

A.L.P. Lighting Components Dickson, TN



A.L.P. LexaLite® is an industry leading provider of engineered thermoplastic injection molded components. Long recognized for designing and manufacturing the finest optical lighting components, A.L.P. LexaLite also serves markets such as Medical, Marine Signal, Automotive, Signage, Point of Purchase, Electronic Equipment, Appliance and Mass Transportation.

Known for its expertise in injection molding, product and tooling design, A.L.P. LexaLite offers diverse capabilities, all of which can be combined to meet your unique requirements to ensure maximum profitability. The A.L.P. LexaLite Dickson, TN facility is ISO 9001:2015 certified for the manufacture and assembly of plastic components.

Injection Molding

- Tonnage ranges from 88 to 1500 tons
- Shot size from 4 to 260 ounces
- Mold base sizes up to 60 inches
- Servo Robot Technology
- Centralized vacuum system and dedicated drying hoppers to maximize material purity

Quality materials

- UV resistant Acrylic
- UV enhanced Polycarbonate
- ABS
- PETG
- Polyetherimide

Structural Design Engineering

Product design and consulting services for a wide range of products, with expertise in new product development from design to final production

Tooling design and construction

Design, build and maintain high efficiency injection molds

Testing and Evaluation of Materials and Coating Systems

In-house lab tests the long-term effects of UV, heat and chemicals.

Metalizing

- Rapid Cycle Deposition System
- UV and thermal protective coatings
- UV and thermal cure base coats
- 1st and 2nd Surface Painting

Fastening and assembly

- Sonic welding
- Post molding assembly
- Liquid Pour Gasketing



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