

A.L.P. LexaLite® is North American Leader in Molded Light Guide Optics

A.L.P. has been at the forefront of edge-lit technology for more than three decades, with preeminent production resources, expertise, and mold inventory. A.L.P. edge-lit program now features a number of standard tools, a new 1650-ton molding machine, secondary laser cutting operations, and intellectual property to support this growing market need. A.L.P. is currently the only North American manufacturer capable of injection molding both 1'x4' and 2'x2' edgelit panels.

A.L.P. can quickly and inexpensively manufacture prototypes and low-volume production runs. For large production orders, A.L.P.'s expert tooling and engineering teams can develop high volume edge-lit tooling based on customers' exact specifications. A.L.P. also has in-house CAD modeling and photometry testing. A.L.P. also offers optical design support. Based on a customer's desired light output pattern, A.L.P. can design the light emitting structures in the panels to produce the light output pattern requested.

Edge-lit panels have gained increasing popularity for maximizing and retrofitting in-ceiling lighting. Flat edge-lit panels are very thin, offering the versatility of mounting on a variety of surfaces including walls and ceilings, as well as providing the option of cable suspension. They are often considered "shadowless" because they produce broad, even light.

Edgelit Capabilities:

- 1650-ton dedicated press
- Economical fast-track tooling with standard mold inserts
- Standard sizes include 48" x 12", 24" x 12", 24" x 8" and 24" x 24"
- Tooling experts who understand edge-lit technology
- Tools accommodate specifications for size, light source, light output pattern, thickness
- In-house photometry testing lab
- 3D CAD modeling capabilities
- ISO compliant manufacturing
- Adherence to Production Part Approval Process (PPAP) for all new products

Edge-lit Applications, Indoor Lighting:

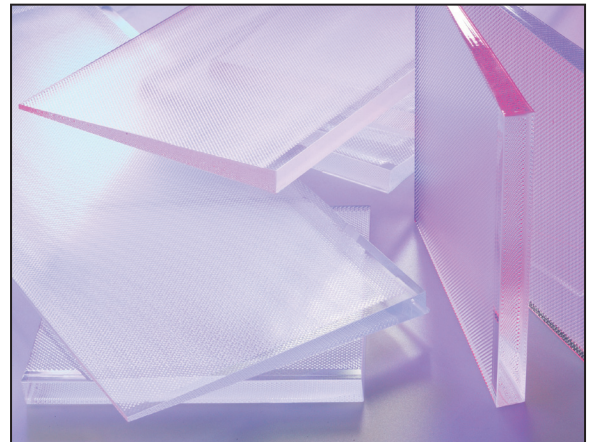
- Pendant
- Slot
- Wall Wash
- Blade
- Troffer Panel
- Downlighting

Edge-lit Applications, Outdoor Lighting:

- Garage
- Parking Area
- Roadway
- Pedestrian Post Top
- Landscape
- Wall Pack
- Bollards

Edge-lit Advantages:

- Produce uplight and downlight from the same optic
- Uniform light emission with minimal light source pixelation
- Light Guide efficiency in mid 80s or higher (depending on fixture)
- Light Distribution control
- Uniform visual appearance
- Glare-free visual comfort



A.L.P.®

Customer Service:

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