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.
- Tools required. Power driver with the appropriate bit, wire strippers, listed wire connectors, tape measure, level, and an appropriate ladder or lift.

Mounting options as published: Surface mount. Actual overall lengths: 2′ nominal = 23.125 in, 4′ nominal = 46 in, 6′ nominal = 69 in, 8′ nominal = 92 in. Available in 2′, 3′, 4′, 6′ 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. Route branch-circuit conductors to each fixture location, leaving 6–8 in. of free conductor. Support the whip or conduit independently of the luminaire.

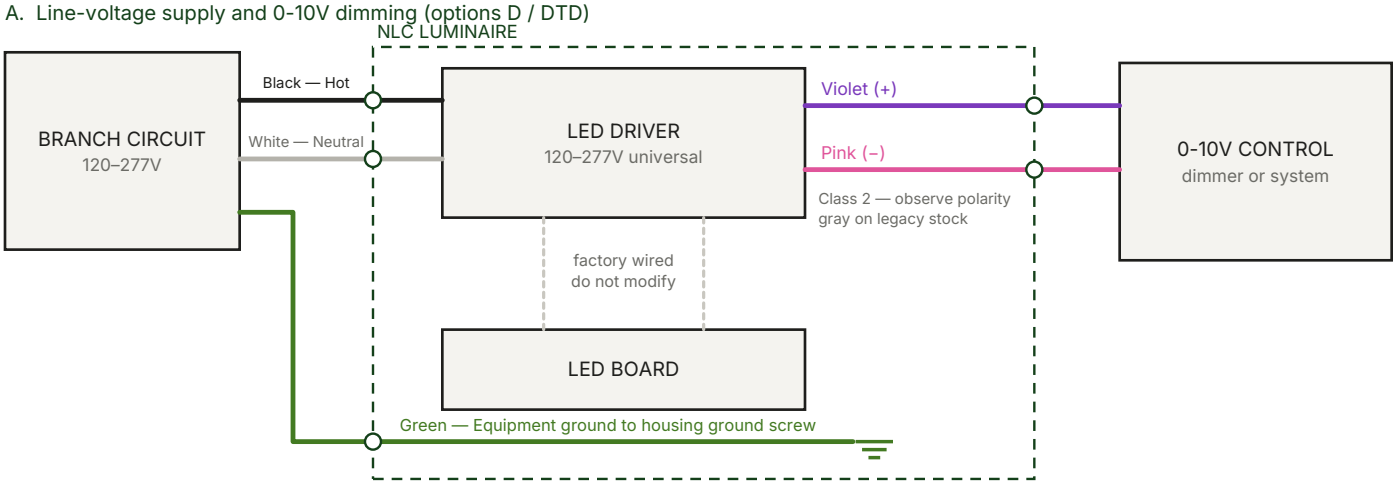
3. Electrical Connection

1. Confirm power is off and locked out.
2. Remove the wireway cover or access plate. Retain the fasteners.
3. Select the entry closest to the incoming feed. Use only the provided entries — do not drill the housing.
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. For control wiring, keep low-voltage dimming conductors separated from line-voltage conductors per NEC Class 1 / Class 2 requirements. See Sections 4 and 7.
7. Dress all conductors neatly inside the housing so nothing is pinched when the cover is reinstalled.

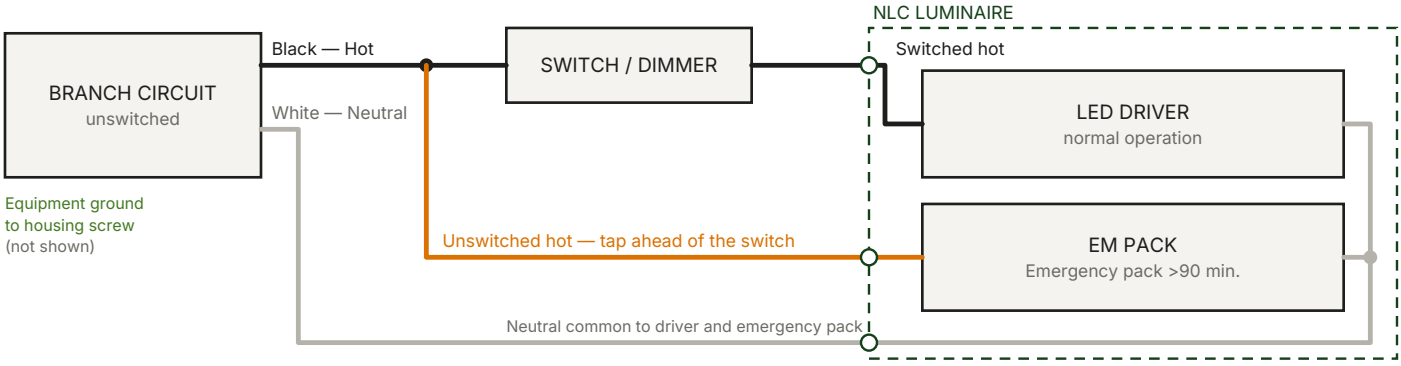
4. Wiring Diagrams

0-10V control conductor colors have changed. Effective January 1, 2022, NEC 2020 Article 410.69 prohibits colors reserved for the grounded conductor (white or gray) and the equipment grounding conductor (green) on field-connected control conductors.[1] NEMA Publication 100-2021 adopted pink in place of gray, making violet (+) and pink (–) the compliant 0-10V pair.[2] Legacy stock may still have a gray lead — see the wire color reference below.

A. Line-voltage supply and 0-10V dimming (options D / DTD)



B. Emergency pack connection (options EM)



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.
0-10V control (+)	Violet	Class 2 low voltage. Observe polarity.
0-10V control (–)	Pink gray on legacy stock	Pink replaces gray per NEMA Publication 100-2021.[2] Verify against the label on the driver supplied — legacy stock may still have a gray lead. A gray control lead must be re-identified with pink tape or paint where visible and accessible.[1]
Lutron EcoSystem digital link	Purple and purple/white (E1, E2)	Polarity-free. Confirm against the Lutron driver label and the controls submittal.[3]
Unswitched hot (EM)	Per project drawings	Tap ahead of the switch and dimmer so the pack senses loss of normal power.

1. Electrical Contractor Magazine, "Color Coding Changes: NEC 2020 impacts 0–10V control wiring" — ecmag.com
2. Inside Lighting, "No More Gray: Low Voltage Wiring Changes" — inside.lighting
3. Lutron, "LED Driver Installation Best Practices Guide" (041827) — assets.lutron.com

5. Mounting

5A. 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
D — 0-10V dimming DTD — 0-10V dimming	Land the violet (+) and pink (–) control leads on the 0-10V control circuit, observing polarity — see Diagram A. Verify the leads against the driver label: legacy stock may have a gray lead in place of pink, and gray must be re-identified with pink tape or paint. Do not connect control leads to line voltage.
Option	Installation requirement
LDH — Lutron EcoSystem dimming	Wire the EcoSystem digital link per the Lutron system drawings. The link is polarity-free but must be run as a Class 1 or Class 2 circuit per the controls submittal.
EM — emergency pack	Emergency pack >90 min., >500 lumens (2ft not available). 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.

Universal voltage 120-277V standard 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.
- Sweep the dimming control from 100% to minimum and back; confirm smooth, flicker-free response with no dropout across the run.
- 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.
- 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 terms & conditions at www.lamarled.com). Listings and ratings as published: All electrical components are U.L. listed or recognized, U.L. Certified, Union made in USA, Meets Buy America Act (BAA), BABA Compliant.

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.