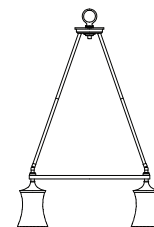
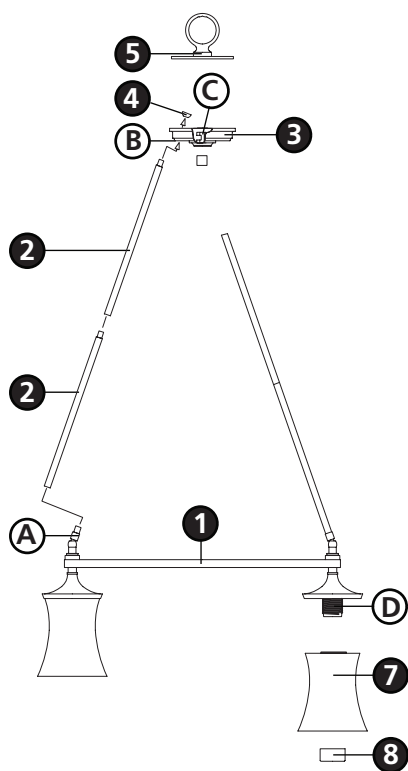


Item No. 4508

▼ start here



Drawing 1 - Glass Installation



1

1. Find a clear area in which you can work.
2. Unpack fixture and glass from carton.
3. Carefully review instructions prior to assembly.

**\*\*\* The construction of this fixture will be accomplished by first assembling the fixture, determining what mounting style you will use, making all necessary electrical connections, installing the appropriate hardware to the junction box, and then hanging the fixture from the ceiling.**

2

**SAFETY WARNING: READ WIRING AND GROUNDING INSTRUCTIONS (I.S. 18) AND ANY ADDITIONAL DIRECTIONS. TURN POWER SUPPLY OFF DURING INSTALLATION. IF NEW WIRING IS REQUIRED, CONSULT A QUALIFIED ELECTRICIAN OR LOCAL AUTHORITIES FOR CODE REQUIREMENTS.**

3

1. To assemble fixture, attach the stems (2) to the swivels (A), located on main ring assembly (1) by threading them together.
2. Slip top end of each stem (2) through one of the large holes (B) in secondary canopy (3). Starting at one hole then going clockwise around the secondary canopy.
3. On the top of each stem (2) thread on the half ball knob (4).
4. At this point you must determine if the fixture is to be chain hung or mounted to the ceiling. Please see instructions below for each option.

4

#### Chain Hung Option

1. Thread supply wire through the side of coupler (C) and out through the top threaded hole.
2. Slip loop and plate assembly (5) along supply wire and thread into coupler (C) and tighten.
3. Please refer to the hanging instruction sheet (I.S. 19) provided to hang fixture. Then refer back to this sheet to install glass.

5

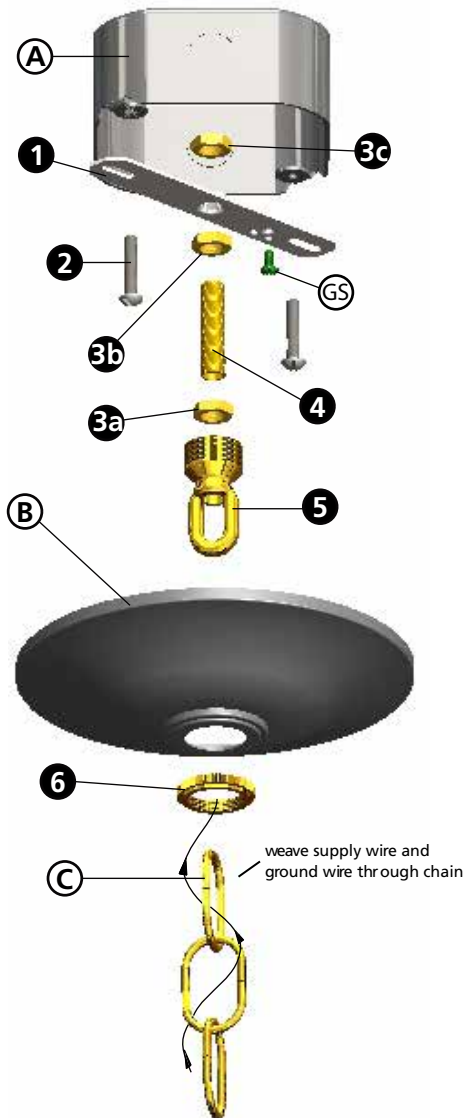
#### Ceiling Mount

1. Please refer to the hanging instruction sheet (I.S. 17) provided to hang fixture. Then refer back to this sheet to install glass.

6

1. To install glass, remove socket ring (8) from socket (D).
2. Slip glass (7) over socket (D) and replace socket ring (8).
3. Repeat steps 1-2 for remaining glass.
4. Fixture can now be lamped accordingly

Drawing 1 - Hanging Assembly



Drawing 2 Canopy Adjustment



## ▼ start here

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1

1. Shut off electrical current before starting. If the fixture you are replacing is turned on and off by a wall switch, simply turn the switch off. If not, remove the appropriate fuse (or open the circuit breakers) until the fixture is dead.

- DO NOT restore current - either by fuse, breaker or switch - until the new fixture is completely wired and in place.

2

1. Fasten mounting strap (1) to outlet box (A) with the two 8-32 screws (NOT PROVIDED) (2) - see Drawing 1.
2. Thread 2 - hex nuts (3a) and (3b) onto threaded tubing (4).
3. Thread one end of threaded tubing (4) into loop (5) a minimum of 1/2" to 3/4". Tighten hexnut (3a) against loop (5) to lock loop in position.
4. Thread other end of threaded tube (4) into mounting strap approximately 1/2".
5. Slip canopy (B) over loop (5) and adjust height of loop so half of the threaded area on the loop is exposed - see **Drawing 2** below. After loop height is adjusted, tighten hex nut (3b) up against mounting strap, tighten against mounting strap to lock in position.
6. Remove mounting strap (1) from junction box (A), and thread third hex nut (3c) onto end of threaded tube (4) above the mounting strap, tighten against mounting strap to lock assembly in position.
7. Remount mounting strap to junction box.

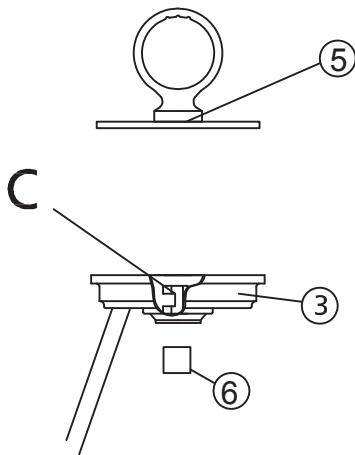
3

1. Taking the chain, determine the length you require to hang the fixture.
2. Attach one end of the chain to the top loop of the fixture.
3. Now slip loop collar (6) and canopy (B) onto chain - see **DRAWING 2**.
4. Attach other end of chain to loop (5). Get assistance for this step since fixture may be heavy and difficult to hold while attaching the chain.

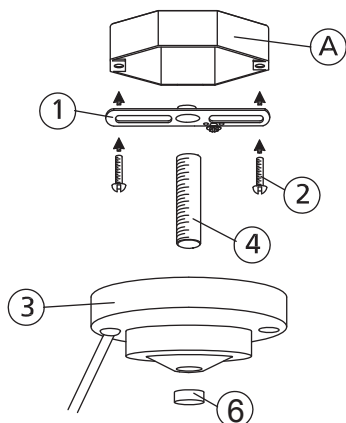
4

1. Unwrap supply wire and ground wire and weave them up through the chain.
2. Slip supply wire and ground wire through center of loop (5).
3. Connect ground wire to mounting strap (1) using green ground screw (GS).
4. Make electrical connections from supply wire to fixture lead wires. Refer to instruction sheet (I.S. 18) and follow all instructions to make all necessary wiring connections.
5. Slip canopy up firmly against the ceiling and secure by turning the threaded collar (6) on loop (5) until tight.

Drawing 1 - ceiling mounting



Drawing 2 - ceiling mounting



## ▼ start here

1

1. Find a clear area in which you can work.
2. Unpack fixture and glass from carton.
3. Carefully review instructions prior to assembly.

\*\*\* The sheet explains how to ceiling mount the 4505 and 4508 fixtures.

**SAFETY WARNING: READ WIRING AND GROUNDING INSTRUCTIONS (I.S. 18) AND ANY ADDITIONAL DIRECTIONS. TURN POWER SUPPLY OFF DURING INSTALLATION. IF NEW WIRING IS REQUIRED, CONSULT A QUALIFIED ELECTRICIAN OR LOCAL AUTHORITIES FOR CODE REQUIREMENTS.**

2

Make electrical connections from supply wire to fixture lead wires. Refer to instruction sheet (I.S. 18) and follow all instructions to make all necessary wiring connections. Then refer back to this sheet to continue installation of this fixture.

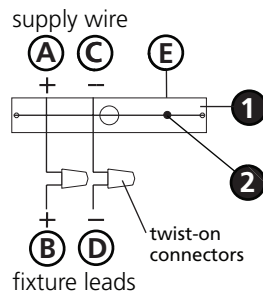
3

1. When mounting fixture to ceiling stem are attached in same manner as if fixture is chain hung. However, it is necessary to remove coupler (C) from secondary canopy (3) and knob (6). set knob (6) aside for later use in mounting the fixture to the ceiling - see Drawing 1.
2. Loop and plate assembly (5) is not used when mounting to ceiling.

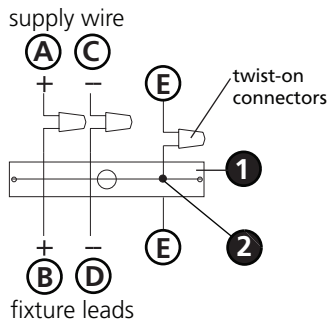
4

1. To ceiling mount fixture, first attach mounting strap (1) to junction box (J), using two 8-32 screws not provided see Drawing 2.
2. Next thread center tube (4) into mounting strap (A) approximately 1/2".
3. Next with assistance hold frame of fixture up and make all necessary electrical connections following instructions sheet (IS18) provided.
4. Now slip center hole of secondary canopy (3) over threaded center tube (4) and tuck wires into junction box.
5. Slip canopy (3) and fixture frame up to ceiling and thread knob (6) onto end of threaded center tube (4) and tighten to secure fixture to ceiling.

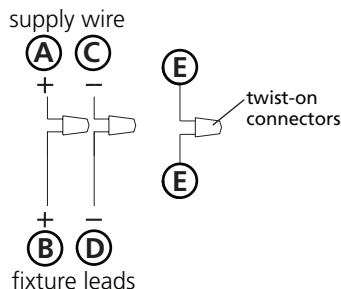
**Drawing 1 - Flush Mount**



**Drawing 2 - Chain Hung**



**Drawing 3 - Post-Mount**



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## wiring instructions

### Indoor Fixtures

1. Connect positive supply wire **(A)** (typically black or the smooth, unmarked side of the two-conductor cord) to positive fixture lead **(B)** with appropriately sized twist on connector - see **Drawings 1 or 2**.
2. Connect negative supply wire **(C)** (typically white or the ribbed, marked side of the two-conductor cord) to negative fixture lead **(D)**.
3. Please refer to the **grounding instructions** below to complete all electrical connections.

### Outdoor Fixtures

1. Connect positive supply wire **(A)** (typically black or the smooth unmarked side of the two-conductor cord) to positive fixture lead **(B)** with appropriately sized twist on connector - see **Drawings 2 or 3**.
2. Connect negative supply wire **(C)** (typically white or the ribbed, marked side of the two-conductor cord) to negative fixture lead **(D)**.
3. Cover open end of connectors with silicone sealant to form a watertight seal.
  - If installing a wall mount fixture, use caulk to seal gaps between the fixture mounting plate (backplate) and the wall. This will help prevent water from entering the outlet box. If the wall surface is lap siding, use caulk and a fixture mounting platform specially.
4. Please refer to the **grounding instructions** below to complete all electrical connections.

## grounding instructions

### Flush Mount Fixtures

For positive grounding in a 3-wire electrical system, fasten the fixture ground wire **(E)** (typically copper or green plastic coated) to the fixture mounting strap **(1)** with the ground screw **(2)** - see **Drawing 1**.

Note: On straps for screw supported fixtures, first install the two mounting screws in strap. Any remaining tapped hole may be used for the ground screw.

### Chain Hung Fixtures

Loop fixture ground wire **(E)** (typically copper or green plastic coated) under the head of the ground screw **(2)** on fixture mounting strap **(1)** and connect to the loose end of the fixture ground wire directly to the ground wire of the building system with appropriately sized twist-on connectors - see **Drawing 2**.

### Post-Mount Fixtures

Connect fixture ground wire **(E)** (typically copper or green plastic coated) to power supply ground with appropriately sized twist-on connector inside post. Cover open end of connector with silicone sealant to form a watertight seal - see **Drawing 3**.