA05SG03K/S

Important

- **Always disconnect the power before installing or replacing bulbs 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 unboxed 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 dry-wall opening. (Fig. 2)
12. Slide **O-rings** along mounting screws so that they are flush against the wing tabs. (Fig. 2)

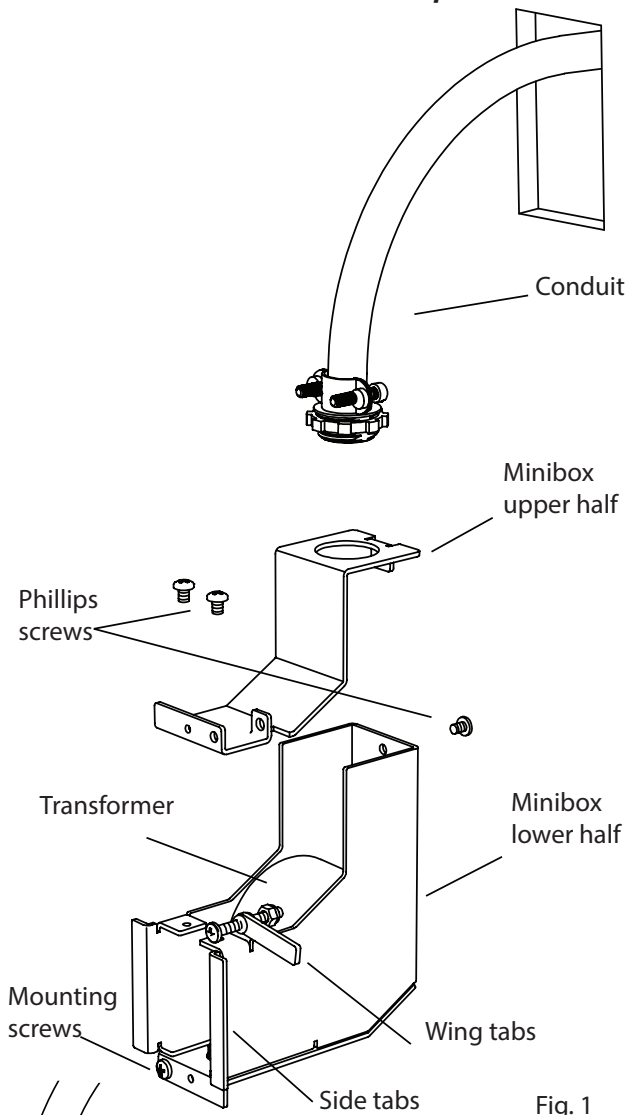


Fig. 1

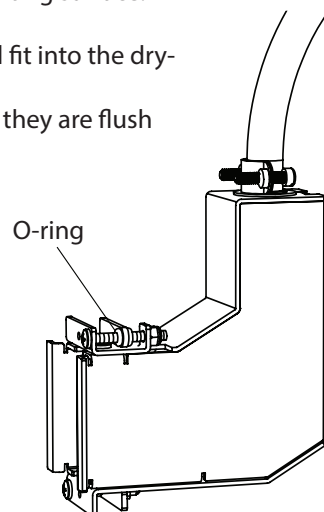


Fig. 2

(continued on next page)

Minibox Wall Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XA05SG03K/S

Important

- Always disconnect the power before installing or replacing bulbs 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.

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 black Power Feed wires to one of the Transformer output wires. Connect the other black Power Feed wire to the second Transformer output wire. Carefully place connections in the Minibox. (Fig. 5)

NOTE: This Power Feed has been rated for a max 75W Transformer.

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)

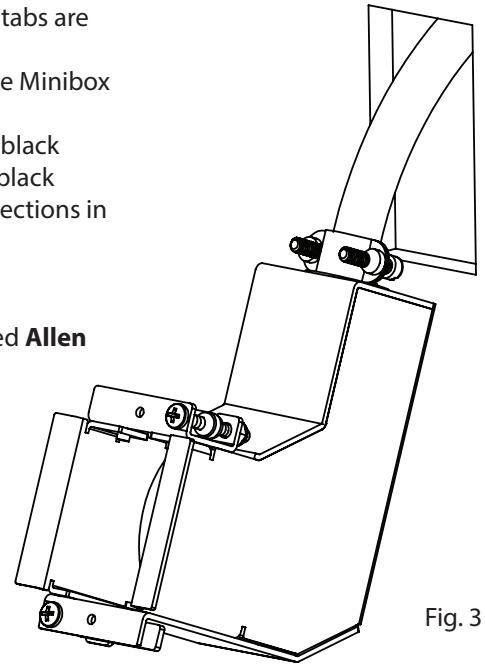


Fig. 3

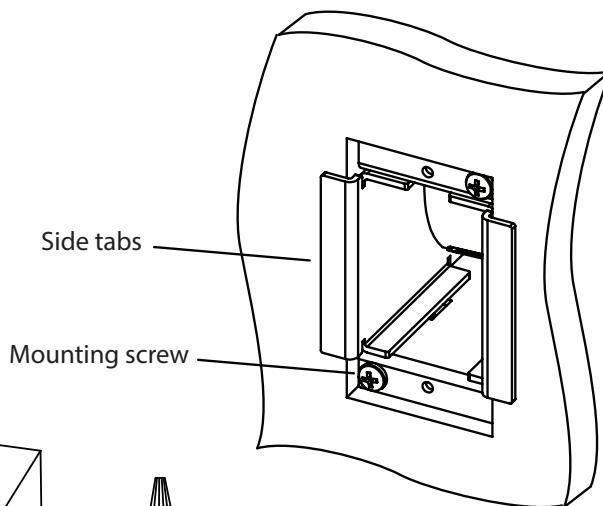


Fig. 4

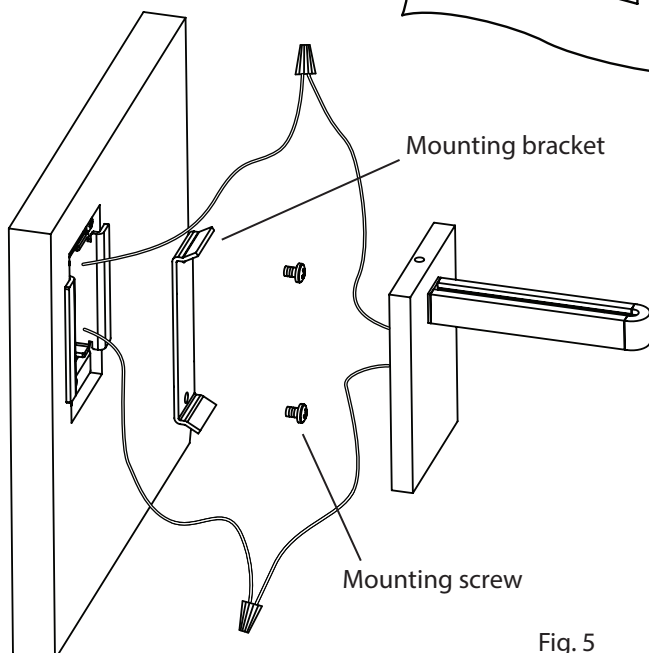


Fig. 5

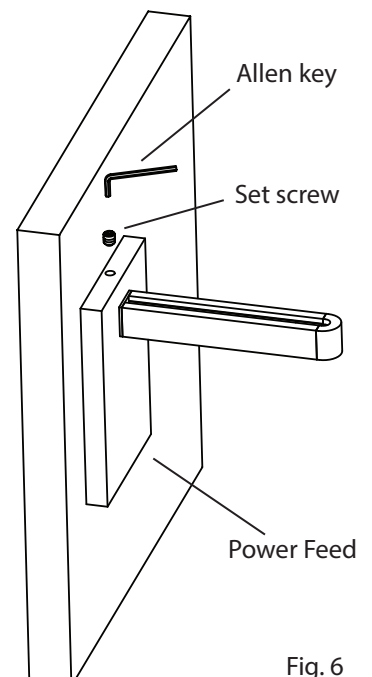


Fig. 6

Note

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

Standard Wall Power Feed Installation

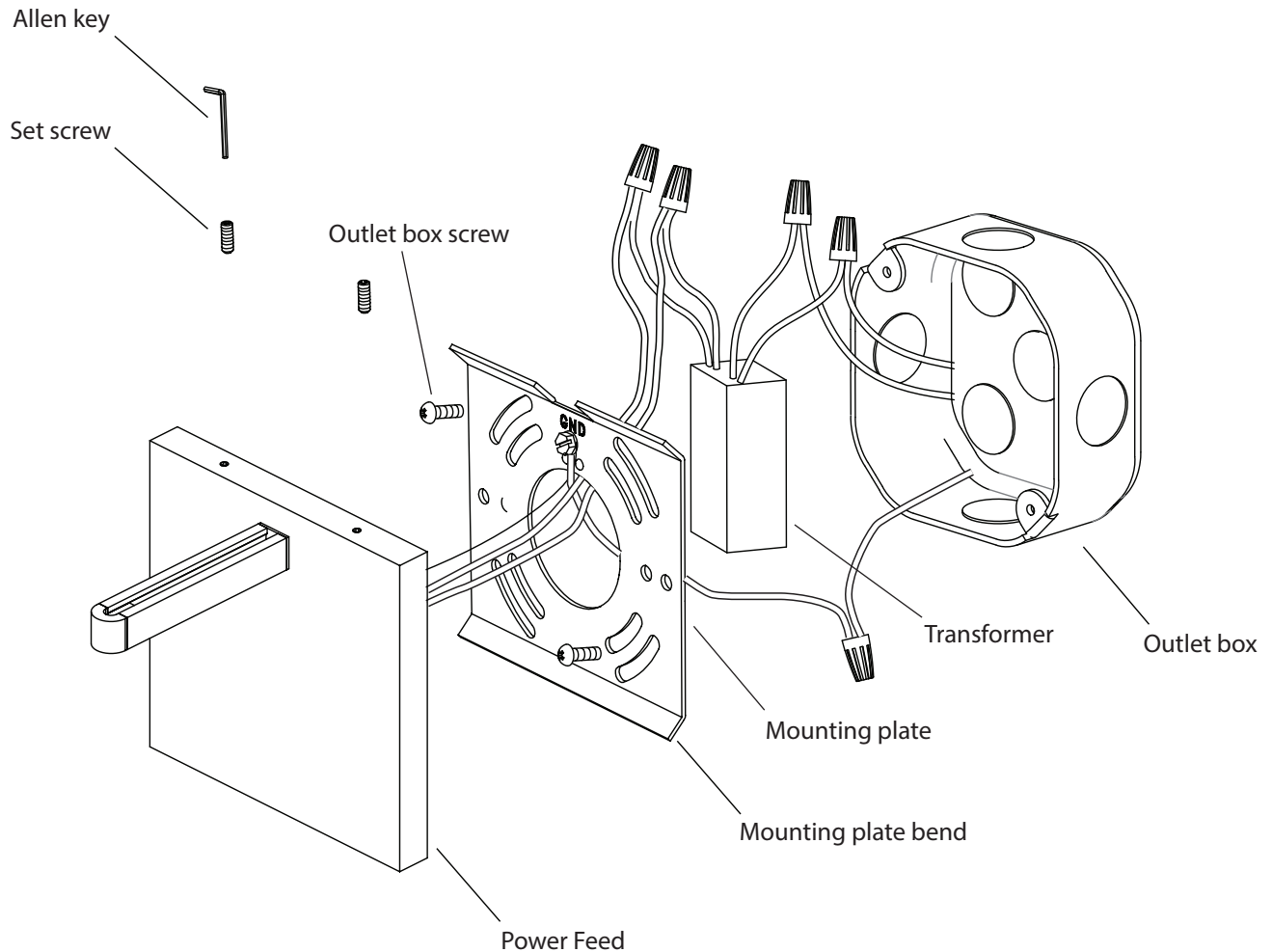
Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XA05SG02K/S

Important

- Always disconnect the power before installing or replacing bulbs 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. 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 or uncoated) to the ground outlet box wire.
 - d. Carefully place connections and Transformer in outlet box.

NOTE: This Power Feed has been rated for a max 75W Transformer.
3. Attach the **mounting plate** to the outlet box, secure with **outlet box screws**.
4. Install the **Power Feed** to the mounting plate by hooking the **bend** onto the bracket in the Power Feed. Secure with **set screws** using included **Allen key**.

Note

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

Bar Sconce Power Feed Installation

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:

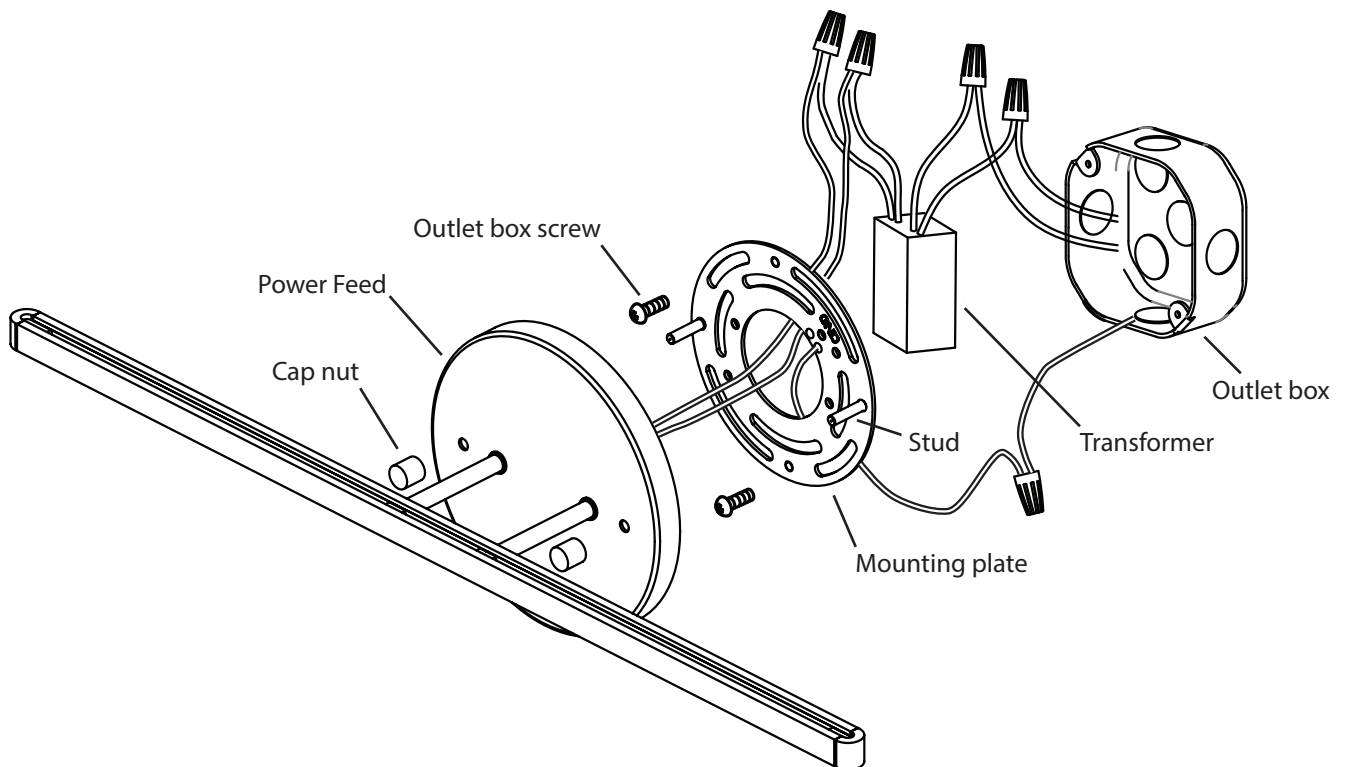
1XA05LI06K/S

1XA05LI24K/S

1XA05LI18K/S

Important

- Always disconnect the power before installing or replacing bulbs 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. 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 or uncoated) to the ground outlet box wire.
 - d. Carefully place connections and Transformer in outlet box.
3. Attach the **mounting plate** to the outlet box, secure with **outlet box screws** so that the **studs** are horizontal.
4. Install the **Power Feed** to the **mounting plate** by passing the studs through the holes on the Power Feed, secure with the **cap nuts**.

Note

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

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 short-circuiting the system, the spring contacts must point in different directions.

1. Install the Single Cord Power Feed Hanger onto the Power Bar the same way as the Perpendicular Power Bar Hanger (page 34): 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.

Applies to Components:

1XB01SC06K/S	1XB01RB06K/S
1XB01SC20K/S	1XB01RB20K/S

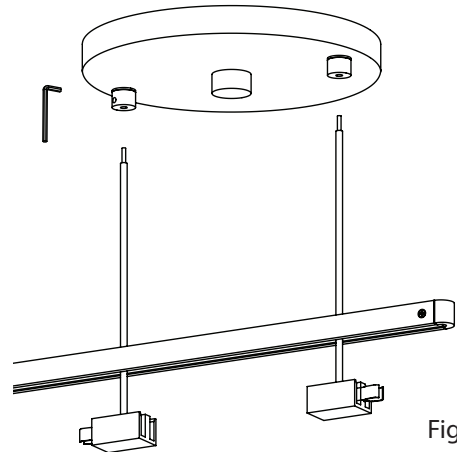


Fig. 1

Double Cord Power Feed Hanger:

1. Install the Double Cord Power Feed Hanger onto the Power Bar the same way as the Parallel Power Bar Hanger (page 34): 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. Cut the cords 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.

Applies to Components:

1XB01DC06K/S	1XB01DC20K/S
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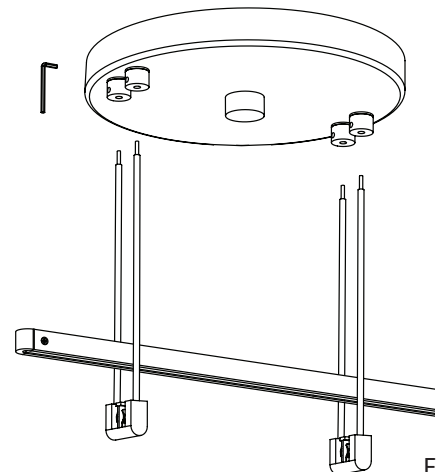


Fig. 2

Double Rod Power Feed Hanger:

1. Install the Double Rod Power Feed Hanger onto the Power Bar the same way as the Parallel Power Bar Hanger (page 34): 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)
2. Cut the rods to the desired length, and use the included sandpaper tool to remove 10mm (3/8") of the paint from the end of each rod.
3. Insert the rods into the Power Feed bushings. Secure by tightening the set screws with the included Allen key.

Applies to Components:

1XB01DR06K/S	1XB01DR18K/S
1XB01DR12K/S	

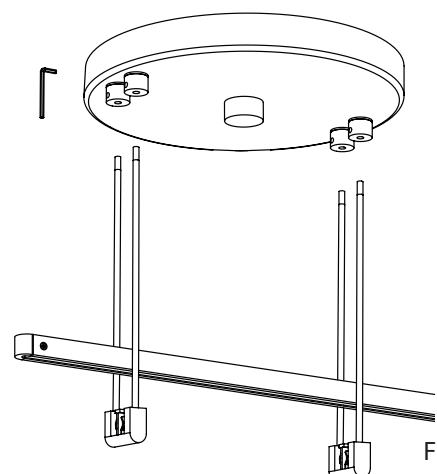


Fig. 3

Power Feed Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:

1XB011C06K/S

1XB011C20K/S

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. 1). Repeat for the second Power Bar.

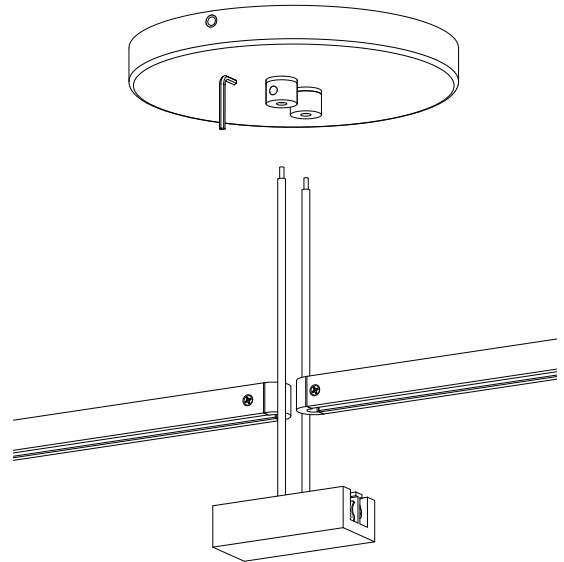


Fig. 1

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.

Ceiling Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XB02SR18K/S

Rod Ceiling Hanger Assembly:

1. Install the mounting bracket to the ceiling with anchor and screw, then screw the post onto the mounting bracket. (Fig. 1)
2. Pass the Ceiling Hanger rod through the Power Bar, then through the center hole of the cover, making sure the counter-sunk holes on the cover are facing up. Attach the cover to the Ceiling Hanger using the two small Phillips screws. (Fig. 2)
3. 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)



Fig. 1

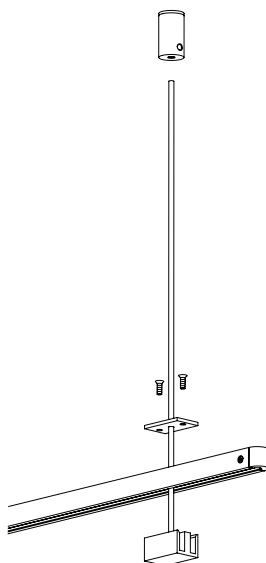


Fig. 2

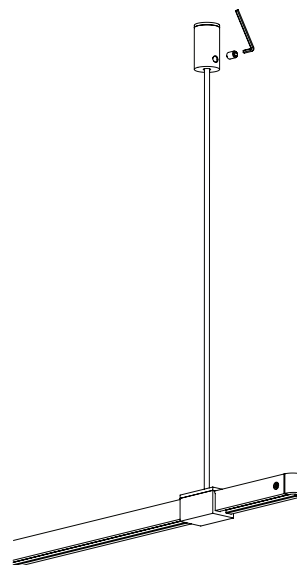


Fig. 3

Applies to Components:
1XB02SB06K/S 1XB02SB20K/S

Cable Ceiling Hanger Assembly:

1. Install the mounting bracket to the ceiling with anchor and screw, then screw the post onto the mounting bracket. (Fig. 4)
2. Pass the Ceiling Hanger cable through the Power Bar, then through the center hole of the cover, making sure the counter-sunk holes on the cover are facing up. Attach the cover to the Ceiling Hanger using the two small Phillips screws. (Fig. 5)
3. 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. 6)

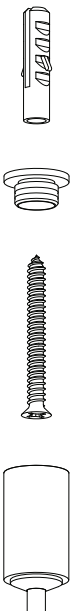


Fig. 4

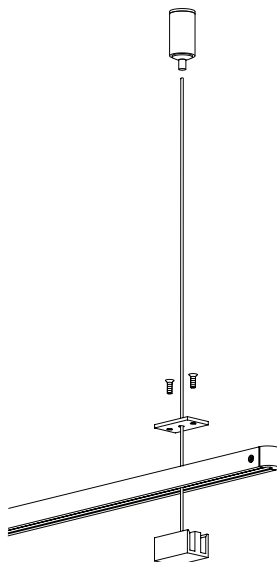


Fig. 5

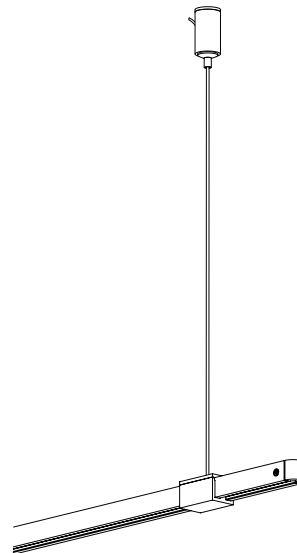


Fig. 6

Ceiling Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:
1XB02RB06K/S 1XB02RB20K/S

Ring Cable Ceiling Hanger Assembly:

1. Install the mounting bracket to the ceiling with anchor and screw, then screw the post onto the mounting bracket. (Fig. 1)
2. Pass the Ceiling Hanger cable through the Power Bar, then through the center hole of the cover, making sure the counter-sunk holes on the cover are facing up. Attach the cover to the Ceiling Hanger using the two small Phillips screws. (Fig. 2)
3. 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. 3)



Fig. 1

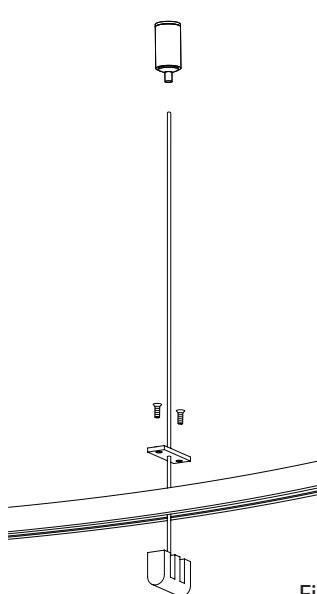


Fig. 2

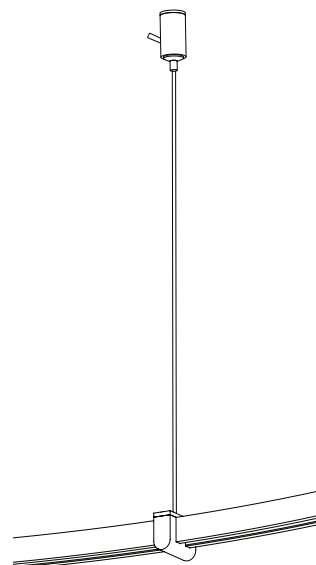


Fig. 3

Ceiling Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component: 1XB02IR18K/S

In-Line Rod Ceiling Hanger Assembly:

1. Install the mounting bracket to the ceiling with anchor and screw, then screw the post onto the mounting bracket. (Fig. 1)
2. Cut the rod to the desired length, then insert the rod into the post and tighten the set screw with the Allen key. (Fig. 2)
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 Rod Ceiling Hanger makes an electrical connection between the two Power Bars and cannot be used to isolate separate circuits.



Fig. 1

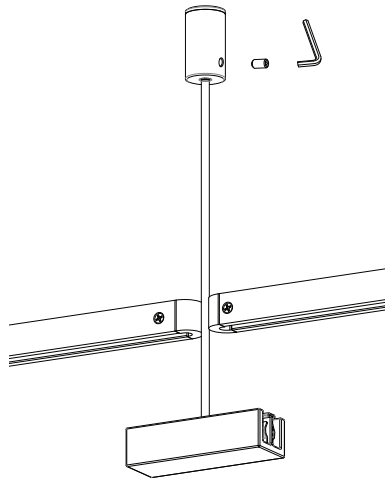


Fig. 2

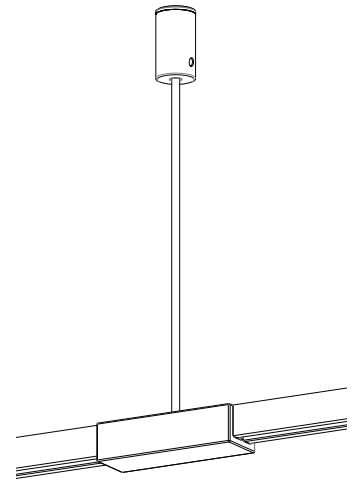


Fig. 3

Applies to Components: 1XB02IB06K/S 1XB02IB20K/S
--

In-Line Cable Ceiling Hanger Assembly:

1. Install the mounting bracket to the ceiling with anchor and screw, then screw the post onto the mounting bracket. (Fig. 4)
2. 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. 5)
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. 6). Repeat for the second Power Bar.

Note

- The In-Line Cable Ceiling Hanger makes an electrical connection between the two Power Bars and cannot be used to isolate separate circuits.



Fig. 4

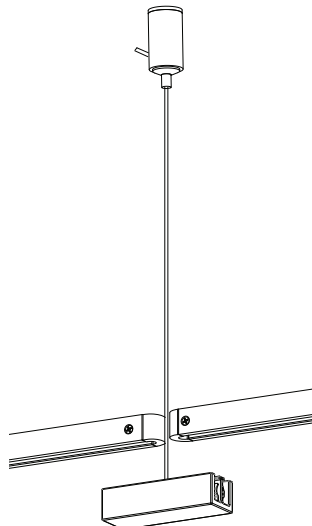


Fig. 5

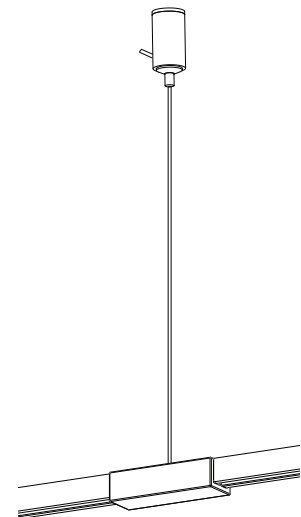


Fig. 6

Power Bars

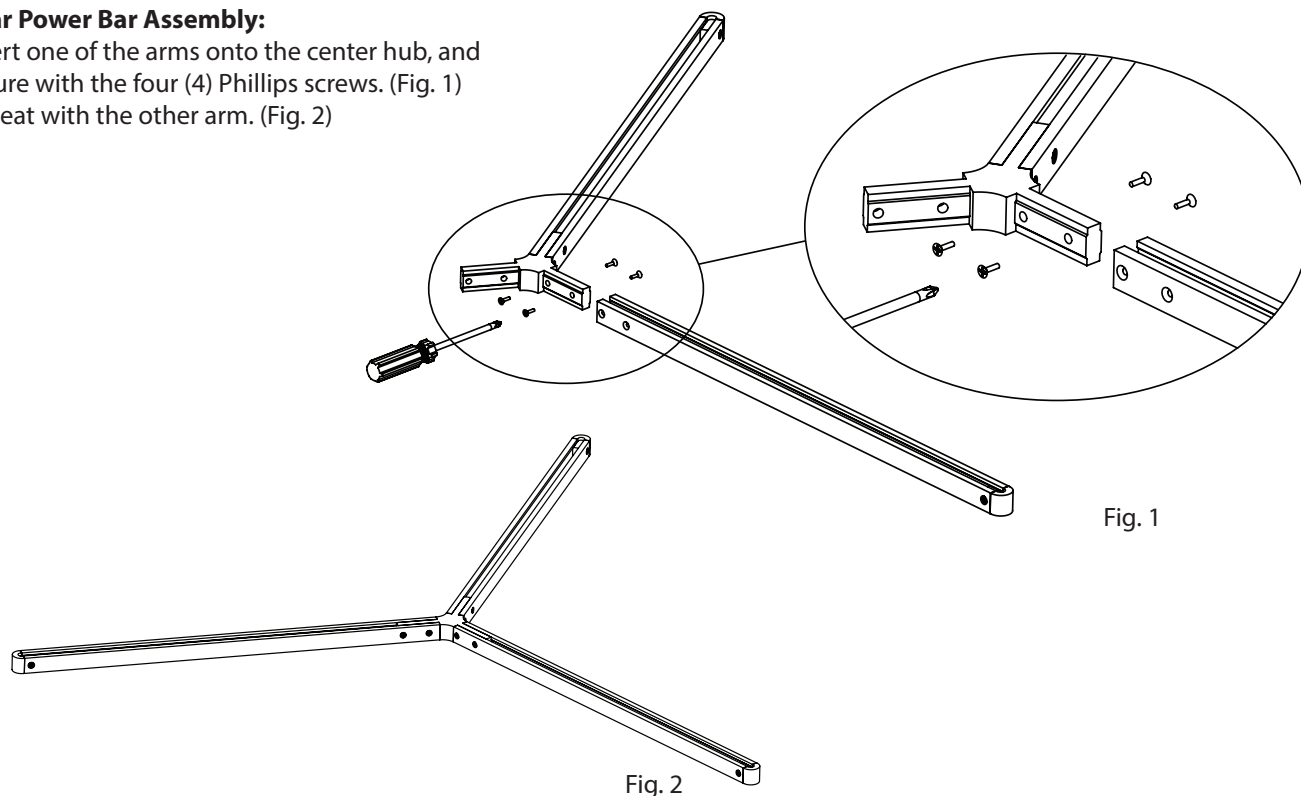
Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:
1XC02XX12K/S 1XC02XX24K/S

Tri-Bar Power Bar Assembly:

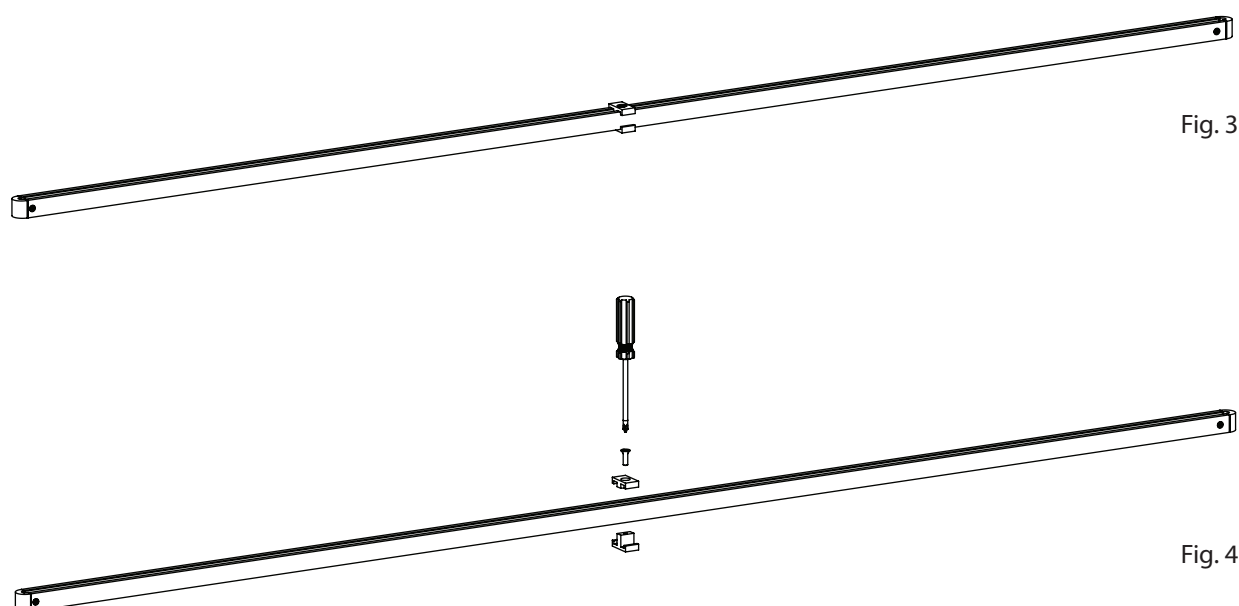
1. Insert one of the arms onto the center hub, and secure with the four (4) Phillips screws. (Fig. 1)
2. Repeat with the other arm. (Fig. 2)



Applies to Components:
1XC01XX12K/S 1XC01XX36K/S
1XC01XX24K/S 1XC01XX48K/S

Linear Power Bar Assembly:

1. The Linear Power Bar comes with a spacer clip pre-installed at the center of the Power Bar. (Fig. 2)
2. If desired, the spacer clip can be removed using a Phillips screwdriver. (Fig. 4)



Power Bar Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:
1XB03AR06K/S 1XB03AR18K/S
1XB03AR12K/S
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. 1)
3. Pass a second Power Bar between the rods of the Power Bar Hanger. (Fig. 2)
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. 2)

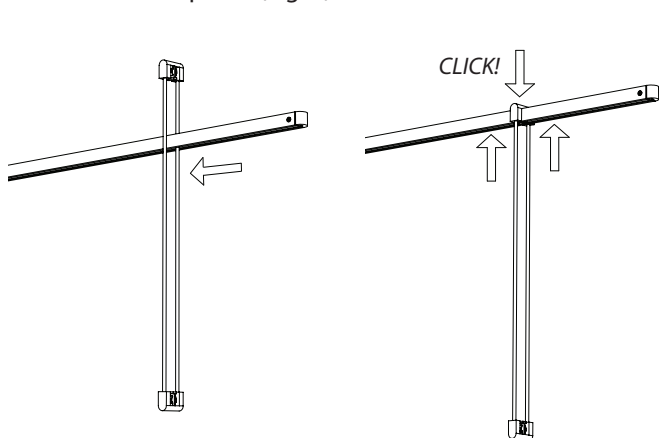


Fig. 1

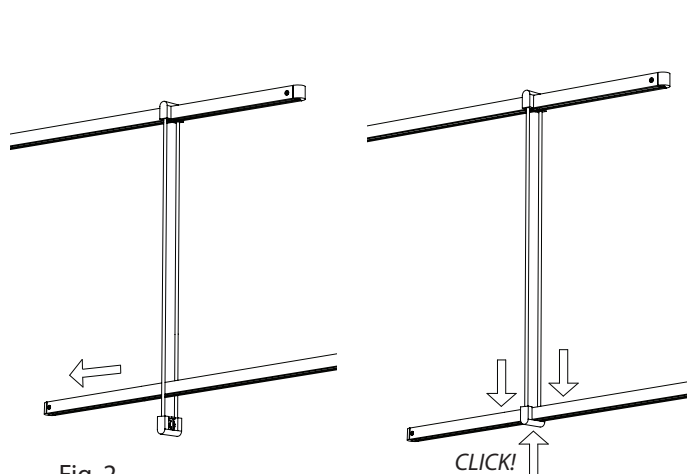


Fig. 2

Applies to Components:
1XB03ER06K/S 1XB03ER18K/S
1XB03ER12K/S
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. 3)
2. Tip the Perpendicular Power Bar Hanger 45 degrees and insert the copper springs into the center of the Power Bar. (Fig. 4)
3. Push the Perpendicular Power Bar Hanger up while tipping it back up 45 degrees. (Fig. 4)
4. Attach the second Power Bar the same way as for the Parallel Power Bar Hanger. (Fig. 5)

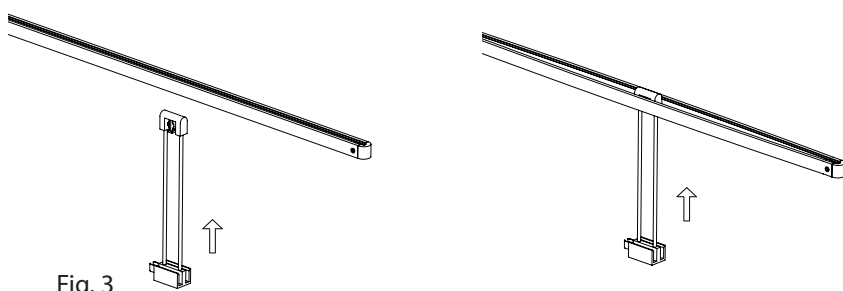


Fig. 3

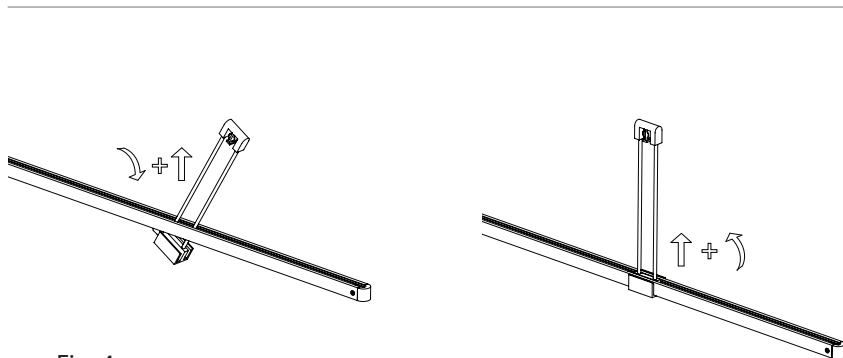


Fig. 4

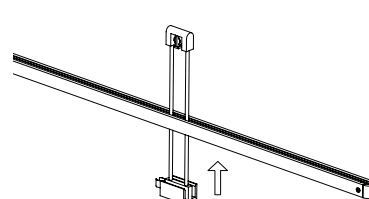


Fig. 5

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. Attach the second Power Bar the same way as for the Parallel Power Bar Hanger.
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. Remove Power Bar Hanger the same way as for the Parallel Luminaire Hanger on page 37.

Applies to Components:

1XB03PR06K/S 1XB03PR18K/S
1XB03PR12K/S

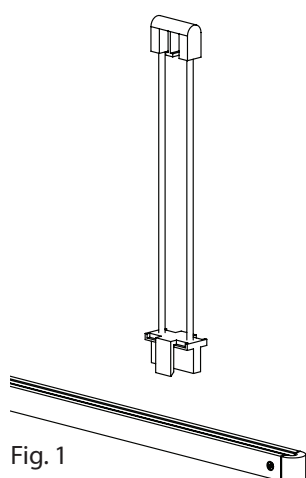


Fig. 1

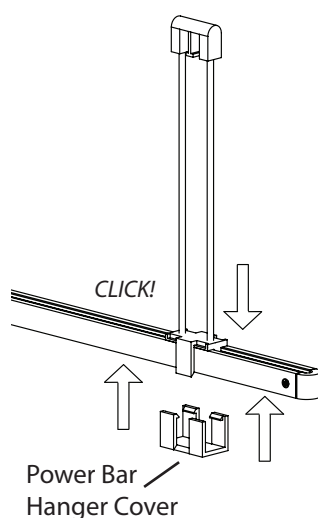


Fig. 2

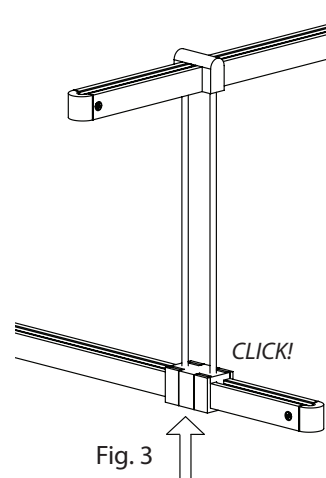


Fig. 3

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. 4)
2. Insert the **Hanger Clip** through the Hanger Hub and press up on the Hanger clip until Hanger Clip clicks into place. (Fig.5)
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. 6). NOTE: Do not fully tighten.
4. Rotate Power Bar to the desired position and secure by fully tightening the Hanger sleeve. (Fig. 7)
5. Repeat steps 1-4 for the second Power Bar.

Applies to Components:

1XB03RD06K/S 1XB03RD18K/S 1XB03RS12K/S
1XB03RD12K/S 1XB03RS06K/S 1XB03RS18K/S

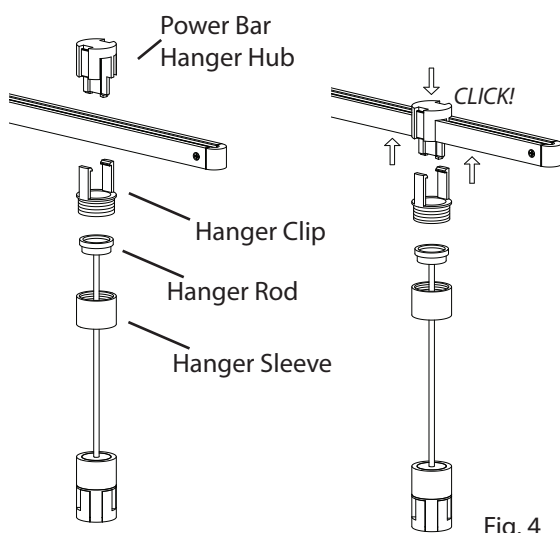


Fig. 4

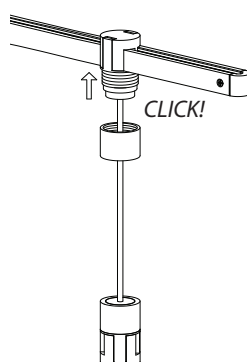


Fig. 5

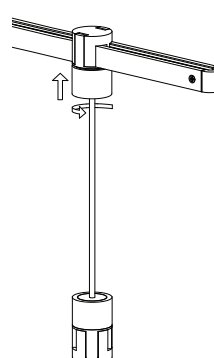


Fig. 6

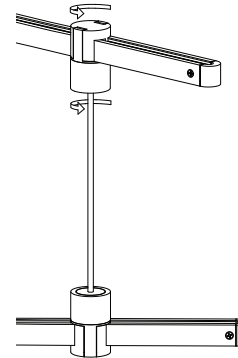


Fig. 7

Luminaires and Luminaire Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:

1XB04ARxxK/S	1XB04HRxxK/S	1XDXXRPxxK/S
1XB04DRxxK/S	1XB04RDxxK/S	1XDXXHCxxK/S

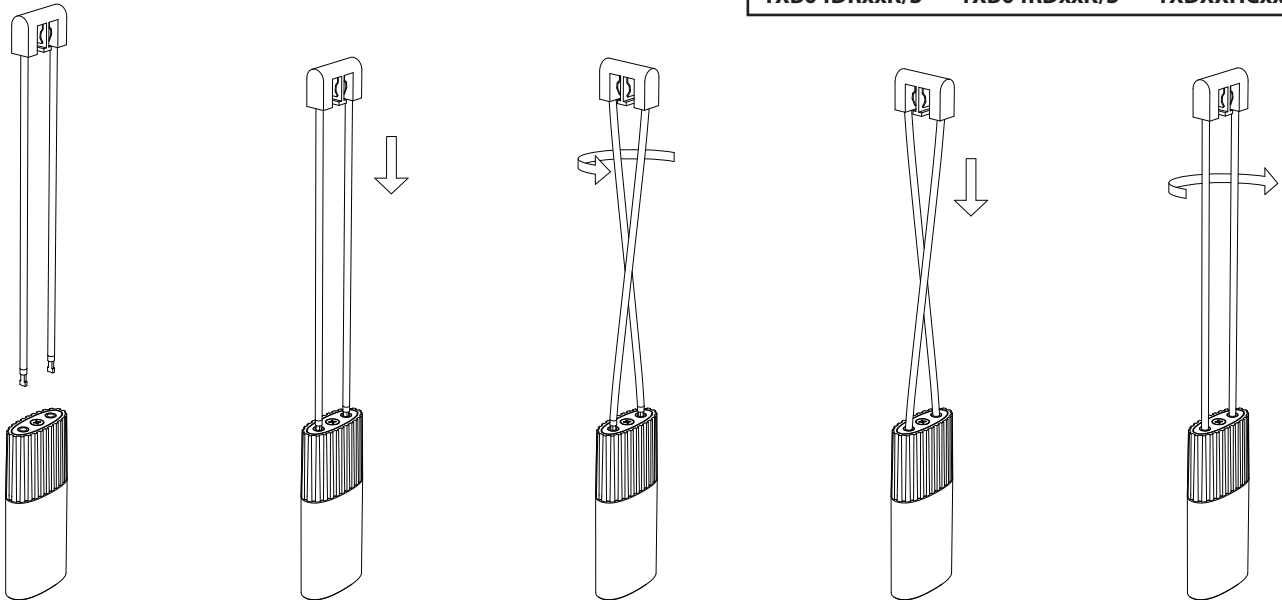


Fig. 1

Connecting an RPxx Luminaire to a 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 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 wrench to tighten the four set screws.

Connecting a Luminaire Hanger to a Power Bar (Fig. 3):

1. Place the Luminaire Hanger over the Power Bar.
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.
3. To remove, tip the Luminaire Hanger in the direction of the Power Bar, then lift the Luminaire Hanger off the Power Bar.

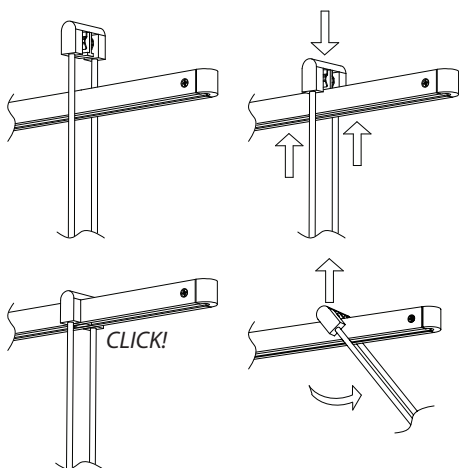


Fig. 3

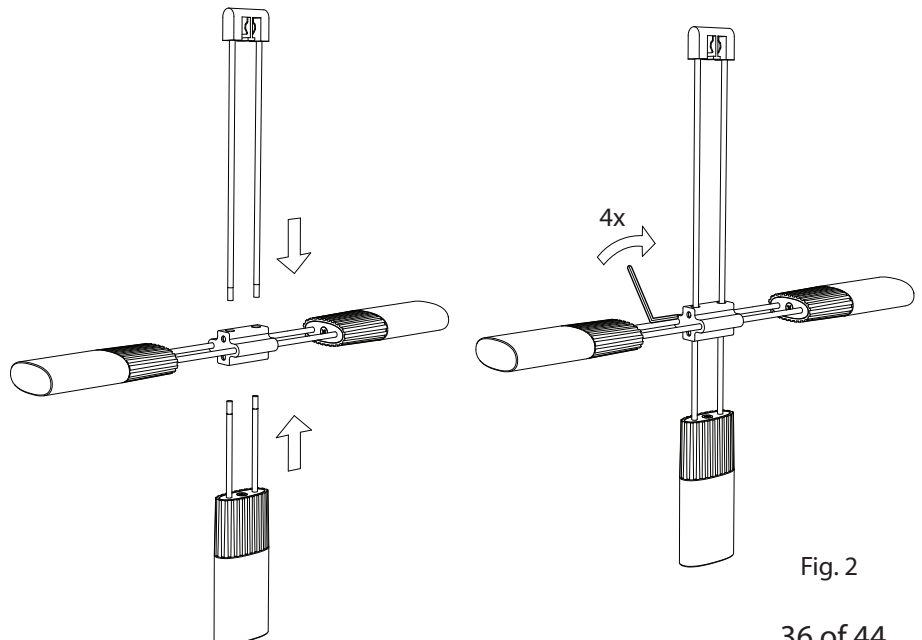


Fig. 2

Luminaires and Luminaire Hangers

Assembly Instructions

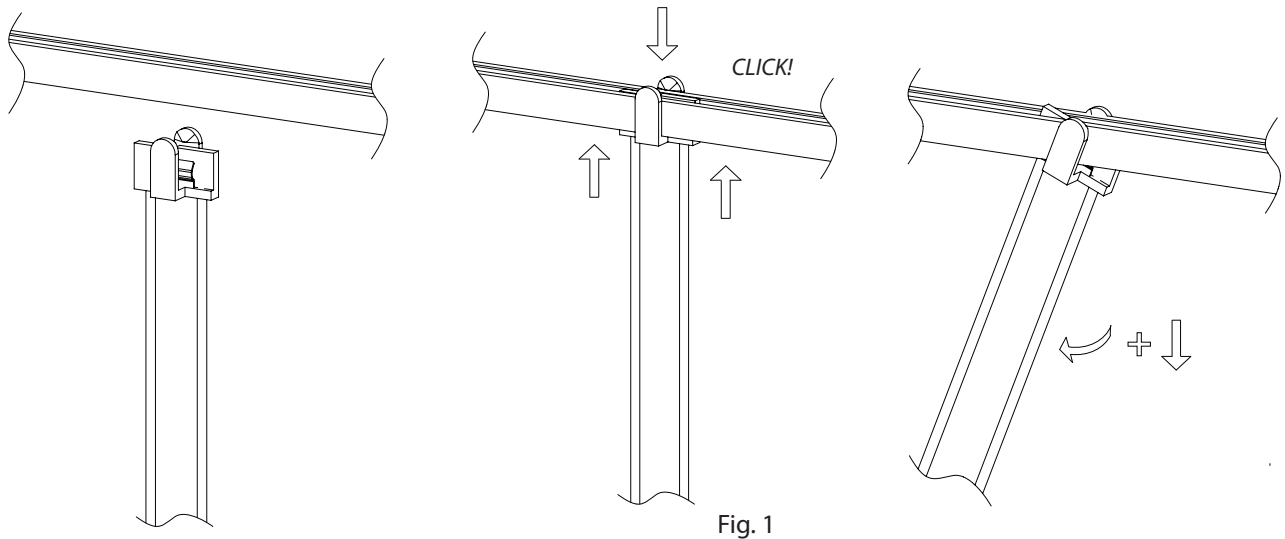
INSTRUCTIONS D'INSTALLATION

Applies to Components:

1XB04AR06K/S	1XB04AR12K/S
1XB04AR09K/S	1XB04AR18K/S

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)

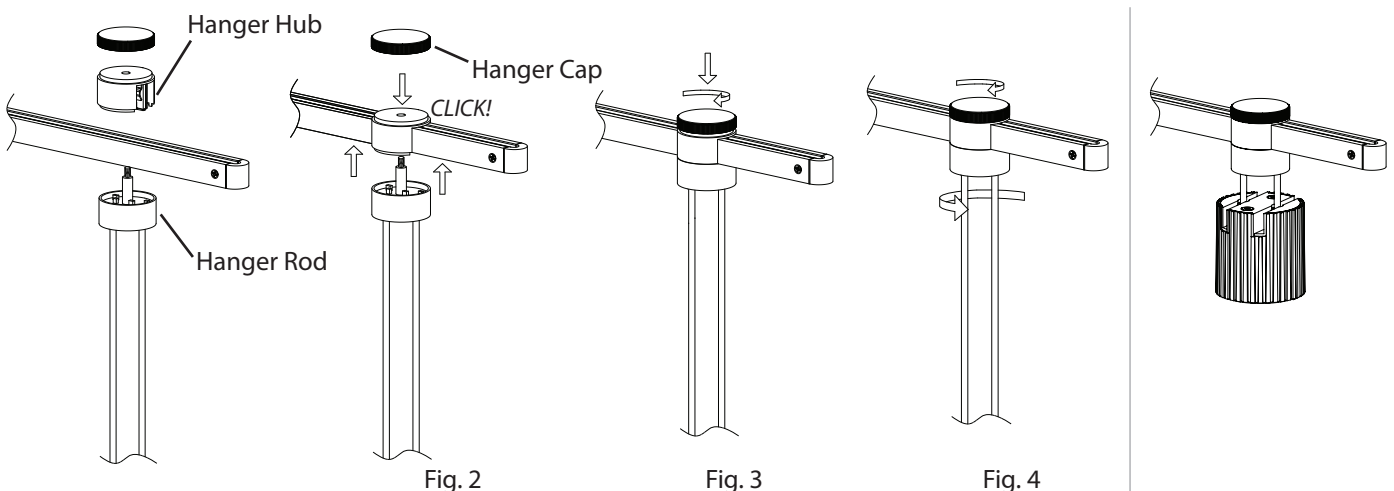


Connecting a Rotational Luminaire Hanger or Suspenders Precise Bar-Mounted Aimable Cylinder Light Engine to a Power Bar:

Applies to Components:

1XB04RD06K/S	1XB04RD12K/S	1XDXXCH02K/S
1XB04RD09K/S	1XB04RD18K/S	

1. Place the Rotational Luminaire **Hanger Hub** over the Power Bar.
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)



Luminaires and Luminaire Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:
1XB04CL09K/S
1XB04CL18K/S

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 the Hanger, while pressing up on the Power Bar. (Fig. 3)

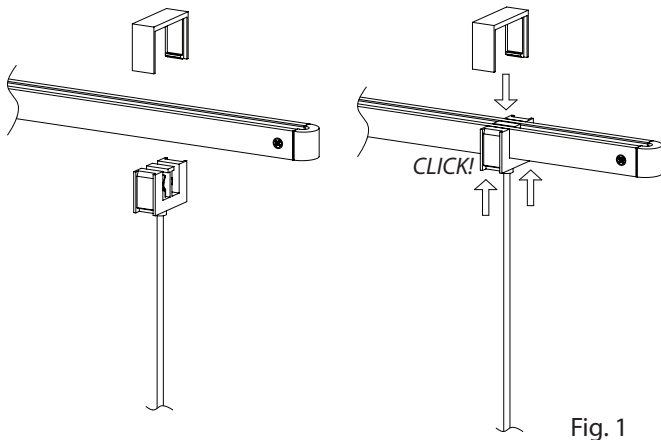


Fig. 1

Fig. 2

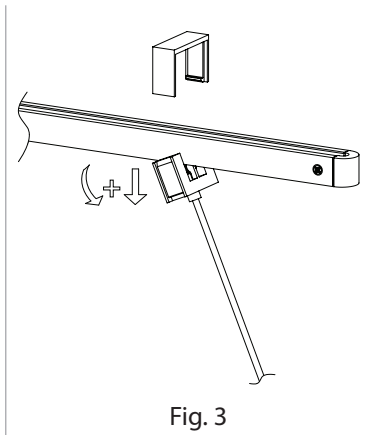


Fig. 3

Applies to Components:
1DXXXCL01K/S
1DXXXCL03K/S
1DXXXCL02K/S

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

1. Install the included **G4 Bulb**. (Fig. 4)
2. 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)

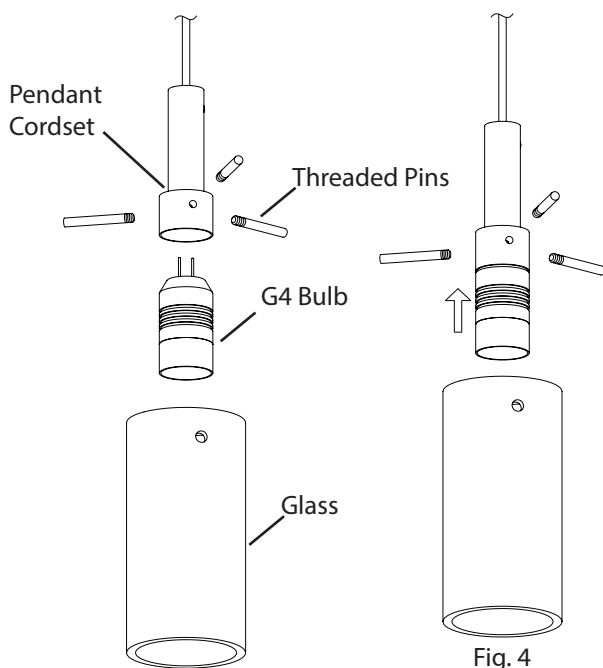


Fig. 4

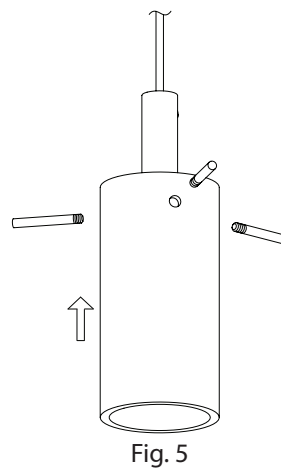


Fig. 5

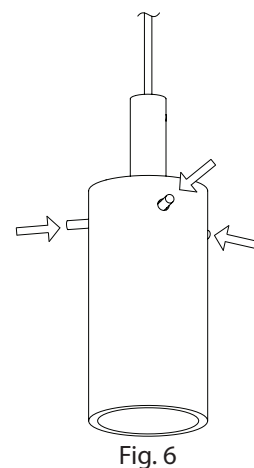


Fig. 6

Luminaires and Luminaire Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Component:
1XZ990001K/S

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)

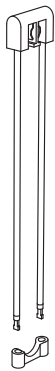


Fig. 1

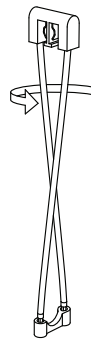


Fig. 2



Fig. 3

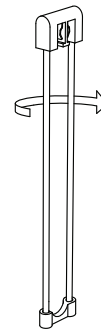


Fig. 4

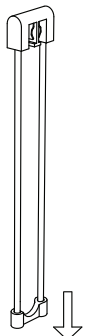


Fig. 5

Connecting a Ladder Light onto a Luminaire Hanger:

Applies to Component:
1XDXXLL01K/S

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)

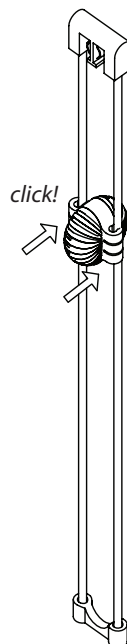
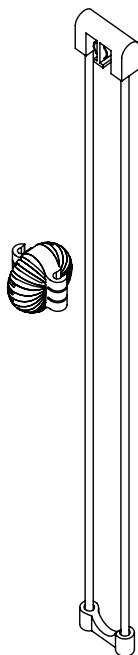


Fig. 6

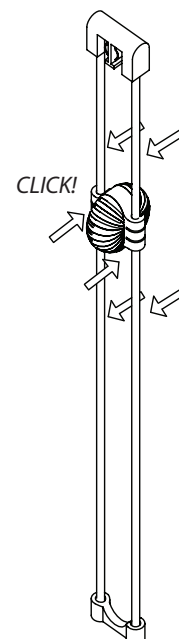


Fig. 7

Luminaires and Luminaire Hangers

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Applies to Components:

1XDXXLB12K/S 1XDXXLB36K/S
1XDXXLB24K/S

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)

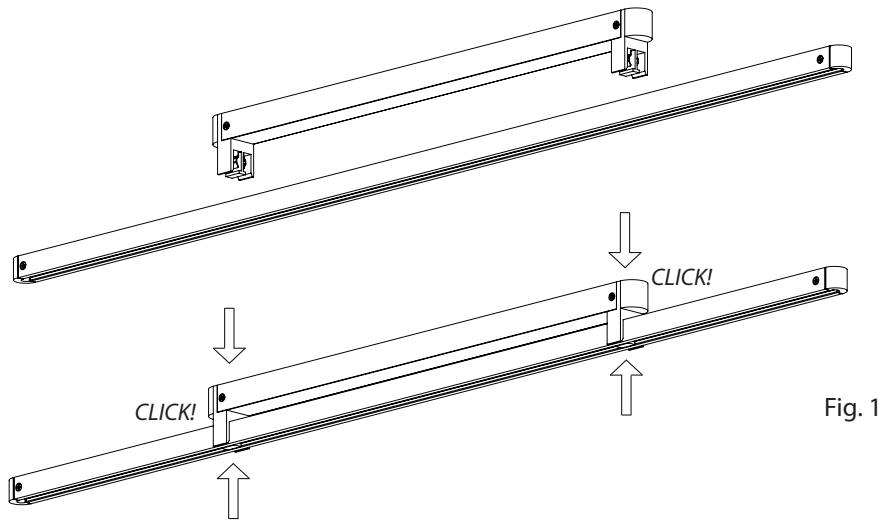


Fig. 1

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)

Applies to Component:
1XZ990005K/S

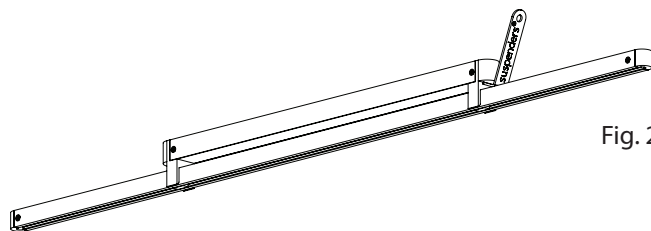


Fig. 2

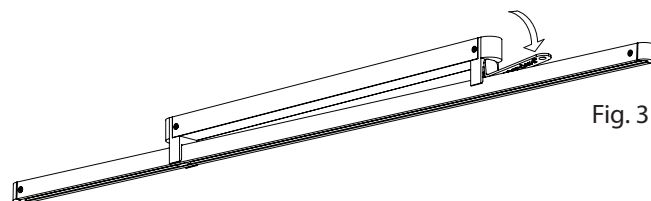


Fig. 3

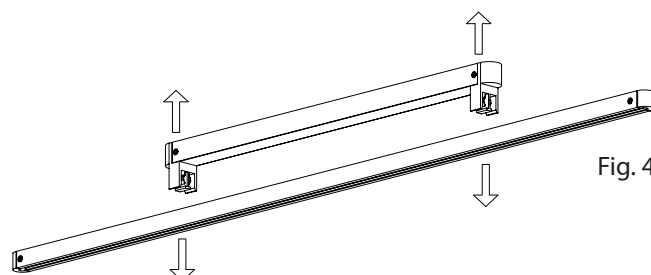


Fig. 4

Luminaires and Luminaire Hangers

Assembly Instructions

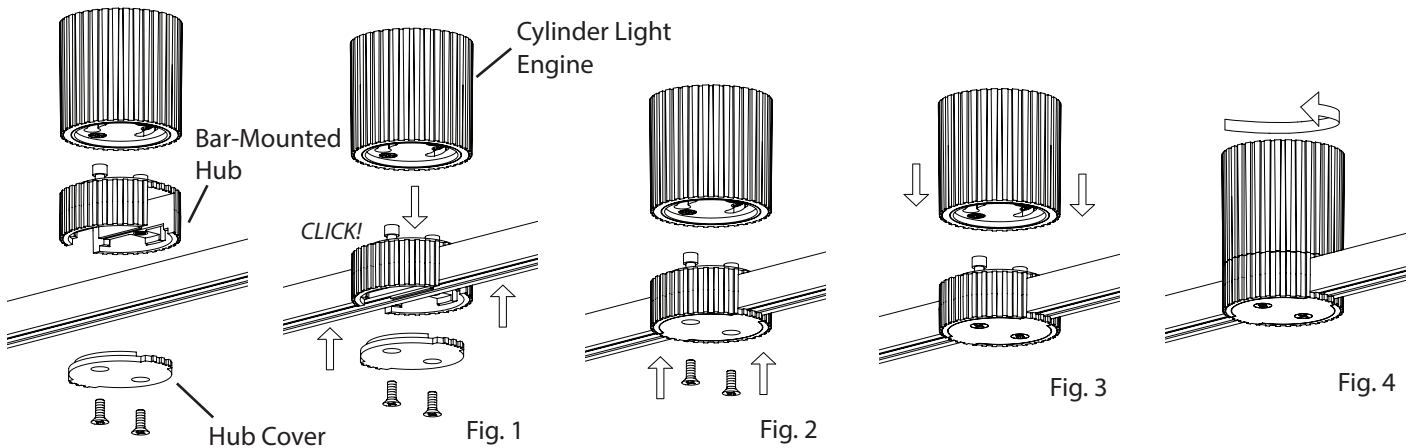
INSTRUCTIONS D'INSTALLATION

Applies to Components:

1XB04CH00K/S 1DXXCH01K/S

Connecting a Suspenders Precise Bar-Mounted Hub for Single Cylinder Light Engine to a Power Bar:

1. Place the **Bar-Mounted Hub** over the Power Bar.
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. 1)
3. Attach the **Hub Cover** to the Hub, making sure the counter-sunk holes on the cover are facing outward. Secure using two small Phillips screws. (Fig. 2)
4. 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)

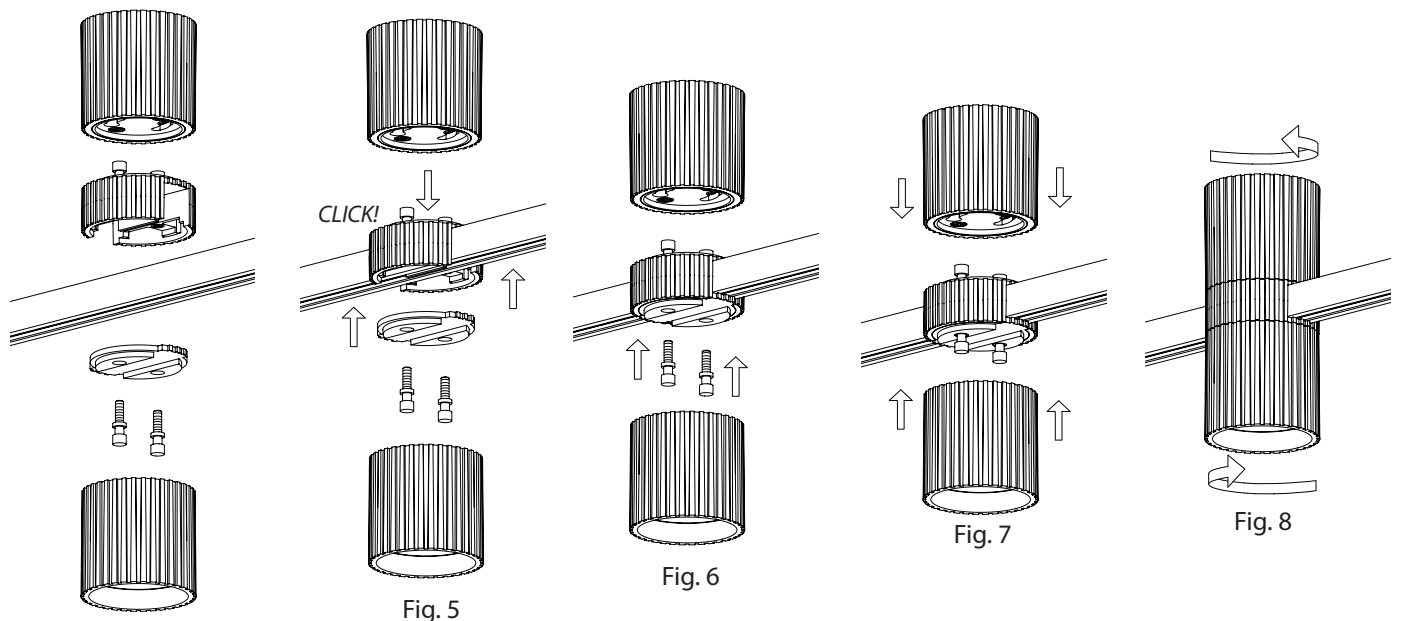


Connecting a Suspenders Precise Bar-Mounted Hub for Duplex Light Engines to a Power Bar:

Applies to Components:

1XB04CH00K/S 1DXXCH01K/S

1. Place the Hub over the Power Bar.
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. 5)
3. 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. 6)
4. Install the Cylinder Light Engine to the Hub by inserting the contacts on the Hub into the slots on the Light Engine (Fig. 7), then twisting the Light Engine to the ends of the slots. (Fig. 8)



Suspenders Precise™ Trim Kits

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Connecting a Trim to a Cylinder Light Engine:

1. Screw the Trim Ring into the Cylinder Light Engine. (Fig. 1)

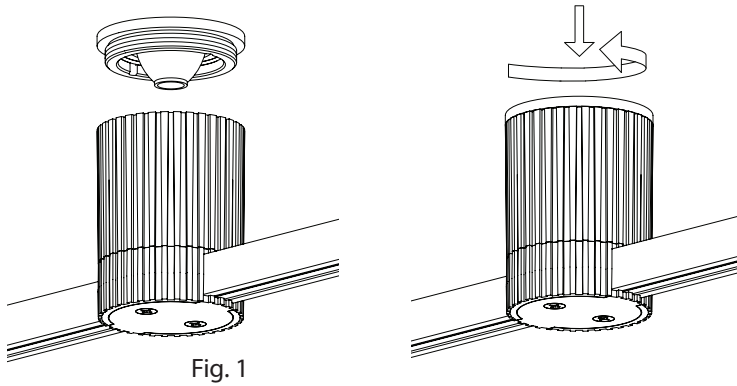


Fig. 1

Applies to Components:

1XZ010001K/S 1XZ010003K/S
1XZ010002K/S

Connecting a Trim to a Cylinder Light Engine:

1. Place a rubber **O-Ring** on each arm on the Parachute reflector trim. (Fig. 2)
2. Bend the **Parachute Reflector** and pass each hole over an arm. (Fig. 3)
3. Place another O-Ring on each arm and adjust the o-rings to set the desired reflector position. (Fig. 4)
4. Place the **Reflector Ring** on the Cylinder Light Engine and adjust to the desired angle. (Fig. 5)
5. While holding the reflector ring in place, screw the **Trim Ring** into the Cylinder Light Engine. (Fig. 6)

Applies to Components:

1XZ010004K/S 1XZ010005K/S

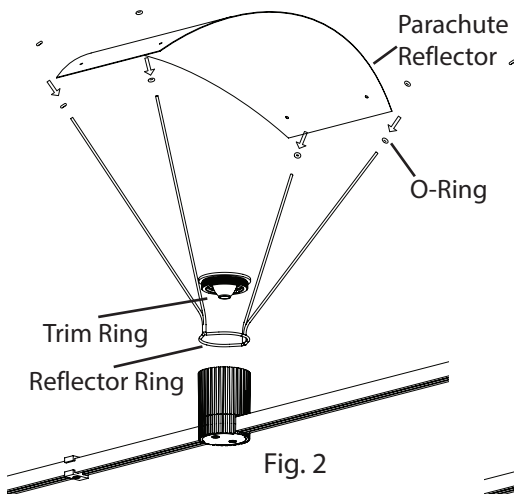


Fig. 2

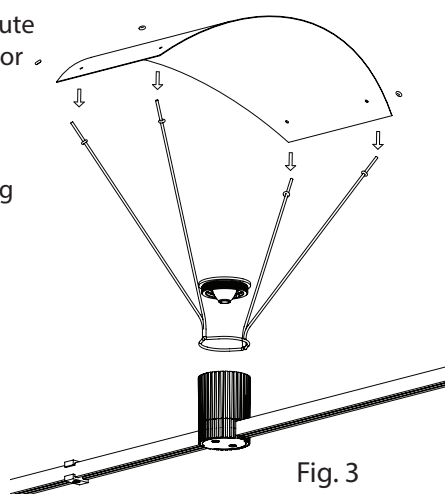


Fig. 3

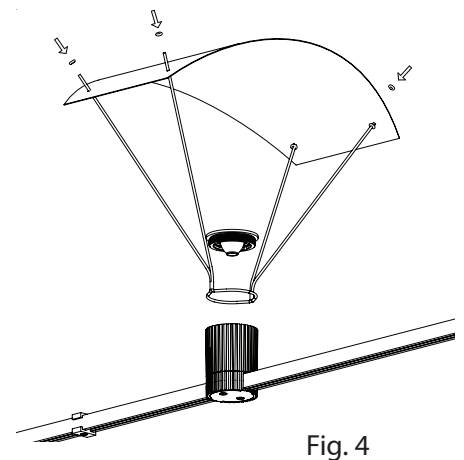


Fig. 4

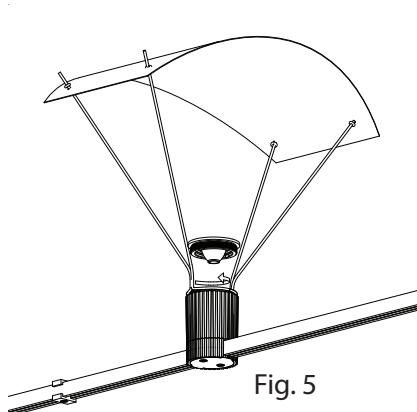


Fig. 5

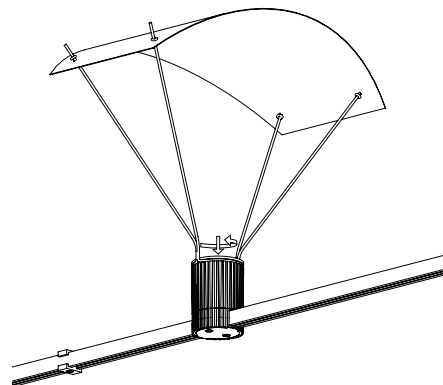


Fig. 6

Suspenders Precise™ Trim Kits

Assembly Instructions

INSTRUCTIONS D'INSTALLATION

Connecting a Trim to a Cylinder Light Engine:

1. Insert the Trim Ring into the shade. (Fig. 1)
2. Screw the Trim Ring into the Cylinder Light Engine. (Fig. 2)

Applies to Components:

1XZ010010K	1XZ010012K/S
1XZ010011K	1XZ010013K/S

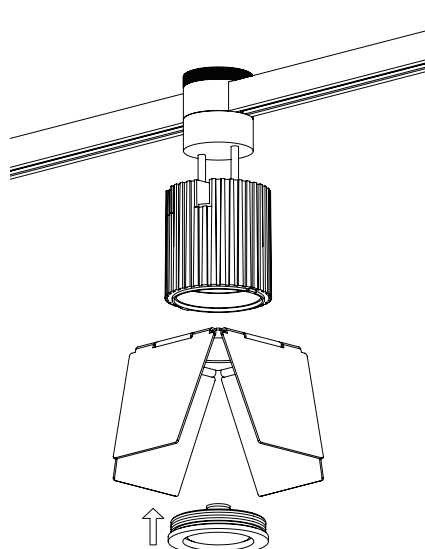


Fig. 1

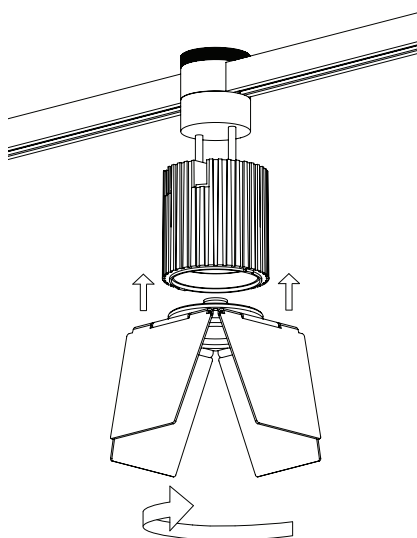


Fig. 2

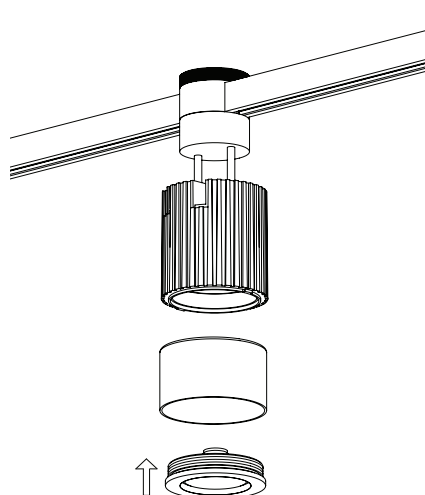
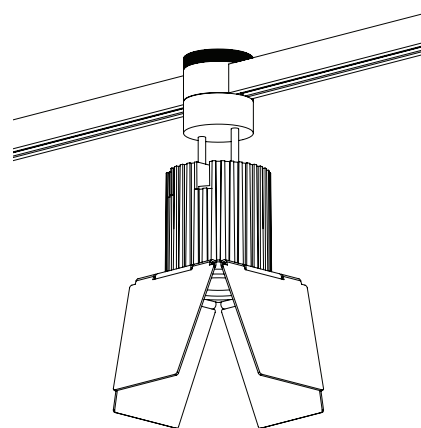


Fig. 1

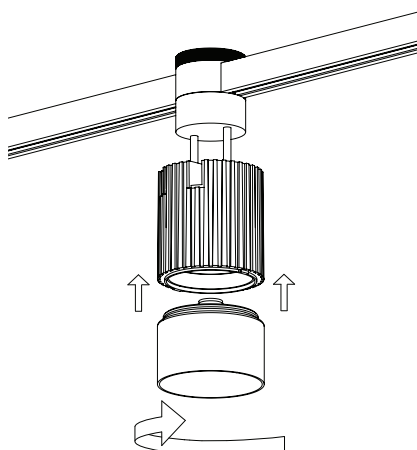
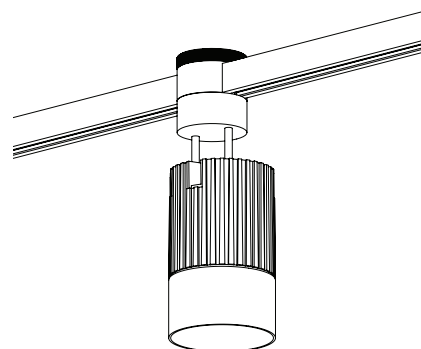


Fig. 2



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