

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

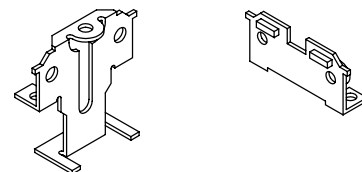
JOINING	SECTION A
WALL SPACER, "D" MOUNT	SECTION B
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END WALL, "E" MOUNT (JOIST HANGER TYPE)	SECTION D
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"WARNING: RISK OF FIRE AND ELECTRICAL SHOCK. THIS PRODUCT IS TO BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY."

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

To join the second fixture section to the first previously install fixture:

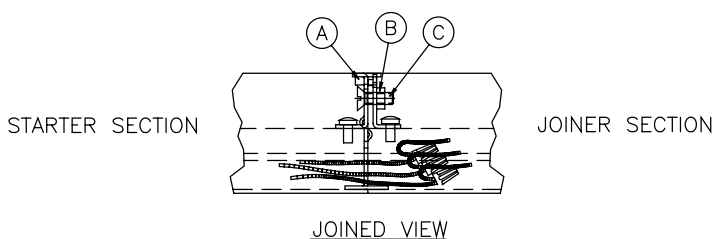
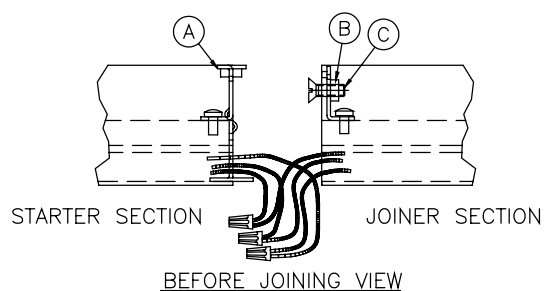
1. Mount the first fixture "starter" section that normally has the feed and has the mounting feature at the joint per the instructions received with the mounting hardware. The "joiner" section to be added will not have a mounting feature but will use the mounting at the end of the previous section for its support.



2. Mount the second fixture per the instructions received with the mounting hardware and using the mounting centers indicated on the drawings. As the second fixture is being raised into position, splice the leads together and insert the splices back into the fixture.

3. The two brackets at the joint now will be joined using two 1/4-20 screws (C) installed at the factory. Remove the two 1/4-20 screws. Align the second fixture with the first and insert the screws through the holes of the joiner/hanger (B) and into the joiner (C). Tighten securely.

4. 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 a steel mounting plate and wall spacers (installed at factory). This mounting is designed to mount over a **2" x 4" rectangular junction box**.

1. Using a laser device or a snap line, determine the centerline for the location of the mounting plate.
2. Install the mounting plate(s) (A) on the centers shown on the submittal drawings, using screws (by the installer), according to jobsite conditions. All mounting locations should have reinforcing inside the wall to ensure adequate support.
3. Extend the building wire leads out of the junction box, pull the fixture leads through the wall spacer.
4. Make the splices at the feed point to the fixture leads. (see detail on page 2)

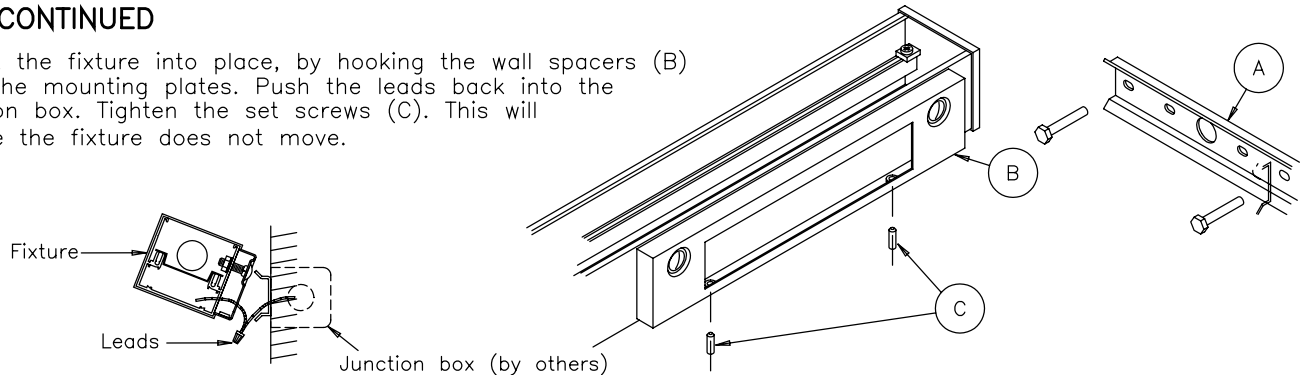
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B) CONTINUED

5. Lift the fixture into place, by hooking the wall spacers (B) over the mounting plates. Push the leads back into the junction box. Tighten the set screws (C). This will ensure the fixture does not move.



C) WALL EXTENDED. "G" MOUNT This mounting is designed to mount over a **2" x 4" rectangular junction box**. The saddle casting is to be mounted to blocking installed above 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. To mount the support arm (D) to the fixture, slip it onto the mounting bracket (E) attached to the side of the fixture. Be sure to hook the bracket (F) over the top edge of the fixture. Install the hex nut (A1) provided onto the stud protruding from the mounting bracket. Tighten securely. Repeat this step for each support location.

2. Remove the hex nut (A2) from the saddle casting (B). Mount the saddle to the wall using 2 screws appropriate for the construction 'sandwiching' the cover (C) between the saddle and the wall. If the mounting point is a feed location, be sure that there are adequate lead wires from the junction box to reach through the saddle, support arm and into the fixture end. Repeat this procedure for each support location shown on the submittal drawings.

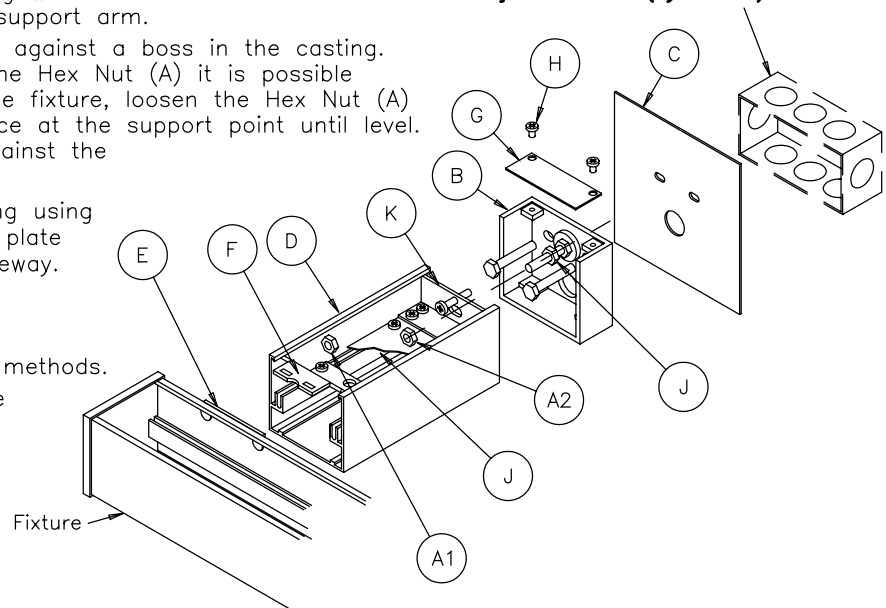
3. Remove the filler plate (J) to expose the wireway. Mount the fixture with the support arm to the saddle casting (B) by sliding it over the carriage bolt in the saddle casting, securing it in place with the hex nut (A2) removed in step 2.

4. At the feed location, splice the building wires to the fixture wires and push the wires back into the support arm.

5. When installed, the fixture will butt up against a boss in the casting. When locked into position by tightening the Hex Nut (A) it is possible to have an upward tilt of 4°. To Level the fixture, loosen the Hex Nut (A) and adjust the suspension mounting device at the support point until level. After leveling, tighten the Hex Nut (J) against the Joiner (K) to secure the fixture in place.

6. Mount the top cover (G) to the casting using the screws provided (H). Install the filler plate (J) (removed in step 3) covering the wireway.

2" X 4" junction box (by others)



D) END WALL. "E" MOUNT

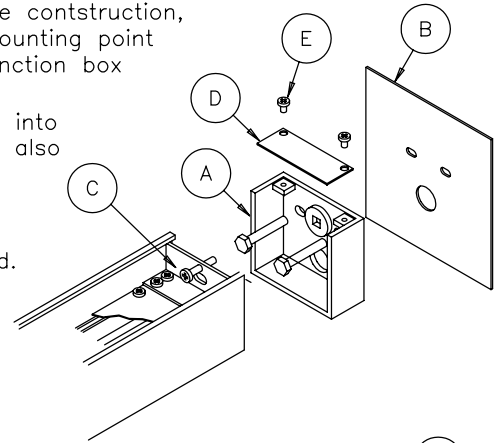
(Joist Hanger type) has two application methods.

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. Both applications are designed to mount over a **2" x 4" rectangular junction box**.

FOR WALL-TO-WALL MOUNT there must be wood framing above the junction box as well as 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 above it.

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1. Mount the saddle (A) to the wall using 2 screws appropriate for the construction, 'sandwiching' the cover (B) between the saddle and the wall. If the mounting point is a feed location, be sure there are adequate lead wires from the junction box to reach through the saddle and into the fixture end.
2. Lift the fixture up over both the saddle mounts and lay the fixture into the saddles. Adjust the screw (C) so that the fixture is centered. This also ensures that the fixture will not shift to one side.
3. Make the splices to the fixture lead wires and push the splices back into the fixture.
4. Mount the top cover (D) to the saddle with the screws (E) provided.

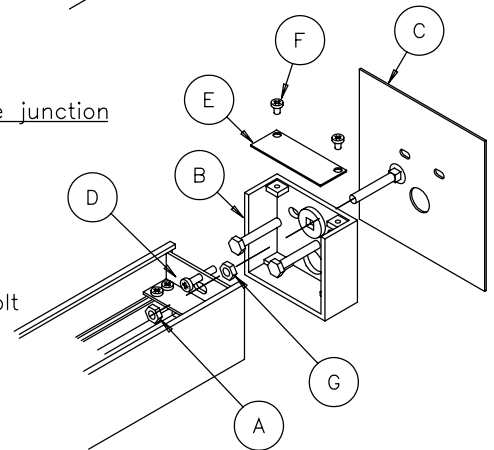


WALL-TO-SUSPENDED, CANTILEVER MOUNT

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.

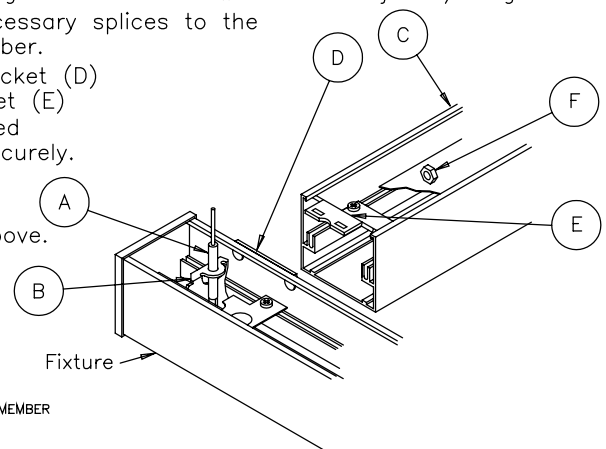
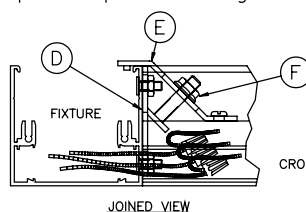
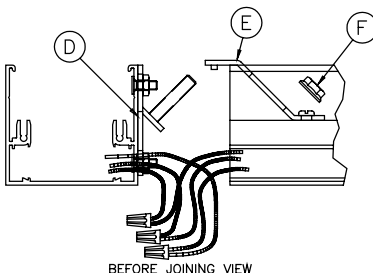
1. For feeding the fixture from the wall, there must be wood framing above the junction box. The bracket at the feed does not mount to the junction box, but to the framing in the wall above it.

2. Remove one of the hex nuts (A) from the saddle casting (B). Mount the saddle to the wall using 2 screws appropriate for the construction, 'sandwiching' the cover (C) between the saddle and the wall. Be sure that there are adequate lead wires from the junction box to reach through the saddle and into the fixture end.
3. Lift the fixture (D) into place and slide the end over the carriage bolt extending from the saddle. Install the hex nut (A) (removed in step 2). Tighten securely. Mount the fixture to the suspension mounting device furnished with the suspension hardware.
4. Make the splices to the fixture lead wires and push the splices back into the fixture.
5. Mount the top cover (E) to the saddle with the screws (F) provided.



E) PATTERNS are assembled on the jobsite through the use of simple butt joints. To assemble the butt joints, always join after you have finished the straight joining (if applicable).

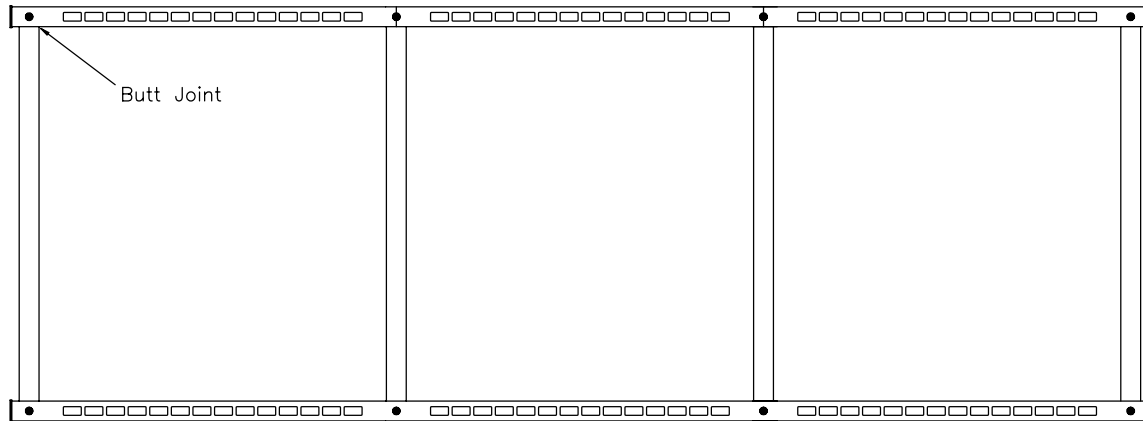
1. Refer to the submittal drawings for the exact mounting centers for the hanging hardware.
2. Raise the first fixture into position and attach the suspension cable (A) by threading the barrel into the nut in the joiner/hanger (B). Lock the barrel into place by tightening the hex nut down onto the joiner/hanger.
3. As a cross member (C) is lifted into position, make the necessary splices to the extended leads and insert the splices back into the cross member.
4. Lift the cross member up and slip it onto the mounting bracket (D) attached to the side of the fixture. Be sure to hook the bracket (E) over the top edge of the fixture. Install the hex nut (F) provided onto the stud protruding from the mounting bracket. Tighten securely.
5. At the opposite end of the cross-member repeat steps 2 through 4 above.
6. Mount the other cross-member(s) per steps 2 through 4 above.



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Typical Pattern

F) CHANDELIER WIRING In this application, the wires of the fixture are grouped together into "blocks" for ease of connection and assembly. It is important that the colors of the blocks be matched up (e.g. like color with like color). Matching un-like colors could result in personal injury or damage to the fixture. Make the wiring connections prior to joining. The examples below are for fixtures with T8 lampholders.

SQUARE CONFIGURATION

1. Locate the center cross member (contains ballasts and hole for feed). This piece will have connector blocks at each end. The connector blocks will have three (3) modules (RED, YELLOW and BLUE).
2. Find the fixture section with end caps (this will have a three (3) module connector block and a two (2) module connector block [RED and YELLOW]). Connect the three module connector block to the one in the center cross member, being sure to match RED with RED and BLUE with BLUE.
3. Find the fixture section without end caps (this will have a two (2) module connector block [RED and YELLOW]). Connect the two connector block to the one in the fixture section with end caps, being sure to match RED with RED and YELLOW with YELLOW.
4. Join fixture together following the instructions in section E.
5. Complete the wiring per the instructions included with the hanging hardware.

"H" CONFIGURATION

1. Locate the center cross member (contains ballasts and hole for feed). This piece will have connector blocks at each end. The connector blocks will have two (2) modules (BLUE and YELLOW) and (RED and YELLOW).
2. Find the fixture section with end caps (this will have a two (2) module connector block) and connect the connector block to the connector in the center cross member, being sure to match RED with RED and YELLOW with YELLOW, or BLUE with BLUE and YELLOW with YELLOW.
3. Join fixture together following the instructions in section E.
4. Complete the wiring per the instructions included with the hanging hardware.

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