

CATALOG # : LCALD6 : 6" Surface Mount Lumen Cannon & Pendant

Important: Please read and understand all instructions completely before installing this fixture.

WARNING: Fixture installation (and use) and all electrical connections must be in accordance with local and National Electrical Codes (N.E.C.) rules, regulations and standards. If you are unfamiliar with installing fixture(s), accessories and/or electrical wiring have a qualified licensed electrician install this fixture for you. Fixture should be installed by a qualified electrician.

WARNING: RISK OF SHOCK. House electric current can cause painful shock or serious injury.

WARNING: Always disconnect power before fixture installation, wiring, or maintenance.

WARNING: Before starting the wire connections, disconnect the power by turning off the circuit breaker or removing the fuse at the fuse panel. Turning the power off using the light switch is not sufficient to prevent electrical shock.

This luminaire must be connected with supply wire/conductors rated at 90°C. Most dwellings built before 1985 have supply wire rated at 60°C; consult a qualified electrician before installing.

WARNING: Before service insure fixture is cool to touch.

WARNING: Check fixture for input voltage before connecting power to fixture.

SAVE THESE INSTRUCTIONS

Keep these instructions in a safe place for future use/reference.

WARNING: RISK OF SHOCK. This fixture is suitable for dry and damp locations. Also for use with covered ceiling mount.

WARNING: Do not install any fixture or assembly (etc.) closer than 6" from any curtain, or similar combustible material.

Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).

Install LED fixture(s)/LED driver(s) only on their own circuit. Do not mix any other products (Incandescent, Compact Fluorescent, H.I.D. products/fixtures, etc...) with LED fixture(s)/LED driver(s) on a single circuit.

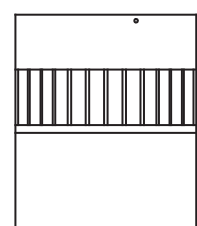
Do not use any other electrical equipment (example: surge protector photocell, etc.) that is not (rated) for use with LED fixture(s)/LED driver(s) on the same circuit as LED fixture(s)/LED driver(s).

Install remote surge protector(s) (by others, goes on the circuit with nothing between the surge protector and the LED fixture(s)/LED driver(s)), if the fixture is not already installed with a surge protector, to help remove power surges that may harm LED fixture(s), appropriate for the installation. Periodically check and make sure that your remote surge protector(s) are in good working order.

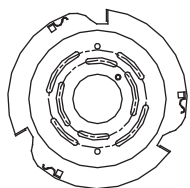
Components / Parts

Components Dimensions

Tools Required

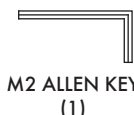


LCALD6 HOUSING (1)

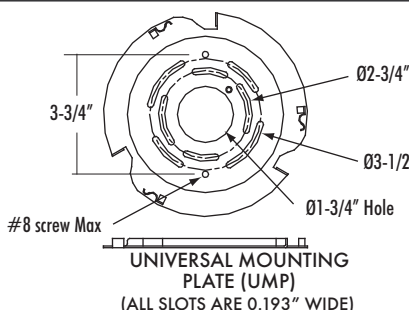


UNIVERSAL MOUNTING
PLATE (UMP)
(1)

M4 X 10MM LONG
SET SCREW (2)
(FOR M2 ALLEN KEY)



M2 ALLEN KEY
(1)



- Phillips Head Screwdriver
- M2 Allen Key (supplied)
- Wire Connectors
- Hardware (screws, nuts, etc.)
- DO NOT USE POWER TOOLS.

ONLY USE HAND TOOLS.

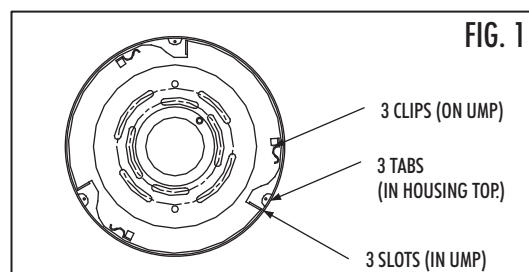


FIG. 1

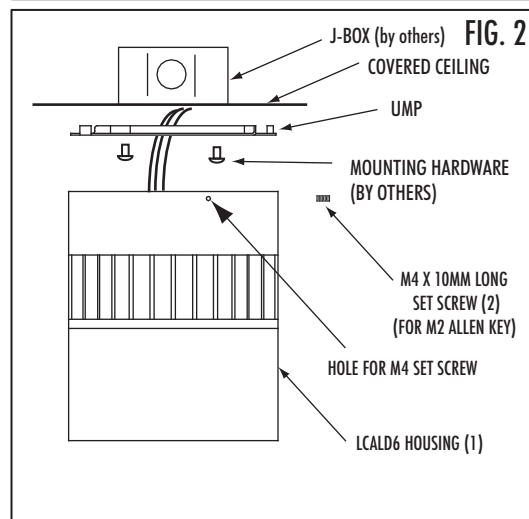


FIG. 2

FIXTURE INSTALLATION

1. Loosen set screw with supplied M2 allen key until front of set screw is just inside the housing (FIG 2).
2. Remove Universal Mounting Plate (UMP) from housing top (FIG 2).
3. UMP fits to all standard electrical junction boxes that have 2-3/4", 3-1/2" and 3-3/4" hole/screw spacing (see above dimensions), for example: 3-1/2" & 4" octagonal j-boxes. Other j-boxes may also fit UMP. Make sure j-box will fit slots or holes on UMP. Secure UMP to j-box (by others) with mounting hardware (by others).
4. Install wiring and j-box in ceiling, if needed.
5. Connect Universal Mounting Plate (UMP) to j-box (by others) with appropriate hardware (by others) (FIG 2).
6. Connect the power supply wiring (from j-box) to fixture wiring in j-box. See "Wiring" instructions below.
7. Align the 3 tabs in the top of the housing with the 3 slots in the UMP (FIG 1). Place fixture housing on ceiling and turn housing counter clockwise to secure housing tabs in clips.
8. Tighten set screw with supplied M2 allen key in housing until set screw is flush with outside of housing.

RELAMPING

Return fixture to Liton for servicing/replacing LED and LED drivers.

WIRING

NOTE: Check fixture for input voltage before connecting power to fixture. Connect wiring in j-box. For dimming information (wiring diagrams, chart, etc.) see LCALD6 website page.

1. Connect ground wire (green or bare copper/aluminum) from the supply circuit to the ground wire (green or bare copper) /screw/connector from the fixture.
2. Connect the neutral (common) wire from the power supply circuit to the neutral wire from the fixture.
3. Connect the main voltage supply wire (line/lead) from the power supply to the line (lead) wire from the fixture.
4. Secure connection using UL Listed wire nuts/connectors and then with UL Listed Electrical tape (by others), as required, appropriate for the connection.

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CATALOG # : LCALD6" SURFACE MOUNT LUMEN CANNON with LPCM

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WARNING: Do not install any fixture or assembly (etc.) closer than 6" from any curtain, or similar combustible material.

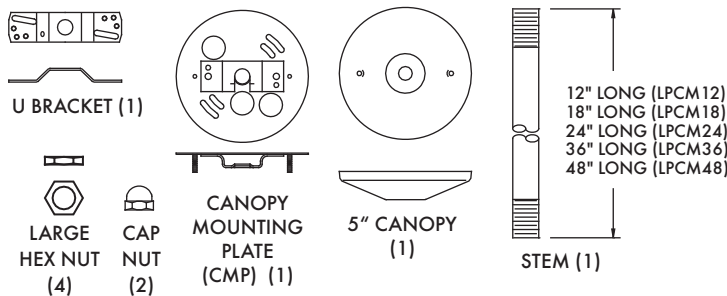
Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).

Install LED fixture(s)/LED driver(s) only on their own circuit. Do not mix any other products (Incandescent, Compact Fluorescent, H.I.D. products/fixtures, etc...) with LED fixture(s)/LED driver(s) on a single circuit.

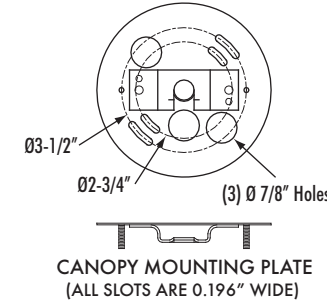
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Components / Parts (LPCM only)

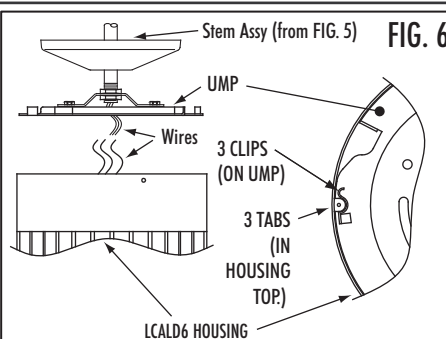
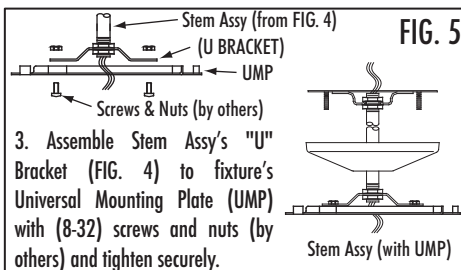
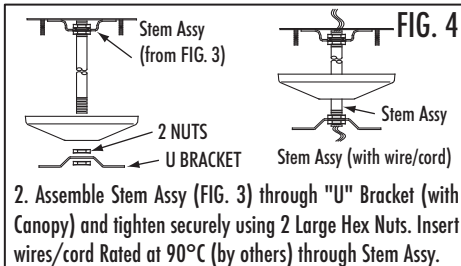
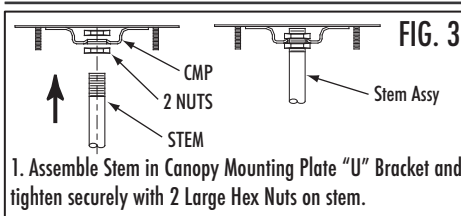


Components Dimensions



Tools Required

- Phillips Head Screwdriver
- Crescent/Adjustable Wrench(s)
- Wire Connectors/Cord (Rated at 90°C minimum temperature)
- Hardware (screws, nuts, etc.)
- DO NOT USE POWER TOOLS.
- ONLY USE HAND TOOLS.

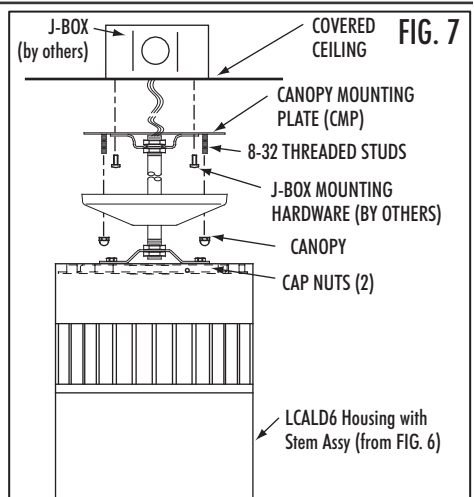


WARNING: Check fixture for input voltage before connecting fixture wires to wires in the stem.

4. Connect wire/conductors in the stem assembly to the fixture wires (ground wire green or bare copper to the stem to the neutral wire from the fixture and the line/lead wire in the stem to the line (lead) wire from the fixture).

5. Secure connection using UL Listed wire nuts/connectors and then with UL Listed Electrical tape rated at 90°C (by others, as required), appropriate for the connection.

6. Secure UMP in LCALD6 Housing by putting the three (3) Tabs in the top of the LCALD6 Housing securely in the UMP Clips. Make sure the top of UMP is at the top of the LCALD6 fixture (see FIG. 7).



WARNING: Check fixture for input voltage before connecting power to fixture. Connect wiring in j-box.

7. Connect the power supply wiring (from j-box) to fixture wiring in j-box. See "Wiring" instructions page 1.

8. Secure CMP (on Stem Assy with LCALD6 Housing) to Covered Ceiling J-BOX (by others) using J-BOX hardware.

9. Put Canopy up through 8-32 threaded studs in Canopy Mounting Plate (CMP) and secure tightly with supplied two (2) Cap Nuts.

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CATALOG # : LCALD6" SURFACE MOUNT LUMEN CANNON with LPCMJ

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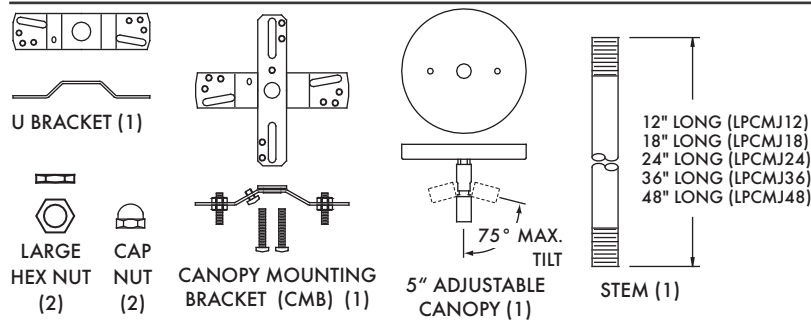
Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).

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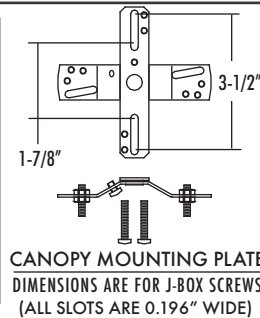
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Install remote surge protector(s) (by others, goes on the circuit with nothing between the surge protector and the LED fixture(s)/LED driver(s)), if the fixture is not already installed with a surge protector, to help remove power surges that may harm LED fixture(s), appropriate for the installation. Periodically check and make sure that your remote surge protector(s) are in good working order.

Components / Parts (LPCMJ only)

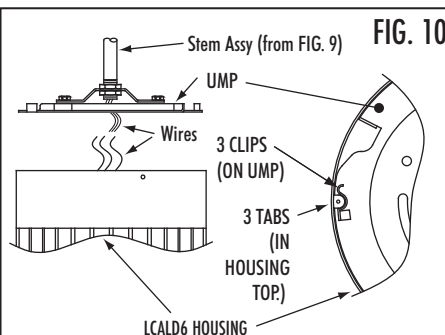
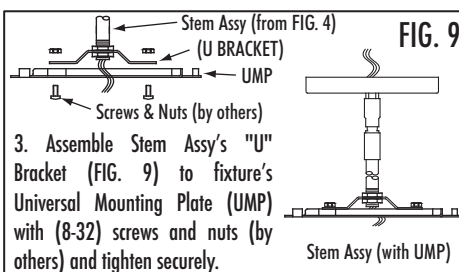
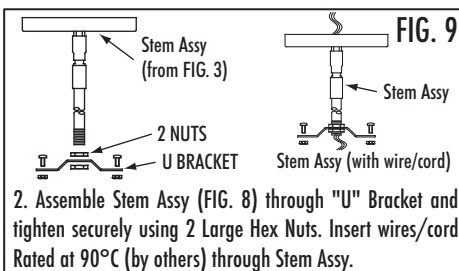
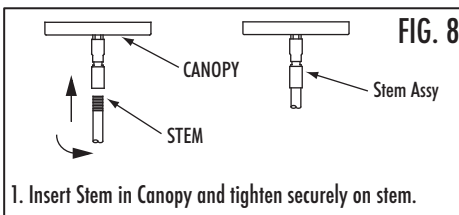


Components Dimensions



Tools Required

- Phillips Head Screwdriver
- Wire Connectors/Cord (Rated at 90°C minimum temperature)
- Hardware (screws, nuts, etc.)
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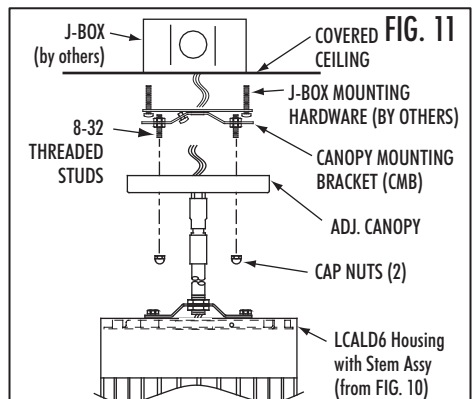


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4. Connect wire/conductors in the stem assembly to the fixture wires (ground wire green or bare copper to screw/connector from the fixture, neutral (common) wire in the stem to the neutral wire from the fixture and the line/lead wire in the stem to the line (lead) wire from the fixture).

5. Secure connection using UL Listed wire nuts/connectors and then with UL Listed Electrical tape rated at 90°C (by others, as required), appropriate for the connection.

6. Secure UMP in LCALD6 Housing by putting the three (3) Tabs in the top of the LCALD6 Housing securely in the UMP Clips. Make sure the top of UMP is at the top of the LCALD6 fixture (see FIG. 11).



WARNING: Check fixture for input voltage before connecting power to fixture. Connect wiring in j-box.

7. Connect the power supply wiring (from j-box) to fixture wiring (in Stem Assy) in j-box. See "Wiring" instructions page 1.

8. Secure Canopy Mounting Bracket (CMB) to Covered Ceiling J-BOX (by others) using J-BOX hardware (by others).

9. Secure Stem Assy (with LCALD6 Housing) to Canopy Mounting Bracket (CMB) by putting Canopy up through 8-32 threaded studs in Canopy Mounting Bracket (CMB) and secure tightly with supplied two (2) Cap Nuts. Hang fixture straight down. B-box can be on a ceiling sloped/tilted to 75° maximum.

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CATALOG #: LCALD6" SURFACE MOUNT LUMEN CANNON

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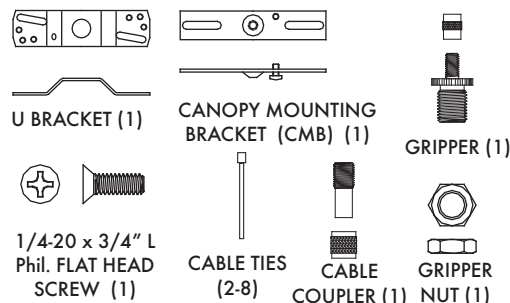
Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).

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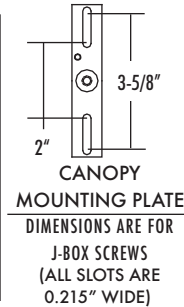
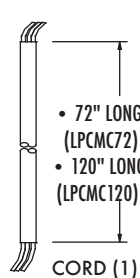
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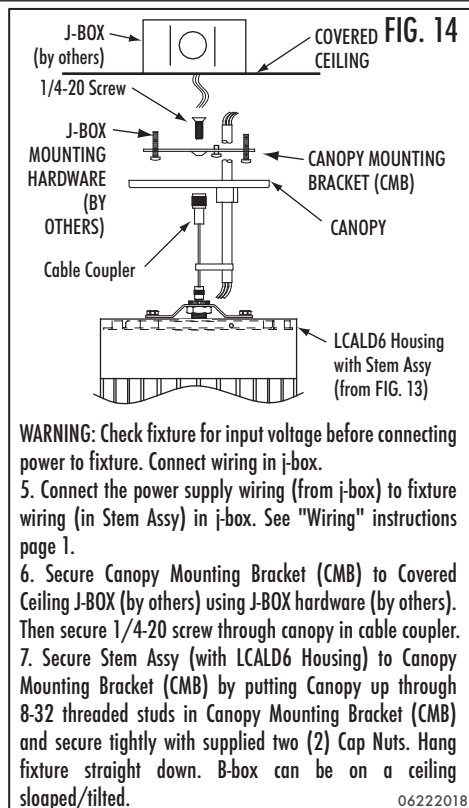
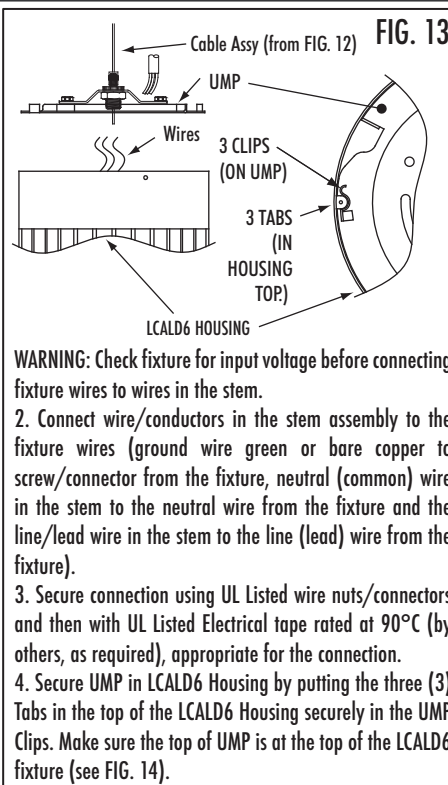
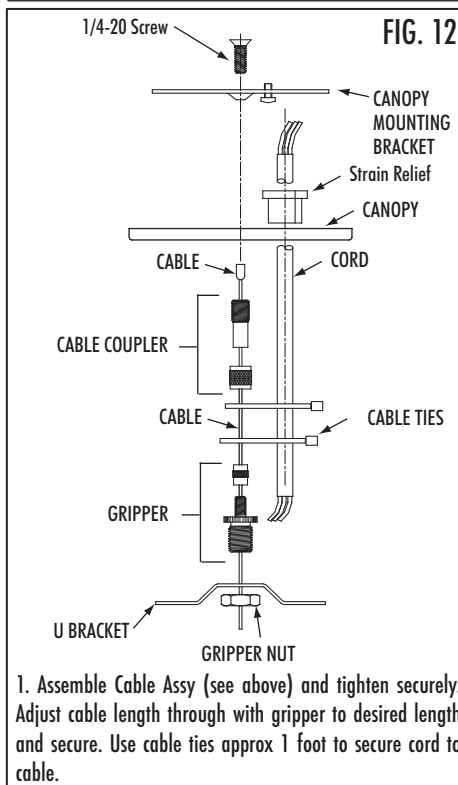
Components / Parts (LPCMC only)



Components Dimensions Tools Required



- Phillips Head Screwdriver
- Hardware (screws, nuts, etc.)
- DO NOT USE POWER TOOLS.
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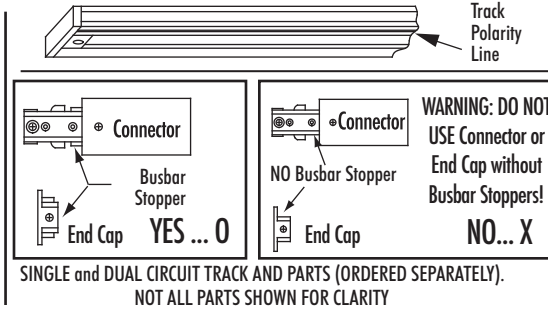
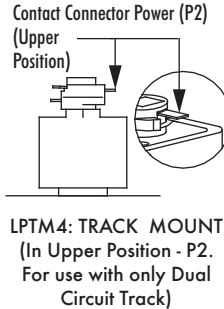
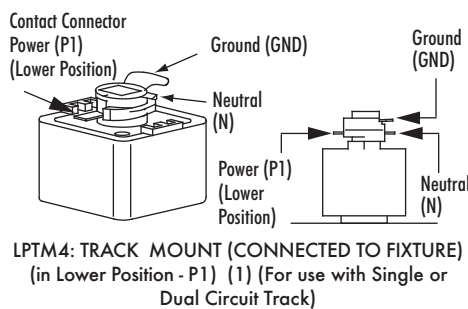
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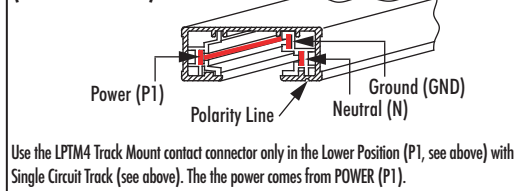
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Components/Parts LPTM4 Track Mount w/ Single Circuit (1 CCT) or Dual Track (2 CCT) only Tools Required

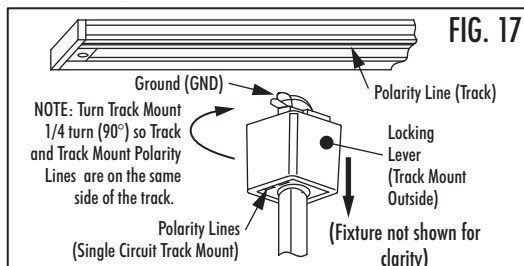
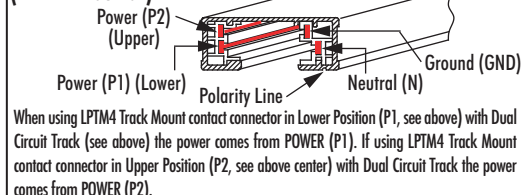


- No tools required.
- For single and dual circuit track parts installation see Track Installation instructions.

SINGLE CIRCUIT TRACK (1 CCT TRACK CHANNEL) FIG. 15 (with 1 Neutral)



DUAL CIRCUIT TRACK (2 CCT TRACK CHANNEL) FIG. 16 (with 1 Neutral)



FIXTURE INSTALLATION

WARNING: Use only Liton Track parts (see above and FIG. 15 and 16) with LPTM4 Track Mount (connected to fixture). Do not use Liton Track LPTM4 Track Mount with any other manufacturers track (system, parts, etc.).

WARNING: To avoid the potential risk of fire and shorting, you should not under any circumstances use the connectors and end cap without Busbar Stoppers! (see FIG. 15).

WARNING: Always disconnect power before fixture installation, wiring, or maintenance.

1. Install Liton's Track as per Track Installation Instructions.
2. Note which Liton track type is installed, Single Circuit Track (see FIG. 15) or Dual Circuit Track (see FIG. 16).

CAUTION: Before Installing Track Head in track, make sure power contact conductor is in the right position!

3. When using Single Circuit Track (see FIG. 15 left) make sure the Track Mount "Power" contact connector location is in the Lower Position - P1 (see above left). When using Dual Circuit Track (see FIG. 16 left) make sure the Track Mount "Power" contact connector location is either in the Lower position - P1 (see above left) for the Track P1 lower circuit (see FIG. 15) or in the Upper position - P2 (see above) for the Track P2 upper circuit (see FIG. 16). As needed push up or down on the Track Mount "Power" contact connector to put connector in the P1 or P2 position. For the Dual Circuit Track each circuit is rated for 2400 Watts and will allow you to control two individual sets of fixtures.
4. Locate Polarity line on the Track and Track Mount. The Track Mount Polarity Lines are on the same side as the Ground connector tab (see FIG. 17).
5. Pull down on the locking lever and insert the Adapter Contacts in the track slot (see FIG. 17). Insert LPTM Track Mount in Liton Single or Dual Circuit Track.
6. Rotate adapter one quarter (1/4) turn (90 degrees) so that the Track Mount Polarity Lines are on the same side of the track as the Track polarity line (see FIG.17) and locking lever locks back in place. Do NOT rotate Track Mount Polarity Lines onto the opposite side of the track. Make sure track lock in place.
7. To remove fixture pull down on the locking lever and rotate 1/4 turn (90 degrees).

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