OEM/ODM Solution Provider
Industrial and Outdoor LED Lighting
R&D Competence

Accumulated 80+ years of engineering expertise in mechanical, optical, electrical design and thermal management

Optical Design
• In-depth knowledge of North American and EU standards and regulations on road and area lighting for public area as well as industrial applications, privately tooled optical lens options for various applications.

Optical Lens Design
• LIGHTTOOLS
• TRACOPRO
• ZEMAX

Optical Design
• Well experience electric engineers with good knowledge on international standards & requirements, make lights system more effectively and powerfully.

Electrical Design
• PROTEL99SE
• Altium Designer
• CAM350

Electrical Design
• WELL EXPERIENCE ELECTRIC ENGINEERS WITH GOOD KNOWLEDGE ON INTERNATIONAL STANDARDS & REQUIREMENTS, MAKE LIGHTS SYSTEM MORE EFFECTIVELY AND POWERFULLY.

Thermal Management
• Advanced heat sink design and heat analysis software, military-level material analysis and test equipment (in UESTC labs).

Thermal Management
• For electronics
• ICEPACK
• FloTHERM XT
• FloFED
• 6SigmaDC

Thermal Management

For heat flow

FloEFD

6SigmaDC

Mechanical Design

Mechanical Design & Analysis
• AUTOCAD
• SOLIDEDGE
• SLIDWORKS
• PRO/E
• UG NX

Mechanical Design

China Top University Support

Strategic R&D partner program with The College of Opto-electronics, University of Electronic Science and Technology of China (UESTC, China’s number 1 electronics university) on:

• Product Research & Development

• Shared the laboratory
Supply Chain Integration

Key Materials Supply
- The key materials, the LED chip and drivers, E-Lite only uses the top suppliers.
- Cree, Nichia, Osram, Lumileds are our first choice; and drivers go to Sosen and Meanwell.

Logistic & Transportation
- China’s biggest inland container yard.
- China’s No. 4 air hub and two airports.
- Direct rail transportation to Europe.
- Fast and reliable rail and trucking to Shanghai or Shenzhen port for sea freight.

Industry Base
- China’s top mechanical engineering and complete production base for military, aerospace and heavy industry.
- Large electronics companies produce and ship from Chengdu, TEXAS INSTRUMENTS, FOXCONN, HUAWEI, INTER, MOLEX, TXN.

Talents & Employee
- 109 universities and colleges in Sichuan and 85 universities locate in Chengdu.
- Good supply of experienced engineers and well-trained workshop labors.
- A city that hubs more than 300 of 500 Fortunes companies.
Production Capability

Production Capacities
Flexible production lines for all type of fixtures. Total capacity for typical 150W fixtures around 500K pieces per year.

Main Production Machinery
- SMT with 25 million plot per day
- 31 die casting machine with 280T-1000T
- 3 painting lines with 10,000pcs per day
- 68 injection lines with 60T-470T
- 3 Auto Vacuum plating lines
- 1 set Stamping with 15-250T
- 6 anodizing equipments

Products Range
- LED high bay fixture
- LED flood light
- LED area light
- LED street light
- LED garage light
- LED canopy light
- LED tunnel light
- LED wall pack
- LED high mast
- LED sport light
- LED port light

Production Staff & Lines
- 5 assembling lines
- 11000sqm production floor for future expansion.
Quality Control System

**Incoming Quality Control**
1. Warehouse inspection on specification
2. Quality inspection on Physical, chemical and other characteristics, and Whether it meets the requirements of the corresponding raw material inspection
3. Small batch material sample production

**In-Process Quality Control**
1. Operator process execution quality, equipment operation skills
2. Equipment operating status, load level.
3. Whether the process is reasonable, whether the technology meets the requirements of the product.
4. Whether the environment is suitable for production needs.
5. Semi–finished and finished products.

**Finished Product Quality Control**
1. Appearance of the test (color, gloss, roughness, burr, whether scratch).
2. the size of the aperture measurement.
3. Performance testing (material physical, chemical properties, electrical characteristics, mechanical characteristics, operational control).
4. A comprehensive and final inspection and testing, and in ensuring that the product meet the shipping specifications, and the requirements of customer use.

**Outgoing Quality Control**
1. Whether the packaging is firm and it meets the shipping requirements.
2. Additional inspection: If the instructions, accessories are leaked.
3. Identification inspection: If the trademark & batch number is correct.
4. Appearance inspection: the appearance of damage, cracking, scratches, etc.
5. Finished product performance test
Sales Support Services

Role: 1. We are not sales team but the service team.
2. The representative of partners in E-Lite.
3. Free high speed bridge between partners and E-Lite engineering and production.

Aim: 1. 100% converting the partners ideas and thoughts.
2. 100% stand for the partners interests and benefits.
3. 100% open for partners, no hidden, no cheating.
4. 100% win-win, stable and trustworthy cooperation.

What we do for you:
• Thorough technical communication & preparation before joint development program
• Timely in-design communication
• Production progress reporting system
• After sales quality tracking system
1. Ask a Non-Disclosure Agreement (NDA) from E-Lite.
2. Hold partners cooperation information in our own pocket.
3. Keep the relevant developing products and new technology & technical information just in our files.
4. Keep the partners samples in house.
5. A secured supply chain in the Great Sichuan area far from the coastal region that prevent our products or tooling from leaking to competitors on upper chain supply.

E-Lite is your back stage hero.
Compliance & Certificate

ISO 9001:2015 # 111706019
ISO 14000:2015 # 121709012

UL # E364781
ETL # 4009609
FCC # 752021
GMA-103158, SAA132301
RoHS # Z138101447, 0164022520a, 68164140095501a
CB # DE2-021954, DE2-081621, DE2-081616, DE2-017339,
CE # AE50381784, AE50304594, AE50302865, AE50208255, N8A 141089476
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