mounting instructions for 5120

D

B A JUNCTION BOX

C

SUPPLY WIRES

FIXTURE WIRES
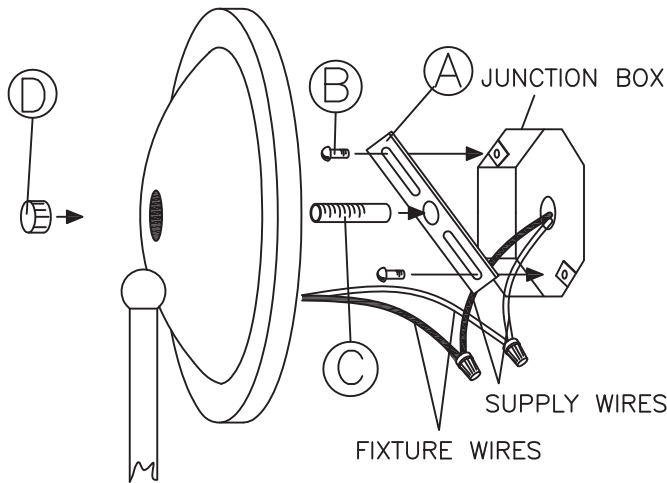
Mounting Instruction for a Center Lock-up Fixture

Note: Before proceeding with the installation, make sure the Electrical Power is turned Off to the junction box the fixture is to be mounted to.

Steps

1. Take gem strap (A) and mount to the junction box using the 2, 8-32 screws (B) provided with your junction box.

2. Make electrical connections from suppply wire to fixture wires following instruction provided below.

3. Thread Nipple (C) into gem strap (A).

4. Slip nipple (C) throught center hole in backplate and thread Knob (D) onto the end of nipple (C) to secure fixture to the wall.

Wiring & Grounding Instructions

SAFETY WARNING: Read wiring and grounding instructions and any additional installation directions. Turn power supply off during installation. if new wiring is required, consult a qualified electrician or local authority for code requirements.

WIRING INSTRUCTIONS (INDOOR FIXTURES): Connect positive supply wire (black or red) to positive fixture lead with appropriately sized twist-on connector. Connect negative (white) supply wire to negative fixture lead.

WIRING INSTRUCTIONS (OUTDOOR FIXTURES): Connect positive supply wire (black or red) to positive fixture lead with appropriately sized twist-on connector. Connect negative (white) supply wire to negative fixture lead.
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 designed for lap siding.

IDENITIFICATION OF FIXTURE LEADS:

POSITIVE: Black, or with woven plain cloth cover or smooth and unmarked side of two-conductor cord.

NEGATIVE: White, or with woven cloth cover with tracer, or with ribbed or printed side of two conductor cord.
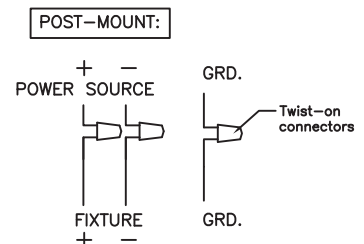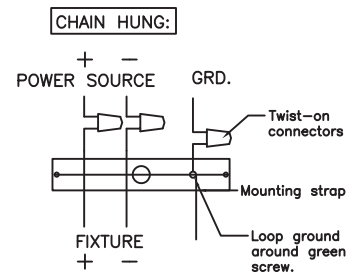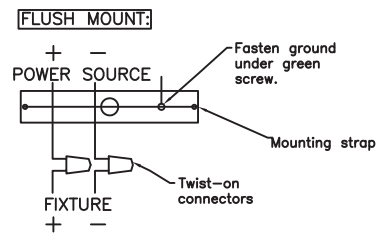
GROUNDING INSTRUCTIONS:

FOR FLUSH-MOUNT FIXTURES: For positive grounding in a 3-wire electrical system, fasten the system ground to the fixture mounting strap with the green ground screw. 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.

FOR CHAIN HUNG FIXTURES: Loop fixture ground wire under the head of the ground screw on mounting strap, and connect the loose end of the fixture ground wire directly to the ground wire of the building system, with appropriately sized twist-on connectors.

FOR POST - MOUNT FIXTURES: Connect fixture ground to power supply ground with appropriately sized twist-on connector inside post. Cover open end of connector with silicone sealant fo form a watertight seal.

WIRING DIAGRAMS:

FLUSH MOUNT:

+ −
POWER SOURCE

Fasten ground under green screw.

Mounting strap

FIXTURE
+ −

Twist-on connectors

CHAIN HUNG:

+ −
POWER SOURCE   GRD.

Twist-on connectors

Mounting strap

FIXTURE
+ −

Loop ground around green screw.

POST-MOUNT:

+ −
POWER SOURCE   GRD.

Twist-on connectors

FIXTURE
+ −   GRD.

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.

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**.

Drawing 1 - Flush Mount

supply wire
(A) (C) (E)
+ −
1
2
+ −
(B) (D)   twist-on connectors
fixture leads

Drawing 2 - Chain Hung

supply wire
(A) (C)
(E)   twist-on connectors
+ −
1
+ −
(B) (D) (E)   **2**
fixture leads

Drawing 3 - Post-Mount

supply wire
(A) (C)
(E)   twist-on connectors
+ −
(E)
+ −
(B) (D)
fixture leads