

INSTALLATION INSTRUCTIONS for DL340 series fixture READ AND UNDERSTAND ALL INSTALLATION INSTRUCTIONS BEFORE INSTALLING FIXTURE! SAVE THESE INSTRUCTIONS

• **Danger:** Always disconnect power before wiring, or maintenance. Fixture must be installed by a qualified electrician. Do not install in locations where water collects and/or stands for prolonged periods of time. Fixture must always be installed according to local and national electrical codes (N.E.C.) , rules & regulations and standards. Fixture must be installed on a circuit protected by Ground Fault Circuit Interrupter (GFCI).

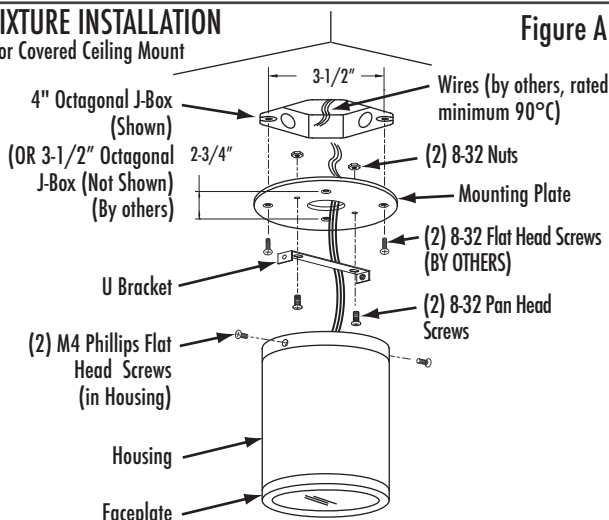
• **Warning:** The joint MUST be sealed between the mounting surface (e.g., wall, ground, ceiling, etc.) and the fixture with an appropriate sealing / caulking compound to provide a watertight seal. Seal all conduit opening(s) and opening(s) from water entry. Before service ensure fixture is cool to touch. Always ensure that all gaskets and sealing surfaces are free of dirt and debris.

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.

LED fixture(s), LED driver(s) and LED electrical components are more precise electrically than standard non LED products (e.g. Incandescent, Compact Fluorescent, H.I.D., etc.). Please follow the following guidelines /requirements when installing LED fixture(s)/LED driver(s).

1. Install LED fixture(s) and/or LED driver(s) only on their own circuit. Do not mix any other non LED products/fixtures (e.g., Incandescent, Compact Fluorescent, H.I.D., etc.) with LED fixture(s)/LED driver(s) on a single circuit.
2. Do not use any other electrical equipment (e.g., surge protectors, photocells, 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).
3. Use GFCI's (by others) on each circuit (per installation instructions) appropriate for the installation.
4. 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.

FIGURE A Fixture Installation For Covered Ceiling Mount



DL340 Top View with Mounting Plate holes with 4" Octagonal j-box orientation.

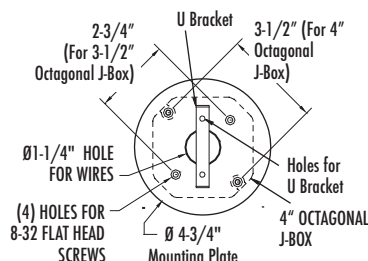
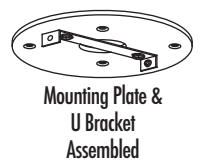


Figure C



Required Tools:
#2 Phillips Head Screwdriver

Tightening reflector (WFL only)

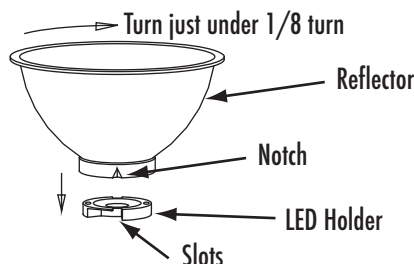
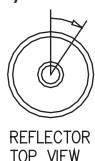


Figure B

Turn just under
1/8 turn



Fixture Installation: (For Covered Ceiling Mount)

NOTE: DL340 and DL340J with UE-DUN dimming has the LED driver outside the fixture, the LED driver installs only in a 4" octagonal j-box. All other DL340 and DL340J without dimming and with all other dimming options has the LED driver inside the fixture and installs on a 3-1/2" or 4" octagonal j-box.

1. Make sure supply wiring is in place before mounting fixture.
2. Mounting Plate installs directly to a 4" or 3-1/2" octagonal j-box. Make sure that mounting surface and/or j-box (etc.) can support fixture before installing fixture on mounting surface.
3. Remove U Bracket from Housing by removing (2) M4 Phillips Flat Head Screws in Housing Top (FIGURE A).
4. Assemble Mounting Plate and U Bracket (FIGURE A) with supplied (2) 8-32 Pan Head Phillips Screws and (2) 8-32 nuts (FIGURE A & FIGURE C).
5. Connect the fixture wiring through the assembled Mounting Plate and U Bracket to the supply wiring (rated minimum 90°C) in the j-box. See "Wiring" instructions below.
6. Use existing holes in the Mounting Plate and mount assembled Mounting Plate to a 4" or 3-1/2" octagonal j-box (by others) with (2) 8-32 Flat Head screws (by others, FIGURE A) and tighten securely. If drilling new holes in Mounting Plate to mount Mounting Plate directly to a mounting surface (or to a different j-box, FIGURE A) make sure hardware (by others) does not interfere with anything in the top of the Housing and Mounting Plate sits flat on the top of the Housing when secured to Housing by (2) screws. Cover newly exposed metal on the Mounting Plate with an outdoor paint to protect it from the elements (appropriate for the application).
7. Mount Housing securely on Mounting Plate and secure with two (2) M4 flat head screws in Housing and tighten securely with screwdriver.
8. Seal all holes/openings from water entry to junction box, wires, and/or fixture (e.g., Mounting surface to Mounting Plate and Mounting Plate to Housing, etc.).

Wiring:

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

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 luminaire.
2. Connect the neutral (common) wire from the power supply to the neutral wire from the luminaire.
3. Connect the main voltage supply wire (line/lead) from the power supply to the line (lead) wire from the luminaire.
4. Secure connection using UL Listed wire nuts/connectors and then with UL Listed Electrical tape (by others), as required, appropriate for the connection.
5. For Dimming wiring see Liton web site.

Tightening reflector (Wide Flood reflector only) (FIGURE B):

1. If reflector is loose in fixture remove faceplate from fixture by unscrewing faceplate.
2. Make sure reflector is sitting flat on LED holder. If reflector is off LED holder align notch on reflector to slot on LED Holder and gently press reflector on LED holder.
3. Turn reflector gently to the right (just under 1/8 turn) on LED holder until reflector is snug. Do not over tighten.
4. Replace faceplate by screwing back faceplate on fixture. Screw Faceplate on fixture completely to prevent water entry.

CATALOG # : DL340 , DL340 (-JB) Integral Junction box KEEP AND PROVIDE THESE INSTRUCTIONS FOR SERVICING AND MAINTENANCE

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• **Warning:** For "Covered Ceiling Mount": When the integral Junction box 1/2 NPSM female threaded conduit/conduit entries are NOT sealed from water entry. For "Wet Location": The joint MUST be sealed between the mounting surface and the fixture with an appropriate sealing / caulking compound to provide a watertight seal. Seal all conduit opening(s) and opening(s) from water entry. Before service ensure fixture is cool to touch. Always ensure that all gaskets and sealing surfaces are free of dirt and debris.

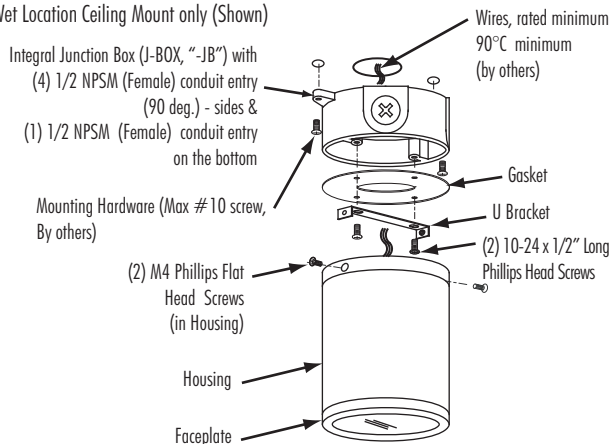
This luminaire must be connected with supply wire/conductors rated at 90°C. Most dwellings built before 1985 have supply wire rated at 60°C; consult a qualified electrician before installing.

LED fixture(s), LED driver(s) and LED electrical components are more precise electrically than standard non LED products (e.g. Incandescent, Compact Fluorescent, H.I.D., etc.). Please follow the following guidelines /requirements when installing LED fixture(s)/LED driver(s).

1. Install LED fixture(s) and/or LED driver(s) only on their own circuit. Do not mix any other non LED products/fixtures (e.g., Incandescent, Compact Fluorescent, H.I.D., etc.) with LED fixture(s)/LED driver(s) on a single circuit.
2. Do not use any other electrical equipment (e.g., surge protectors, photocells, 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).
3. Use GFCI's (by others) on each circuit (per installation instructions) appropriate for the installation.
4. 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.

FIGURE A FIXTURE INSTALLATION

-JB: Integral Junction Box is suitable for Wet Location Ceiling Mount only (Shown)



DL340 Top View -JB: Integral Junction Box

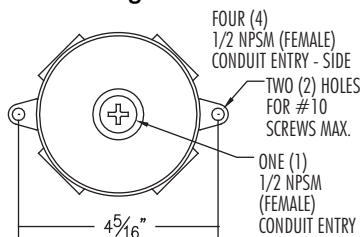
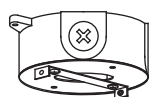


FIGURE C



Assembled: Integral J-box & U Bracket and Gasket

Required Tools:
#2 Phillips Head Screwdriver

Fixture Installation:

NOTE: The DL340 with the integral Junction Box (-JB, FIG A) can be installed only for "Ceiling Mount Only!", for "Wet Location" and "Covered Ceiling Mount", and for "Wet Location" (not for Covered Ceiling Mount). See item 8a, 8b and 8c below for specific installation.

1. Make sure supply wiring is in place before mounting fixture and or conduit entry (wet location, covered ceiling mount only), and Wet Location (not for Covered Ceiling mount).
2. Integral junction box installs directly to ceiling (or similar). Make sure that mounting surface can support fixture before installing fixture on mounting surface.
3. Remove assembled integral junction box (J-BOX) (FIG C) from Housing by removing (2) M4 Phillips Flat Head Screws in Housing Top (FIG A) and remove U Bracket and Gasket from J-BOX (FIG A) with the 10-24 screws.
4. Connect the fixture wiring in J-BOX through Gasket and U Bracket to the supply wiring (rated minimum 90°C) in the j-box. See "Wiring" instructions below.
5. Assemble J-BOX, Gasket (if supplied with fixture) and U Bracket (FIG A) with supplied (2) 10-24 Pan Head Phillips Screws (FIG A & FIG C).
6. Use existing holes in the outside of the J-BOX and secure to Ceiling (or similar surface) with #10 screws (maximum) appropriate for the mounting surface and tighten securely.
7. Mount Housing securely on U Bracket on assembled J-BOX and secure with two (2) M4 flat head screws in Housing and tighten securely with screwdriver.
- 8a) For "Covered Ceiling Mount Only" (Not for Wet Location): When the integral Junction box 1/2 NPSM female threaded conduit/conduit entries are NOT sealed from water entry.

8b) For "Wet Location" and "Covered Ceiling Mount Only": The joint MUST be sealed between the mounting surface and the fixture with an appropriate sealing / caulking compound to provide a watertight seal. Seal all conduit opening(s) and opening(s) from water entry. Before service ensure fixture is cool to touch. Always ensure that all gaskets and sealing surfaces are free of dirt and debris.

8c) For "Wet Location" (not for Covered Ceiling Mount Only), open to water from above :
KEEP AND PROVIDE THESE INSTRUCTIONS FOR SERVICING AND MAINTENANCE

When using the supplied junction box (-JB), see right (FIG. A, B, C) use of any 1/2" NPSM conduit openings (4 on the side or 1 on top) can be used. During and after installation (and after servicing) seal all junction box (-JB) 1/2" NPSM conduit opening(s) and between (and outside) the junction box (-JB), gasket (if supplied with the fixture), and the top of the fixture with RTV silicone to prevent water entry and to provide a watertight seal. Periodically check the RTV silicone on the fixtures to make sure that it is sealing out water and if not reapply to prevent water entry into the fixture. The joints MUST be sealed between the mounting surface and the fixture with an appropriate sealing / caulking compound to provide a watertight seal. Seal all opening(s) from water entry. Before service ensure fixture is cool to touch. Always ensure that all gaskets and sealing surfaces are free of dirt and debris.

Wiring:

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

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 luminaire.
2. Connect the neutral (common) wire from the power supply to the neutral wire from the luminaire.
3. Connect the main voltage supply wire (line/lead) from the power supply to the line (lead) wire from the luminaire.
4. Secure connection using UL Listed wire nuts/connectors and then with UL Listed Electrical tape (by others), as required, appropriate for the connection.
5. For Dimming wiring see Liton web site.

Tightening reflector (Wide Flood reflector only) (FIG B):

1. If reflector is loose in fixture remove faceplate from fixture by unscrewing faceplate.
2. Make sure reflector is sitting flat on LED holder. If reflector is off LED holder align notch on reflector to slot on LED Holder and gently press reflector on LED holder.
3. Turn reflector gently to the right (just under 1/8 turn) on LED holder until reflector is snug. Do not over tighten.
4. Replace faceplate by screwing back faceplate on fixture. Screw Faceplate on fixture completely to prevent water entry.

Tightening reflector (WFL only)

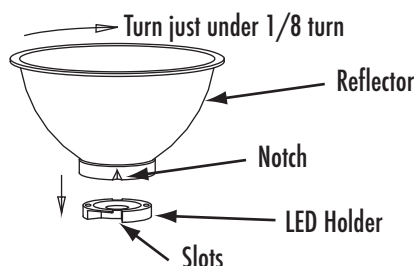
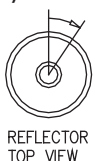


FIGURE B

Turn just under 1/8 turn



Indoor Installation for Covered Ceiling Mount only (Dry or Damp Location)

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.

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

WARNING: RISK OF SHOCK. This fixture is suitable for dry and damp locations. For covered ceiling mount only.

LED fixture(s), LED driver(s) and LED electrical components are more precise electrically than standard non LED products (e.g. Incandescent, Compact Fluorescent, H.I.D., etc.). Please follow the following guidelines /requirements when installing LED fixture(s)/LED driver(s).

1. 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.

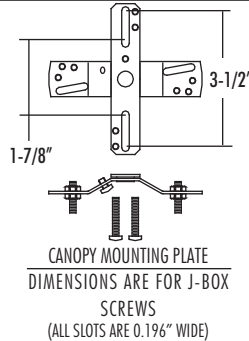
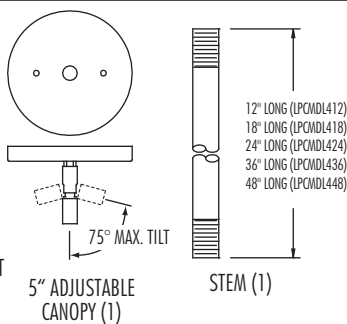
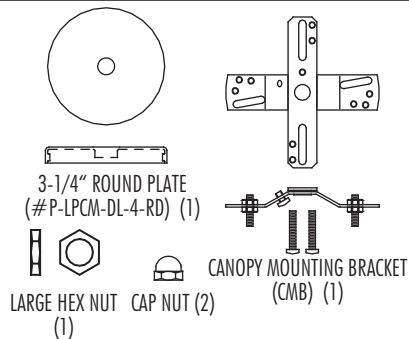
2. Do not use any other electrical equipment (example: surge protector photocell, etc.) that is not (rated) for use with LED fixture(s)/LED driver(s) on the same circuit as LED fixture(s)/LED driver(s).

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

4. 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 (LPCMDL4 only)

Components Dimensions Tools Required



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

