WARNING — RISK OF ELECTRIC SHOCK

Disconnect power at the circuit breaker and verify the circuit is de-energized before installing or servicing this luminaire. Lock out and tag the circuit.

Installation must be performed by a qualified electrician in accordance with the National Electrical Code (NEC), NFPA 70, and all applicable state and local codes.

Before installation, consult your local ordinances and building codes for compliance. LAMAR LED assumes no responsibility for misapplication of fixtures.

Do not install a damaged luminaire. Do not modify the housing, driver, LED board, or factory wiring — doing so voids the UL certification and the warranty.

1. Before You Begin

Confirm the following before opening the ceiling or pulling wire. The catalog number on the fixture label is the authority for what was supplied.

- Match the catalog number. Compare the label on the housing to the approved submittal — series, size, power, lens, CCT and options.
- Verify supply voltage. The standard driver is universal input 120–277V. Confirm branch-circuit voltage falls within this range.
- Inspect the shipment. Check the housing, lens, and trims for shipping damage. Report freight damage before installing.
- Confirm the mounting method matches the structure (see table below). Verify the fixture as supplied is configured for the mounting condition on site.
- Verify the supporting structure. Every suspension point must be anchored to building structure adequate for the fixture weight. Confirm the finished mounting height before hanging anything.
- Tools required. Power driver with the appropriate bit, wire strippers, listed wire connectors, tape measure, level, and an appropriate ladder or lift.

Mounting method	Typical application
Stem or Pendant Mounted	Stem-hung applications where a fixed drop is required
Chain Hung	Chain-suspended applications
Aircraft Cable Suspended	Cable-suspended applications
Surface Mounted to Ceiling	Direct ceiling mount on a finished or structural surface

Each method is detailed in Section 5. Confirm which configuration was supplied before starting — mounting styles are not interchangeable in the field.

Mounting options as published: Stem, chain, cable or surface mount. Actual overall lengths: 2′ nominal = 26.11 in. overall length with sensor, 4′ nominal = 49.58 in. overall length with sensor. Available in 2′, 4′ and 8′ lengths (nominal).

2. Prepare the Location

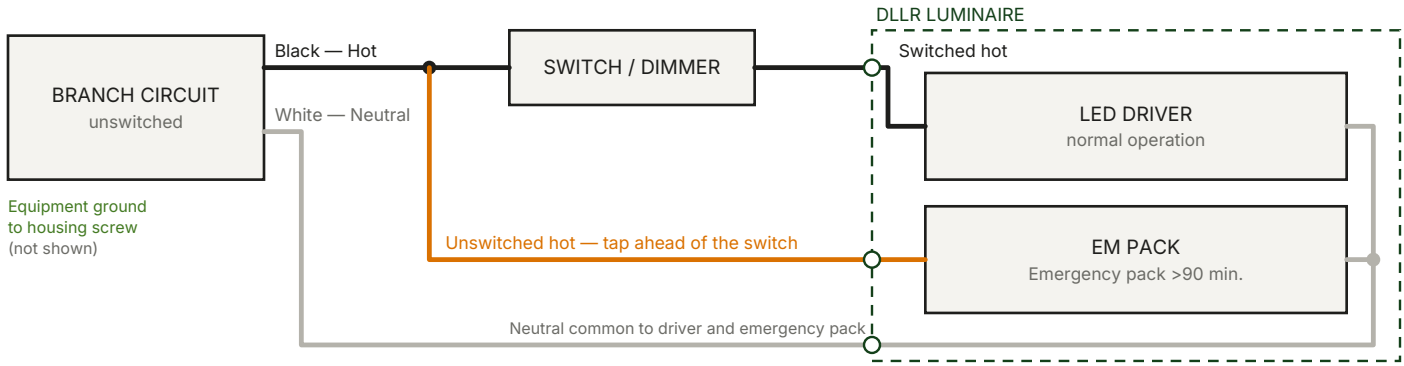
1. Lay out fixture locations from the reflected ceiling plan. Snap lines and confirm the run is square and level before cutting or drilling.
2. On surface-mounted runs, locate framing or install blocking so every fixture lands on structure. Mark mounting holes from the fixture itself rather than from the drawing.
3. For suspended runs, mark and verify every support point against building structure, and confirm the drop height clears doors, equipment, and traffic.
4. Route branch-circuit conductors to each fixture location, leaving 6–8 in. of free conductor. Support the whip or conduit independently of the luminaire.

3. Electrical Connection

1. Confirm power is off and locked out.
2. Open the fixture for access per its construction and retain all fasteners.
3. Select the entry closest to the incoming feed. .875 KO shown on dimension drawing.
4. Install a listed connector or fitting in the knockout and bring conductors into the wireway. Protect conductors from the knockout edge.
5. Connect line, neutral, and ground to the corresponding fixture leads using listed wire connectors. Bond the equipment ground to the housing ground screw.
6. Dress all conductors neatly inside the housing so nothing is pinched when the cover is reinstalled.

4. Wiring Diagrams

A. Emergency pack connection (options EM / EMH)



Schematic; field connections only. Circles mark housing knockouts, each of which needs a listed connector or fitting.

Wire color reference

Conductor	Color	Notes
Line / hot	Black	Branch circuit, 120–277V. Switched hot where a switch or dimmer is used.
Neutral	White	Grounded conductor. Reserved color — never use for control conductors.
Equipment ground	Green or green/yellow	Bond to the housing ground screw. Reserved color — never use for control conductors.
Unswitched hot (EM / EMH)	Per project drawings	Tap ahead of the switch and dimmer so the pack senses loss of normal power.

5. Mounting

5A. Stem or Pendant Mounted

1. Confirm the finished mounting height and the stem length required, and verify the drop clears equipment, doors, and traffic.
2. Locate structure at each stem point. Each support point must be anchored to building structure and adequate for the fixture weight.
3. Install the stems and canopies, then bring the branch circuit down through the stem or canopy as the assembly is designed for.
4. Hang the fixture, then level it along both axes. Sight the full run and adjust the stems until the run is level and consistent in height.
5. Confirm no conductor is under tension or bearing the fixture weight — the stems carry the load, not the wiring.

5B. Chain Hung

1. Confirm the finished mounting height and cut or select chain to give a consistent drop across the run.
2. Anchor each chain point to building structure with a listed hook or anchor adequate for the fixture weight. Do not anchor to the ceiling finish alone.
3. Hang the fixture from both suspension points before connecting any conductor.
4. Route the supply so the conductors are not supporting the fixture and are protected from abrasion where they leave the housing.
5. Level the fixture and sight the run for consistent height.

5C. Aircraft Cable Suspended

1. Confirm the finished mounting height and set the cable drops to a consistent length across the run.
2. Anchor each cable point to building structure with an anchor adequate for the fixture weight.
3. Suspend the fixture from all cable points, then adjust the grippers until the fixture is level along both axes.
4. Trim excess cable only after the run has been sighted and accepted.
5. Confirm the supply conductors are not carrying load and are protected where they enter the housing.

5D. Surface Mounted to Ceiling

1. Mark the fixture position and the mounting-hole locations from the reflected ceiling plan.
2. Locate structural framing, or install blocking or an approved anchor suited to the ceiling construction. The fixture must be supported by structure, not by the ceiling finish alone.
3. Bring the branch circuit into the housing through the knockout nearest the feed, using a listed connector or fitting.
4. Fasten the housing tight to the ceiling with fasteners appropriate to the substrate, then confirm it is level and does not rock.

6. Lens and Covers

1. Reinstall the wireway cover or access plate with the original fasteners. Confirm no conductor is pinched and the cover is fully seated.
2. Install or reseat the lens or diffuser as supplied. Handle acrylic and polycarbonate by the edges; do not force, flex sharply, or over-tighten against the lens.
3. Remove any protective film and clean fingerprints before closing out the ceiling.

7. Controls and Optional Equipment

Option	Installation requirement
EM — emergency pack	Emergency pack >90 min., >500 lumens. Connect the pack to an unswitched line-voltage source ahead of any switch or dimmer so it senses loss of normal power — see Diagram B. Allow a full 24-hour charge before testing.
Option	Installation requirement
EMH — emergency pack	Emergency pack >90 min., >1400 lumens (4/8ft only). Connect the pack to an unswitched line-voltage source ahead of any switch or dimmer so it senses loss of normal power — see Diagram B. Allow a full 24-hour charge before testing.
IR2C1 — sensor	Infrared sensor 2 circuit 100%/10% standby. Factory-set standby level. Confirm the setting matches the project requirements and walk-test the fixture before close-out. Change settings only by the method described in the sensor documentation supplied with the fixture.
IR2C2 — sensor	Infrared sensor 2 circuit 100%/25% standby. Factory-set standby level. Confirm the setting matches the project requirements and walk-test the fixture before close-out. Change settings only by the method described in the sensor documentation supplied with the fixture.

Option	Installation requirement
IR2C5 — sensor	Infrared sensor 2 circuit 100%/50% standby. Factory-set standby level. Confirm the setting matches the project requirements and walk-test the fixture before close-out. Change settings only by the method described in the sensor documentation supplied with the fixture.
IRFO — sensor	Infrared sensor on/off. Factory-set standby level. Confirm the setting matches the project requirements and walk-test the fixture before close-out. Change settings only by the method described in the sensor documentation supplied with the fixture.
AC	4FT Aircraft cable hanging kit w/pre-wired power drop (consult factory for other lengths). Factory-supplied configuration. Verify the fixture as supplied matches the approved submittal, and confirm nothing interferes with the lens, gasket, or lens retention on reassembly.

Universal voltage 120-277V standard. Custom driver tuning available for specific lumen requirements. Tuned fixtures are factory-set and must not be adjusted in the field. Contact the factory for options not shown.

8. Start-Up Check and Maintenance

- Restore power and confirm the fixture energizes at full output.
- Allow a full 24-hour charge, then test emergency units by interrupting normal power and confirming transfer to the emergency pack for the rated duration.
- Verify sensor coverage and walk-test each sensor. Confirm time delay and sensitivity settings match the project requirements, and that nothing obstructs the sensor.
- Sight the finished run for level, alignment, and consistent lens appearance; confirm color temperature is uniform across all fixtures.
- No routine relamping is required — the LED board and driver are the serviceable components. Disconnect power before any service.
- Clean the lens with a soft cloth and mild soapy water only. Do not use ammonia, solvents, or abrasive cleaners on acrylic or polycarbonate.
- Warranty: 5 years — part replacement only. See the terms and conditions page at www.lamarled.com for details. Listings and ratings as published: All electrical components are U.L. listed or recognized, U.L. Certified, Union made in the USA.

QUESTIONS OR APPLICATIONS NOT COVERED HERE

Contact LAMAR LED at 631.777.7700 or visit www.lamarled.com. Due to the rapid advancements in LED technology, please consult our website for the most current technical data.