



Your complete source for optical plastic solutions

Precision Custom Injection Molding

Lighting, Optical, LED, Consumer Electronics, Medical and Automotive

Quality Materials

Acrylic, Polycarbonate, Silicone, PP, PS, ABS, Nylon, PETG and Noryl

Tooling Center

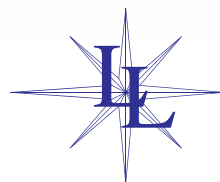
Fast Track Tool Building, Design and Construction

Engineering and Design Services

Optical, Structural, Rapid Prototyping, Photometry Testing and Evaluation

Secondary Operations

Metalizing, Specialty Coatings, Laser Cutting and Assembly



LEXALITE®

AN **A.L.P.** BRAND

World-Class Contract Plastics Manufacturing Services — from Concept to Design to Production



Manufacturing Facility - Charlevoix, MI

A.L.P. Lighting Components, Inc., is a leading global manufacturer of lighting components, offering a diverse line of products for OEMs and the aftermarket. Founded in 1972, A.L.P. has grown from a modest, Chicago-area based operation, to an international powerhouse, with over 600 employees and nine world-class manufacturing and distribution operations strategically located throughout the U.S., Europe, Latin America and South America.

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.

- Injection molding
- Lifetime Tooling management
- Metalizing facilities
- Engineering design and testing facility
- Mold maintenance operations
- Painting and UV Coating
- Fast-Track Tooling Center
- Optical Silicone Injection Molding
- Fabrication and assembly
- Project management
- Optical engineering
- Warehousing
- 88 – 1,500 ton presses



Photometric testing and evaluation labs



Manufacturing Facility - Dickson, TN

Production capabilities

Injection Molding

- Tonnage ranges from 88 to 1,500 tons
- Shot size from 4 to 260 ounces
- Mold base sizes up to 60 inches
- Servo Robot Technology
- MuCell Foaming technology
 - Reduce part weight
 - Reduce cycle time
 - Reduce warp
 - Reduce sink
- Centralized vacuum system and dedicated drying hoppers to maximize material purity

Clean room applications

Production of light-control polymeric sheet and other applications

Quality materials

All thermoplastic resins except acetal, specializing in clear and transparent colored materials

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

Engineering services

Testing and evaluation of optical systems

In-house photometric testing and evaluation labs perform rapid analysis

- Absolute – LM79 for LED
- Relative – Linear and compact fluorescent, induction, HID

Structural and Optical 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

Rapid prototyping

On-site design technology creates cost efficient molds and designs. Stereolithography and thermoforming for fast prototyping.

Testing and Evaluation of Materials and Coating Systems

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

Secondary operations

Metalizing

- Vapor Deposition batch vacuum metalizing

Coatings

- UV and thermal protective coatings
- UV and thermal cure base coats
- 1st and 2nd Surface Painting

Laser cutting

- Precision two- and three-dimensional shapes for plastic, steel, aluminum
- Edge polishing for plastic

Fastening and assembly

Sonic welding, spin welding, hot stamping, special machine post molding and assembly





AN **A.L.P.** BRAND

Customer service: 877-257-5841
www.alplighting.com

A.L.P. LexaLite® is the premier designer and manufacturer of innovative thermoplastic components for lighting and other global markets.

- Innovative designs
- Superior tooling
- Production excellence
- Economical pricing
- Competitive lead times
- Quality products