

General Installation Instructions

READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

⚠ WARNING

To reduce the risk of death, injury or property damage from fire, electric shock, cuts, abrasions, falling parts, and other hazards:

- Service of the equipment must be performed by qualified service personnel.
- Installation and maintenance must be performed by a person familiar with the construction and operation of this product and any hazards involved. All applicable codes and ordinances must be followed.
- Read this document before installing, servicing, or maintaining this equipment or installing a lamp. These instructions do not cover all installation, service, and maintenance situations. If your situation is not covered, or if you do not understand these instructions or additional information is required, contact Peerless Lighting or your local Peerless Lighting Distributor.
- Read and follow all warnings and instructions provided by the lamp manufacturer.

⚠ WARNING

Before installing, servicing, or maintaining this equipment, follow these general precautions. To reduce the risk of electrocution:

- Make sure the equipment is properly grounded.
- Always de-energize the circuit and/or equipment before connecting to, disconnecting from, or servicing the equipment.

To prevent fixture row from over-current:

- By adding the input current of each fixture section marked on the fixture, the total current per power feed must not exceed the maximum line wire amperage marked on the fixture and the power feed cord/wire amperage rating whichever the least.

To reduce the risk of fire:

- Keep material away that can burn from hot lamp.
- Make sure lamps are correctly installed.
- Use supply conductors with a minimum installation temperature rating as specified on equipment.

To reduce the risk of personal injury from cuts, abrasions, or falling parts:

- Wear gloves to prevent cuts or abrasions from sharp edges when removing from carton, handling and maintaining this equipment.
- Do not use abrasive materials, glass cleaners or other solvents on reflector or lens. These substances may damage equipment and cause parts to eventually break and fall.
- Do not install a damaged fixture.

⚠ CAUTION

Observe lamp manufacturer's recommendations and restrictions on lamp operation, including but not limited to ballast type, burning position, replacement and cycling. Use only lamps that comply with applicable ANSI standards.

NOTICE: If lamp is marked (Hg) it contains mercury. Follow disposal laws. See www.lamprecycle.org

Peerless Lighting, a division of Acuity Brands Lighting, Inc., assumes no responsibility for claims arising out of improper or careless installation or handling of this product.

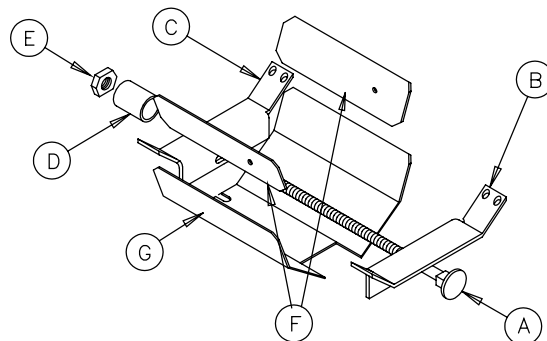
SAVE THESE INSTALLATION INSTRUCTIONS

Part Number: PIN004100 Revision: C Effective Date: 12/20/2010 ECO3618

JOINING	SECTION A
WALL SPACER, "D" MOUNT	SECTION B
WALL EXTENDED, "G" MOUNT	SECTION C
END WALL, "E" MOUNT (JOIST HANGER TYPE)	SECTION D
END WALL, "F" MOUNT (TELESCOPING TYPE)	SECTION E
CEILING SURFACE, "S" MOUNT	SECTION F
PATTERNS	SECTION G

"WARNING: RISK OF FIRE AND ELECTRICAL SHOCK. THIS PRODUCT IS TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY."

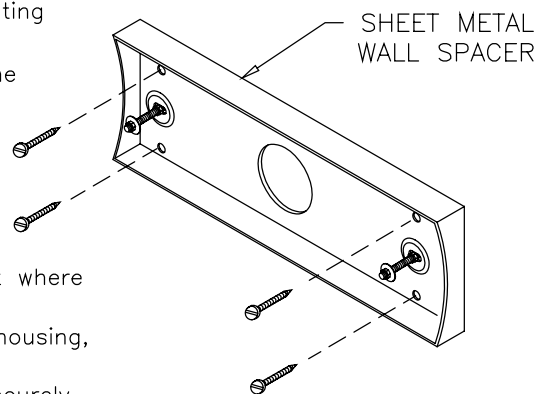
A) JOINING These instructions cover all Peerless Lighting fixtures that use alignment splines and internal brackets to join two sections together to form runs of multiple fixture sections. Both up lights and down lights are joined in this manner. The alignment splines (F) & (G) and the heavy steel brackets (B) & (C) are installed at the factory. The heavy steel brackets (B) & (C) are located inset from the end of each fixture section by approximately 2", inside of the socket holder brackets.



- 1) While the fixtures are still on the floor, remove the reflectors from the fixture sections on each side joint to be connected. This will expose the joiner brackets (B) & (C).
- 2) Mount the first fixture, the "starter" section, that normally has the feed at one end and has a support at the joint, per the mounting instructions supplied with the mounting hardware. The second "joiner" section to be added will not have a support at the joint.
- 3) Mount the second fixture per the instructions received with the mounting hardware, and guide the open end of the fixture onto the alignment splines (F) & (G).
- 4) Insert the carriage bolt (A) through the bracket (B) on one side of the joint and extend it across the joint and into bracket (C) on the opposite side. Slip the extension tube (D) onto the bolt end to extend the bolt area out from under the bracket, making it easier to tighten the nut (E) for a firm joint.
- 5) Splice the leads between fixtures and replace the reflectors (removed in step 1).
- 6) Level both sections by adjusting the mounting hardware. Should a wedge shaped gap appear at the joint, adjustment of the mounting hardware at the joint is required. If the wedge opening is at the top of the fixture, the mounting should be lowered. If the wedge opening is at the bottom of the fixture, the mounting should be raised.

B) WALL SPACER, "D" MOUNT These instructions cover Peerless Lighting fixtures that use one-piece sheet metal wall spacers.

- 1) Using a laser device or a snap line, determine the centerline for the location of the wall spacers.
- 2) Mount the wall spacers on the centers shown on the submittal drawings, using screws (by the installer), according to jobsite structural conditions.
- 3) Extend the building wire leads out of the junction box and through the wall spacer.
- 4) Remove the reflector from inside the fixture at each mounting point where studs from the bracket will penetrate the fixture housing.
- 5) Lift the fixture into place, aligning the studs with the holes in the housing, and slide the fixture into place over the studs.
- 6) From inside the fixture, install the retaining hardware and tighten securely.
- 7) Make the splices at the feed point to the fixture leads and replace the reflectors removed in step 4.



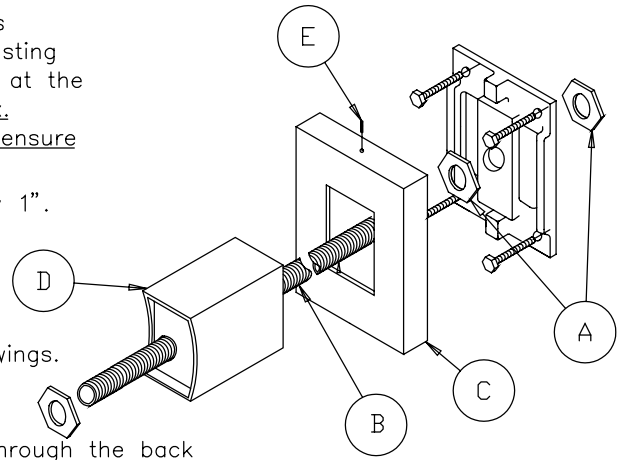
IN-0105-00

LD6 & LD9 1 PIECE Lightduct™ FIXTURES with Softshine® Optics INSTALLATION INSTRUCTIONS

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C) WALL EXTENDED, "G" MOUNT This heavy duty mounting is designed to mount over a 4" octagon junction box. The base casting is to be mounted to blocking installed above and below the box at the feed point. It is not intended to be mounted to the junction box. All mounting locations should have reinforcing inside the wall to ensure adequate support.

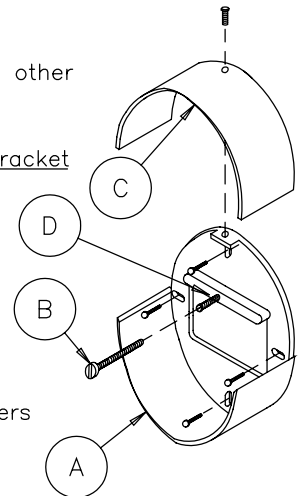
- 1) Thread a locknut (A) up the threaded pipe (B) approximately 1". Thread the pipe into the cast base, locking it in place with another locknut from the back of the cast base and the one previously installed.
- 2) Mount this base and pipe assembly to the blocking in the wall at each support location shown on the submittal drawings.
- 3) Slip the cast canopy (C) over the cast base and secure it with the set screws (E) provided.
- 4) Slip the extruded outer sleeve (D) over the threaded pipe, through the back canopy, and over the cast "key" of the cast base, allowing the threaded pipe to extend beyond the extruded sleeve.
- 5) Remove the reflector at all of the mounting locations of the fixture.
- 6) As the fixture is raised into position, insert the threaded pipe section into the mounting hole of the fixture. Install any internal spacers that were supplied to reinforce the inside of the fixture, then thread the locknut onto the threaded pipe from inside of the housing.
- 7) At the feed location, feed the lead wires into the threaded pipe and into the junction box. Remove the canopy installed in step 3 and slide it back out of the way while making the necessary splices in the junction box.
- 8) Replace the canopy over the cast base and secure it with the set screws.



D) END WALL, "E" MOUNT (Joist Hanger type) has two application methods. One is for wall-to-wall mounting and the other is one end only wall mounted with the other end cantilevered and supported from the ceiling.

FOR WALL-TO-WALL MOUNT there must be wood framing around the junction box as well as at the non-feed end to ensure adequate support for the fixture. The bracket at the feed end does not mount to the junction box, but to the framing in the wall around it.

- 1) Mount the saddle portions (A) of the hangers to walls for both ends of the fixture. Be sure that there are adequate lead wires from the junction box to reach through the saddle and into the fixture end.
- 2) Remove the reflector from the fixture at the feed end.
- 3) Lift the fixture up over both of the saddle mounts and lay the fixture into the saddles.
- 4) At each end of the fixture, insert and set the screws (B) to the saddle. This centers the fixture and ensures that the fixture will not shift to one side.
- 5) Make the splices to the fixture lead wires and replace the reflector (removed in step 2).
- 6) Mount the top cover (C) to the saddle with the screw provided.



WALL-TO-SUSPENDED, CANTILEVER MOUNT has two methods for feeding the fixture; at the wall or from one of the suspension points. For feeding the fixture from a suspension point, refer to the mounting instructions packed with the suspension hardware.

- 1) For feeding the fixture from the wall, there must be wood framing around the junction box. The bracket at the feed does not mount to the junction box, but to the framing in the wall around it.
- 2) If feeding from the wall, remove the reflector from the fixture at the wall end.
- 3) Lift the fixture into place and slide the end over the stud (D) extending from the saddle. Install the nut provided to lock the end into the saddle. Mount the fixture to the suspension mounting devices per instructions furnished with the suspension hardware.
- 4) Make splices to the fixture lead wires and replace the reflector.
- 5) Mount the top cover (C) to the saddle with the screw provided.

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LD6 & LD9 1 PIECE Lightduct™ FIXTURES with Softshine® Optics INSTALLATION INSTRUCTIONS

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E) END WALL. "F" MOUNT (Telescoping type) has two application methods. One is for wall-to-wall and the other is one end only wall mounted with the other end cantilevered and supported from the ceiling.

1) At the feed end of the fixture, wood framing around the junction box must be used to adequately support the junction box and the fixture end. The end wall fitting is mounted to the back of the box by means of a nipple (A) and double locknuts to retain the fitting against the wall.

2) At the feed end, slip the wall fitting (B) over the nipple extending from the box and secure it to the wall with a locknut (H) on the nipple.

3) At the opposite end, screw the wall fitting (B) to the wall through the two slots (C) on either side of the wall flange. CAUTION: Be sure that adequate support has been installed behind the wall.

4) Install any intermediate supports required following mounting instructions received with the hanging hardware.

5) Remove the short filler sections (D) at each end of the fixture. Loosen but do not remove the two retaining nuts (E) and retract the fixtures telescoping sleeve (F) as far into the fixture as possible.

6) Lift the fixture into alignment with the wall fittings and from inside the fixture, slide the outer telescoping sleeve (F) over the aligning tabs on the wall fitting (B).

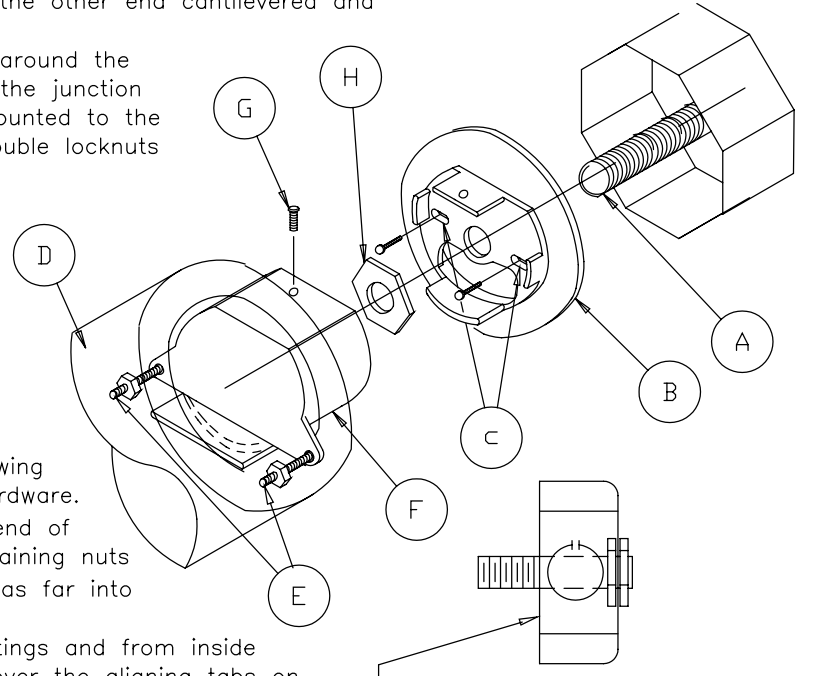
7) Install the nuts onto the studs and tighten each side evenly. This will give equal spacing on both ends of the fixture. Tighten until the telescoping sleeve is all the way against the flange of the wall fitting (B).

8) Set the set screw (G) making sure it has locked into the recess on the wall fitting (B).

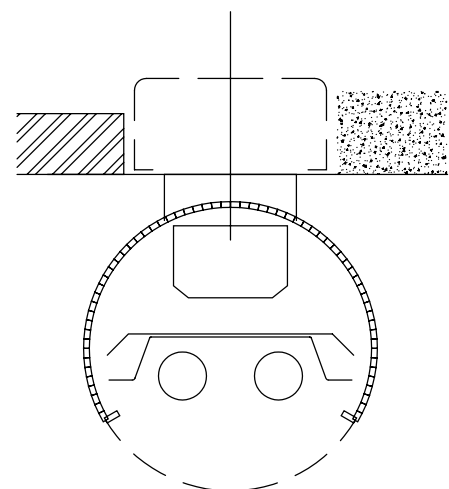
9) At the feed end, make your splice connections.

10) Replace the filler sections (removed in step 5).

F) CEILING SURFACE. "A" MOUNT is exactly the same mounting as our WALL SPACER, "D" MOUNT. Please refer to section B of these instructions and follow the procedures outlined, substituting "ceiling spacer" wherever the instructions refer to "wall spacer"



4" OCTAGON BOX, 1/2" NIPPLE
& LOCKNUTS ARE BY INSTALLER



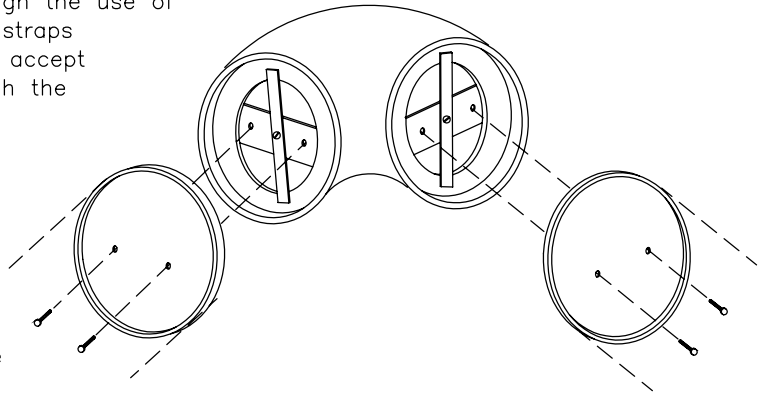
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LD6 & LD9 1 PIECE Lightduct™
FIXTURES with Softshine® Optics
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G) PATTERNS are assembled on the jobsite through the use of L, T, or X cast aluminum connectors having cross straps across the openings that are drilled and tapped to accept 1/4-20 machine screws. These are installed through the end cap from inside the end of the fixture. Two ways of mounting are used, depending upon the type of fixture mounting: ceiling or wall.

CEILING MOUNTING is easier if the corner connectors are mounted to the pendant hangers first, using the instructions received with the hanging hardware.

- 1) Refer to the submittal drawings for the exact mounting centers for the hanging hardware and the cast corner connectors.
- 2) Mount the cast corner connectors following the pendant mounting instructions enclosed with the mounting hardware.
- 3) Raise the first fixture into position between two of the connectors and, from inside the fixture ends, insert the 1/4-20 machine screws through the holes in the end cap and into the tapped holes of the cross strap on the corner connector. Orient the edges of the fixtures to align with the connector and tighten firmly.
- 4) Feed the lead wires from the first fixture through the cast connector leaving enough extra wire to enter the second fixture.
- 5) As the next fixture is raised into position, splice the leads from the corner connector to the fixture, and as the fixture is aligned to mount to the connector, slide the splices into the wireway hole of the fixture. Mount the second fixture to the corner connector as the original fixture was mounted.
- 6) Continue until all fixtures have been mounted. Level the fixtures per the pendant mounting instructions.



WALL MOUNTING of patterns is easier if the connectors are mounted to the fixtures before the fixtures are mounted to the wall.

- 1) Mount the first connector to the first fixture by inserting the 1/4-20 machine screws through the holes in the end cap from inside the fixture and into the threaded holes of the cross strap of the corner connector.
- 2) Insert the wire leads through the connector to feed the next fixture section.
- 3) Prepare the next fixture by mounting the next connector to it, and raise the fixture up to the previous connector. Before butting the fixture up to the connector, make the necessary splices of the leads and insert the splices into the wireway of the fixture as it meets the corner connector.
- 4) From inside the second fixture, insert the two 1/4-20 machine screws through the ends and thread them into the tapped holes of the strap on the connector.
- 5) Mount the fixture to the wall per mounting instructions and tighten the screws into the connector firmly.
- 6) Continue as above until all sections are installed.

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P E E R L E S S®

PEERLESS®

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IN-0103-00

LD3, LD6 & LD9 2 Piece

Lightduct™ FIXTURE

INSTALLATION INSTRUCTIONS

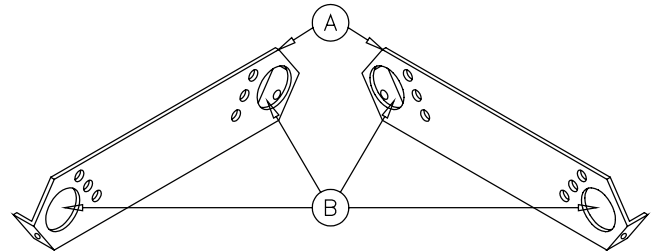
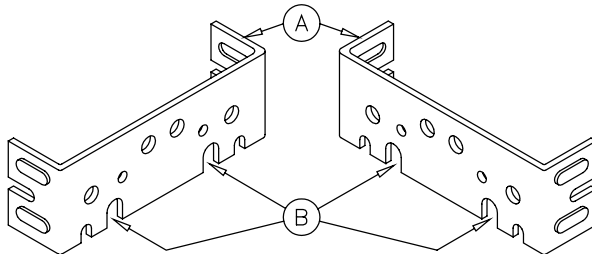
UP LIGHTS feature Softshine® Optics

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CEILING SURFACE, "A" MOUNT	SECTION F
PATTERNS	SECTION G

"WARNING: RISK OF FIRE AND ELECTRICAL SHOCK. THIS PRODUCT IS TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY."

A) JOINING These instructions cover all Peerless Lighting fixtures that use stamped steel rounded cross brackets to join two sections together to form runs longer than a single fixture section.

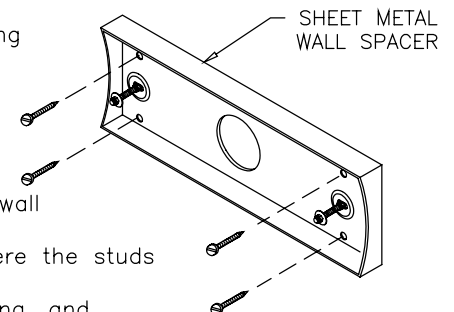


These stamped steel cross brackets act as both a fixture joiner as well as a cross support for two piece housings. To join the second fixture section to the first previously install fixture:

1. While the fixtures are still on the ground, remove the reflectors on both sides in the last lamp sections closest to the joint.
2. Mount the first fixture "starter" section that normally has the feed and has the mounting feature at the joint per the instructions received with the mounting hardware. The "joiner" section to be added will not have a mounting feature but will use the mounting at the end of the previous section for its support.
3. Mount the second fixture per the instructions received with the mounting hardware and using the mounting centers indicated on the drawings.
4. The two cross brackets (A) at the joint now will be joined using two machine screws and nuts provided between sections.
5. Insert the leads from one fixture section, through the cross bracket's wireway hole (B), and splice the leads
6. Re-install the four reflector sections that were removed in Step 1, above.
7. Complete final leveling of the two fixture sections. Should a wedge shaped gap appear at the joint, adjustment of the suspension support at that point is required. If the wedge opening is at the top of the fixture, the support device should be lowered. If the wedge opening is at the bottom of the fixture, the support device should be raised.

B) WALL SPACER, "D" MOUNT These instructions cover Peerless Lighting fixtures that use one-piece sheet metal wall spacers.

1. Using a laser device or a snap line, determine the centerline for the location of the wall spacers.
2. Mount the wall spacers on the centers shown on the submittal drawings, using screws (by the installer), according to jobsite structural conditions.
3. Extend the building wire leads out of the junction box and through the wall spacer.
4. Remove the reflector from inside the fixture at each mounting point where the studs from the bracket will penetrate the fixture housing.
5. Lift the fixture into place, aligning the studs with the holes in the housing, and slide the fixture into place over the studs.
6. From inside the fixture, install the retaining hardware and tighten securely.
7. Make the splices at the feed point to the fixture leads and replace the reflectors removed in Step 4.



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C) WALL EXTENDED, "G" MOUNT This heavy duty mounting is designed to mount over a 4" octagon junction box. The case casting is to be mounted to blocking installed above and below the box at the feed point. It is not intended to be mounted to the junction box. All mounting locations should have reinforcing inside the wall to ensure adequate support.

1. Thread a locknut (A) up the threaded pipe (B) approximately 1". Thread the pipe into the cast base, locking it into place with another locknut from the back of the cast base and the one previously installed.

2. Mount this base and pipe assembly to the blocking in the wall at each support location shown on the submittal drawings.

3. Slip the cast canopy (C) over the cast base and secure it with the set screws (E) provided.

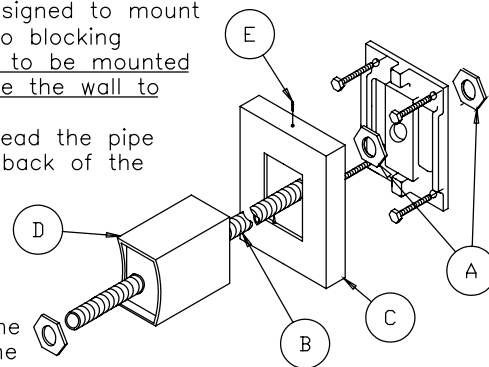
4. Slip the extruded outer sleeve (D) over the threaded pipe, through the the back canopy, and over the cast "key" of the cast base, allowing the threaded pipe to extend beyond the extruded sleeve.

5. Remove the reflector at all of the mounting locations of the fixture.

6. As the fixture is raised into position, insert the threaded pipe section into the mounting hole of the fixture. Install any internal spacers that were supplied to reinforce the inside of the fixture, then thread the locknut onto the threaded pipe from inside the housing.

7. At the feed location, feed the lead wires into the threaded pipe and into the junction box. Remove the canopy installed in Step 3 and slide it back out of the way while making the necessary splices in the junction box.

8. Replace the canopy over the cast base and secure it with the set screws.



D) END WALL, "E" MOUNT (Joist Hanger type) has two application methods. One is for wall-to-wall mounting and the other is one end only wall mounted with the other end cantilevered and supported from the ceiling.

FOR WALL-TO-WALL MOUNT there must be wood framing around the junction box as well as at the non-feed end to ensure adequate support for the fixture. The bracket at the feed end does not mount to the junction box, but to the framing in the wall around it.

1. Mount the saddle portions (A) of the hangers to wall for both ends of the fixture.

Be sure that there are adequate lead wires from the junction box to reach through the saddle and into the fixture end.

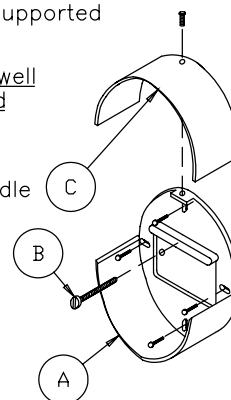
2. Remove the reflector from the fixture at the feed end.

3. Lift the fixture up over both of the saddle mounts and lay the fixture into the saddles.

4. At each end of the fixture, insert and set the screws (B) to the saddle. This centers the fixture and ensures that the fixture will not shift to one side.

5. Make the splices to the fixture lead wires and replace the reflector (removed in Step 2).

6. Mount the top cover (C) to the saddle with the screw provided.



WALL-TO-SUSPENDED, CANTILEVER MOUNT has two methods for feeding the fixture; at the wall or from one of the suspension points. For feeding the fixture from a suspension point, refer to the mounting instructions packed with the suspension hardware.

1. For feeding the fixture from the wall, there must be wood framing around the junction box. The bracket at the feed end does not mount to the junction box, but to the framing in the wall around it.

2. If feeding from the wall, remove the reflector from the fixture at the wall end.

3. Lift the fixture into place and slide the end over the stud extending from the saddle. Install the nut provided to lock the end into the saddle. Mount the fixture to the suspension mounting device per instructions furnished with the suspension hardware.

4. Make the splices to the fixture lead wires and replace the reflector.

5. Mount the top cover (C) to the saddle with the screw provided.

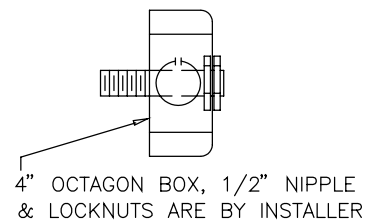
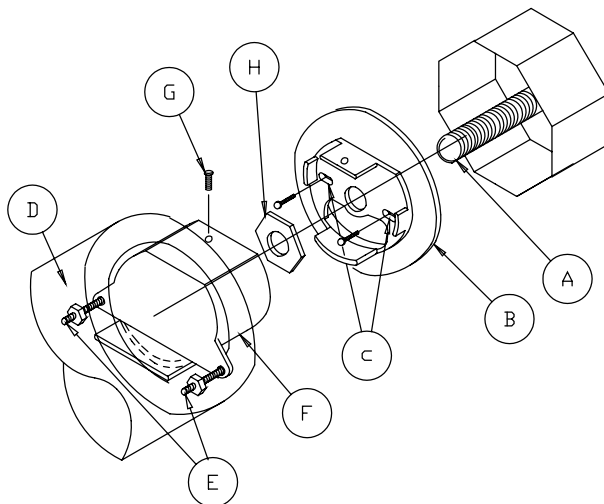
E) END WALL, "F" MOUNT (Telescoping type) has two application methods. One is for wall-to-wall and the other is one end only wall mounted with the other end cantilevered and supported from the ceiling.

1. At the feed end of the fixture, wood framing around the junction box must be used to adequately support the junction box and the fixture end. The end wall fitting is mounted to the back of the box by means of a nipple (A) and double locknuts to retain the fitting against the wall.

2. At the feed end, slip the wall fitting (B) over the nipple extending from the box and secure it to the wall with a locknut (H) on the nipple.

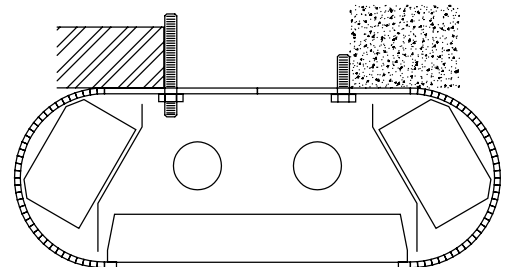
3. At the opposite end, screw the wall fitting (B) to the wall through the two slots (C) on either side of the wall flange. CAUTION: Be sure that adequate support has been installed behind the wall.

4. Install any intermediate supports required following the mounting instructions received with the hanging hardware.
5. Remove the short filler sections (D) at each end of the fixture. Loosen but do not remove the two retaining nuts (E) and retract the fixtures telescoping sleeve (F) as far into the fixture as possible.
6. Lift the fixture into alignment with the wall fittings and from inside the fixture, slide the outer telescoping sleeve (F) over the aligning tabs on the wall fitting (B).
7. Install the nuts onto the studs and tighten each evenly. This will give equal spacing on both ends of the fixture. Tighten until the telescoping sleeve is all the way against the flange of the wall fitting (B).
8. Set the set screw (G) making sure it has locked into the recess on the wall fitting (B).
9. At the feed end, make the splice connections.
10. Replace the filler sections (removed in Step 5).



F) CEILING SURFACE. "A" MOUNT These directly mounted fixtures are designed with a feed hole at the junction box and periodic mounting holes drilled into the top of the housing for screw mounting from inside the fixture, through the fixture top, and directly into the ceiling. Mounting screws are not provided as construction details are not known and the screws we would provide may not be appropriate for the construction. Note: additional support must be supplied above the ceiling at each mounting location to insure adequate support of the fixture.

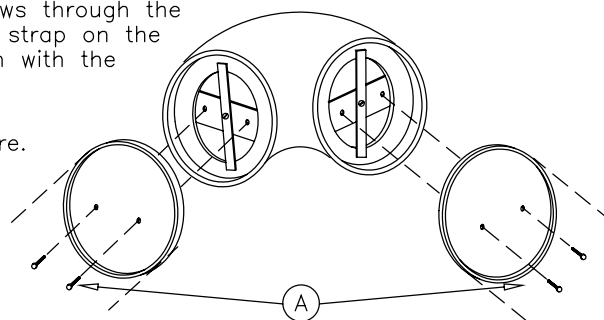
1. Using a snap line or laser device, mark the exact fixture run center on the ceiling.
2. Locate each support point and confirm that backing has been installed to insure adequate support for the fixture.
3. Locate each mounting hole in the top of the housing and remove the reflector from inside the fixture at that location.
4. Raise the fixture into position, making sure it is aligned with the centerline mark and that the feed hole of the fixture is located over the junction box.
5. At each support location, screw the fixture into the ceiling with the appropriate type of screw of the job condition.
6. After the fixture is securely mounted into position, make the necessary splices.
7. Replace all reflectors removed in Step 3.



EXCEPTION: If the fixture is a pre-wired fixture section and is to continue on as a longer run, do not replace the last reflector at the open end of the fixture that is to receive the next fixture section. (Refer to the joining instructions provided in section A) Replace the last reflector only after joining of the two sections has been completed and the splicing of lead wires accomplished.

G) PATTERNS are assembled on the jobsite through the use of L, T or X cast aluminum connectors having cross-straps across the openings that are drilled and tapped to accept 1/4-20 machine screws. These are installed through the end cap from inside the end of the fixture. Two ways of mounting are used, depending upon the type of fixture mounting: ceiling or wall. CEILING MOUNTING is easier if the corner connectors are mounted to the pendant hangers first, using the instructions received with the hanging hardware.

1. Refer to the submittal drawings for the exact mounting centers for the hanging hardware and the cast corner connectors.
2. Mount the cast corner connectors following the pendant mounting instructions enclosed with the mounting hardware.
3. Raise the first fixture into position between two of the connectors and, from inside the fixture ends, insert the 1/4-20 machine screws through the holes in the end cap and into the tapped holes of the cross strap on the corner connector (A). Orient the edges of the fixtures to align with the connector and tighten firmly.
4. Feed the lead wires from the first fixture through the cast connector leaving enough extra wire to enter the second fixture.
5. As the next fixture is raised into position, splice the leads from the corner connector to the fixture, and, as the fixture is aligned to mount to the connector, slide the splices into the wireway hole of the fixture. Mount the second fixture to the corner connector as the original fixture was mounted.
6. Continue until all fixtures have been mounted. Level the fixtures per the pendant mounting instructions.



WALL MOUNTING of patterns is easier if the connectors are mounted to the fixtures before the fixtures are mounted to the wall.

1. Mount the first connector to the first fixture by inserting the 1/4-20 machine screws through the holes in the end cap from inside the fixture and into the threaded holes of the cross strap of the corner connector (A).
2. Insert the wire leads through the connector to feed the next fixture section.
3. Prepare the next fixture by mounting the next connector to it, and raise the fixture up to the previous connector. Before butting the fixture up to the connector, make the necessary splices of the leads and insert the splices into the wireway of the fixture as it meets the corner connector.
4. From inside the second fixture, insert the two 1/4-20 machine screws through the ends and thread them into the tapped holes of the strap on the connector.
5. Mount the fixture to the wall per mounting instructions and tighten the screws into the connector firmly.
6. Continue as above until all sections are installed.

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