Company Profile
Lighting the real world
Ver 19.04

Ledlink Optics, Inc
Taiwan (HQ):
15F, No.655, Banan Rd.,
Chung-Ho Dist, New Taipei City,
Taiwan 235

Ledlink Optics(Dongguan) Co., Ltd
Dongguan (Factory):
No.5, TianKeng Industrial District
HengLi Town, DongGuan City
GuangDong Province, China 523478

Ledlink Optics(Yangzhou) Co., Ltd
Yangzhou (Factory):
No.180, LinJiang Road, YangZhou City,
Jiangsu Province, China 225009

service@ledlink-optics.com www.ledlink-optics.com
Company Overview

Corporate mission: Enable LED lighting applications for colorful and energy saving life

HQ: Taipei, Taiwan
Employees: 90
- Paid-in Capital: USD 15 million
- CEO: Telung Tang

Factory: Dongguan, China
Employees: 450
- Area: 33000 m²
- Certification: ISO 9001 / 14001 / UL / IATF16949
- Moulding machines: 200 sets
- Tooling monthly capacity: 70 sets

Factory: Yangzhou, China
Employees: 210
- Area: 30000 m²
- Certification: ISO 9001 / 14001 / UL / IATF16949
- Moulding machines: 100 sets
- Tooling monthly capacity: 30 sets

Milestones:
- 2008: Ledlink established in Taipei.
- 2010: UL Certification.
- 2011: Third factory expansion in Dongguan.
- 2012: IPO in OTC Taiwan.
- 2013: Yangzhou factory mass production.
- 2015: Supplying to automotive lighting manufacturers since 2015.

Further technical information is available, please contact us for more details.

Our Services

- R&D
- Precision Mould
- Manufacture
- Customization

Customization process

- Lighting source:
  - LED manufacturer
  - Type of LED
  - LED sample is required
  - LED spec
  - The LED position layout is needed

- Optical requirements:
  - Required beam angle (in full view) / If in half view, the light intensity curve is needed
  - Other luminance demands, such as uniformity, certain level of lux in a specific area from a certain distance.

- Mechanical requirements:
  - The limitation of dimensions is necessary

- Other specific requirements:
  - Such as material / Installed environment / Application

Turn around time: within 45-60 days

Optical design spec
Optical simulation
DFM report
Prototyping or M/P tool
Fine tuning
Sample approved
Released for M/P

7-10 days
4 days
7 or 35 days
3-7 days
Core Competencies

Optical Simulation

▶ Engineering Support
  14 optical engineers
  (Automotive: 4 engineers, General lighting: 10 engineers)
  In-house optical design
▶ 7 days Simulation Service
▶ Software: Trace Pro / Lucid Shape
▶ Both OEM, ODM services

Optical Measuring Equipments
Optical Measuring Support- 3D Laser Scanning
Reliability Test Equipments

Optical design
3-160 degrees secondary optical design, to enhance the LED light source for a number of applications, let the light fixture system be effectively utilized for lighting purposes. We offer customization for your needs.

Mechanism
Fine mechanical design, does not affect the luminous effect in lighting products, increasing the possibility of a lens more dynamic and designed for multiple surfaces and applications.
Tooling Design & Manufacture

- In house texture process
- Ultra-Precision tooling machines and measurement equipments

Toshiba ULG 5A (5 axis Ultra precision lathe grinding machine)– 1 set
Toshiba UVM 700C (5 axis 120,000 RPM)– 1 set
Toshiba UVM 450C (3 axis 60,000 RPM)– 10 sets
Toshiba ULC 100DS– 2 sets
Toshiba UVM 700C (3 axis 60,000 RPM Diamond turning machines)– 2 sets
36,000 RPM CNC machines– 7 sets
Wire cutting machines– 17 sets
Electrical discharge machines– 13 sets
Milling and grind machines– 67 sets
Silicone Lens

<Feature>

/Street lighting /Automotive lighting /Stage lighting /Commercial lighting

Mass Production
- Central feeding system.
- 300 sets moulding machines.
  - Injection machine (45T~680T).
- Equipped with robot arms and transporting rack.
- Die-gating machines:
  - CNC machines : 14 sets
  - Laser machines : 46 sets
- Ultra-Sonic welding process.
- Heat staking process.

Double injection machine
- Twin-colour parts.
- Cycle-time reduction.
- Thick-wall parts optical surface precision can be realised and controlled.

<Reliable Efficiency>
- High purity.
- Maintain optical and mechanical stability when temperature reaches to 150 ℃.
- High optical transmittance.
- High yellowing resistance.

<High Stability>
- Excellent UV resistance.

<Flexible Design>
- Lighter than glass.
- Precision molding (micro-size).
- Complex shapes (e.g. bottom routing, minus draft angle).
- Injection molding.

Variety design for wide applications.
Product Roadmap

Area lighting  Street lighting  Landscape lighting  Architectural lighting  Industrial lighting  Automotive lighting  Commercial lighting  Stage lighting  Indoor lighting

Multi-lens module  Single street lens  Multi street lens  Silicone lens  Wall washer lighting  Color mixing lens  Waterproof lens  Elliptical beam lens  Narrow beam lens

High-bay Lighting  Automotive optics  V-cut  Ultra-thin hybrid lens  Hybrid lens  Fresnel lens  Reflector  Stage lighting  Indoor lighting

LED partners

bridgelux  CITIZEN  CREE  LG Innotek  EVERLIGHT  LEXSTAR  LUMILEDS  LUMINUS  LUMENS  NICHIA  OSRAM  ProLight  plessey  SAMSUNG  SHARP  XICATO