

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.
- 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
Surface Mounted to Ceiling	Direct ceiling mount on a finished or structural surface
Wall Mounted	Direct wall mount

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: Mounting options are not published on the reference document held for this product. Surface mounting is assumed from the luminaire type — confirm the configuration supplied with the factory before installing. No size ordering codes printed. Photometric characteristics list luminous length/width 0.92 ft (diameter), luminous height 0.00 ft.

2. Components Supplied and Hardware Features

The hardware below is supplied with the castings. Confirm every item is present at receipt and retain all of it — the gaskets, clips, washers, and tamper-proof screws are part of the fixture's weather and tamper seal, and must be reinstalled on reassembly.

- Tamper-proof fasteners. Torx T-15 pin-in-head tamper-proof stainless steel screws are supplied with all castings. An optional tool for screw installation and removal is available.
- Extruded EPDM rubber lens gasket. Solid extruded and ribbed, to keep moisture, dirt, and insects from penetrating the interior of the completed fixture set. Supplied with all castings.
- EPDM foam rubber casting gasket. Die-cut foam gasket provides a barrier and seal against moisture, dirt, and insects penetrating the interior of the complete fixture set at the mounting surface. Supplied with adhesive applied to one side of the gasket for affixing positively to the casting. Supplied with all castings.
- Lens retaining clips and screws. When installed, mechanically attach the lens and outer guard as a single lens/outer guard unit, which eases installation and relamping procedures. Stainless steel; included with all castings.
- Nylon capture washers. When installed, keep the tamper-proof screws captured in the outer guard and lens assembly as that assembly is installed on and removed from the cast housing. Supplied with all castings.
- Weep holes. Allow rain and liquids contacting the face of the fixture to drain out from the front and reduce accumulation of dirt and moisture on the face of the installed fixture. Round guards have one weep hole; the oval open guard and oval cross guard have two, so a weep hole is usable in either a vertical or horizontal installed position. Do not plug, caulk, or paint over a weep hole.
- Level bar and "TOP" indicator. A small level bar aids installation of the casting to the mounting surface, so the fixture housing is secured level and the outer guard reads level as well. A "TOP" indicator shows installation personnel the proper orientation of the casting. These features are provided on round castings only.
- Junction box pattern. Allows the installer to temporarily secure and rotate the fixture housing to achieve a properly leveled and positioned installation. This pattern is in all castings.

- Wire strap details. Published as an HID-build feature of the shared casting: it allows wire strap-down ties for electrical wires passing along an axis of entry from a conduit line into the fixture housing, giving a neater installation with less loose wiring where the conduit entry points are used.
- Ribbed injection molded lens. 0.125 in. minimum thickness, internally ribbed injection molded polycarbonate. The polycarbonate resin is treated with UV inhibitors. The exterior of the lens is slightly textured to reduce the glare effect of the lit fixture.

Component features as published on the LAMAR LED product features reference held for the castings (GNL-BACKPLAN). These items are described as supplied with the castings and are not field-orderable options. Where the factory instruction sheet packed with the fixture differs from this sheet, the factory sheet governs.

3. 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.

4. 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. 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. Dress all conductors neatly inside the housing so nothing is pinched when the cover is reinstalled.

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.

5B. Wall Mounted

1. Establish the mounting height and a level line for the run. In continuous runs, strike one line across the full length so fixtures align end to end.
2. Locate studs or install blocking or an approved anchor suited to the wall construction. The fixture must be supported by structure, not by the wall 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 to the wall, then confirm it is level and tight with no gap at the wall surface.
5. Where the fixture is mounted within reach, confirm the location does not conflict with doors, equipment, or traffic.

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 reseal 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. Start-Up Check and Maintenance

- Restore power and confirm the fixture energizes at full output.
- 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 — parts replacement only. See the terms and conditions page at www.lamarled.com for details. Listings and ratings as published: U.L. Certified.

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.