

Being Credible Makes Lekoled Incredible!

LEKOLED

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- ✓ **Lekoled Brief Introduction**
- ✓ **Lekoled Product & Service**
- ✓ **Factory Facilities**
- ✓ **Main Manufacturing Process**

Part I

Lekoled Brief Introduction



■ About LEKOLED

■ Certification and Honors

■ Our Footprints



www.lekoled.com

info@lekoled.com

LEKOLED Technology Corporation (also known as LKL, established in 2005), headquartered in Shenzhen, is one of China's leading LED packaging manufacturer with rich experience in LED Lighting industry. Lekoled, with strong R & D development and manufacturing integrated in-house, is a professional and dynamic manufacturer specializing in **COB LED 2-400W, Power LEDs 1-100W, SMD LEDs, Color LEDs 275-940nm, projecting LED modules 10-800W (FC & PST Series), etc**, which are widely applied to general lighting, horticulture, studio lighting, landscape & architectural lighting and stage lighting.

Most of our led products are LM-80 tested and approved, also with RoHS EN62471/IEC62471 etc). We have been granted for more than 100 patents both in design and technology areas. With excellent quality, diversity and reliable performance, reasonable price, and satisfactory after-sales service, all of our products comply with international quality standards and are greatly welcomed in a variety of different markets throughout the world.



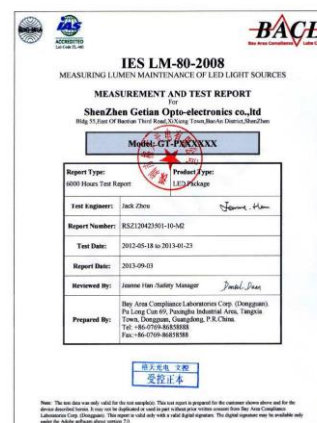
National Hi-Tech Enterprise



Bridgelux Strategic Partner



CNAS LAB





Lighting fairs we attend:

HK, Guangzhou, Shanghai, USA, Mexico, Brazil, Argentina, India, Turkey, Thailand, Germany, Russia, Australia.

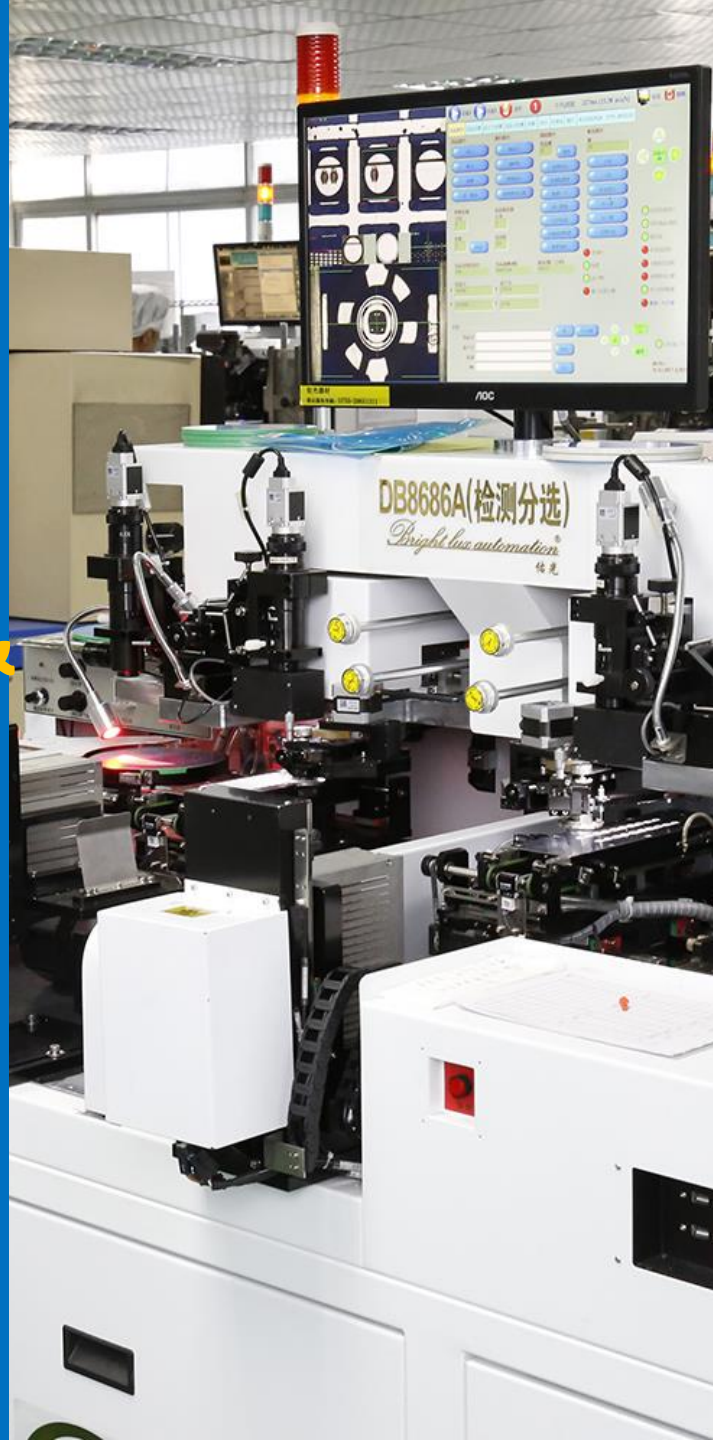
Our Customers:

We have more than 2000+ customers coming from more than 75 countries and regions.

2019: Poland, Slovenia, Netherlands, Spain, Russia...

Part II

Lekoled Product & Service



- General Lighting
- Special Lighting
- Projection Lighting
- OEM & Custom Service

01 General Lighting



- ✓ A wide power range is optional
- ✓ Various packages (COBs, SMDs) available
- ✓ Good color uniformity
- ✓ High brightness, good reliability, heat-resistant and UV resistant
- ✓ Suitable for general lighting including indoor, outdoor and industrial lighting
- ✓ Most of the LED series are LM-80, RoHS, EN62471/IEC62471 approved

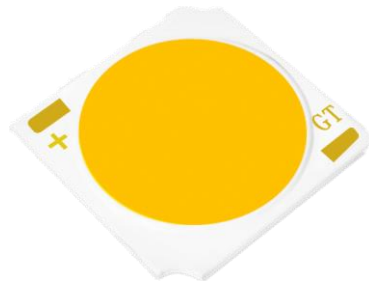
- ✓ Power: 2-400W
- ✓ CRI: 70 80 90 95 97
- ✓ CCT 2200K 2700K 3000K 4000K 5000K 6000K
- ✓ Luminous Efficacy: Up to 170LM/W
- ✓ 3/5 step Mac Adam Ellipse
- ✓ LM-80 Approved; EN62471; RoHS



1313-2
LES: 7.4mm



1313-1
LES: 11.2mm



1919
LES: 17mm



Extraordinary Color Consistency COBs
for Tracks, Down Lights, Spots, Ceiling Lights

- ✓ Power: 2-400W
- ✓ CRI: 70 80 90 95 97
- ✓ CCT 2700K 3000K 4000K 5000K
- ✓ Luminous Efficacy: Up to 170LM/W
- ✓ 3-5 step Mac Adam Ellipse
- ✓ RoHS; EN62471



2828
LES: 24.5mm



3838
LES: 35.5mm

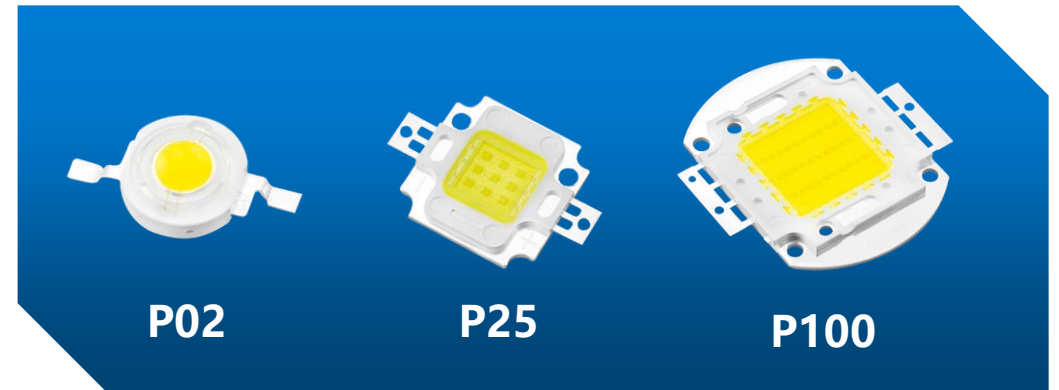
2828



3838

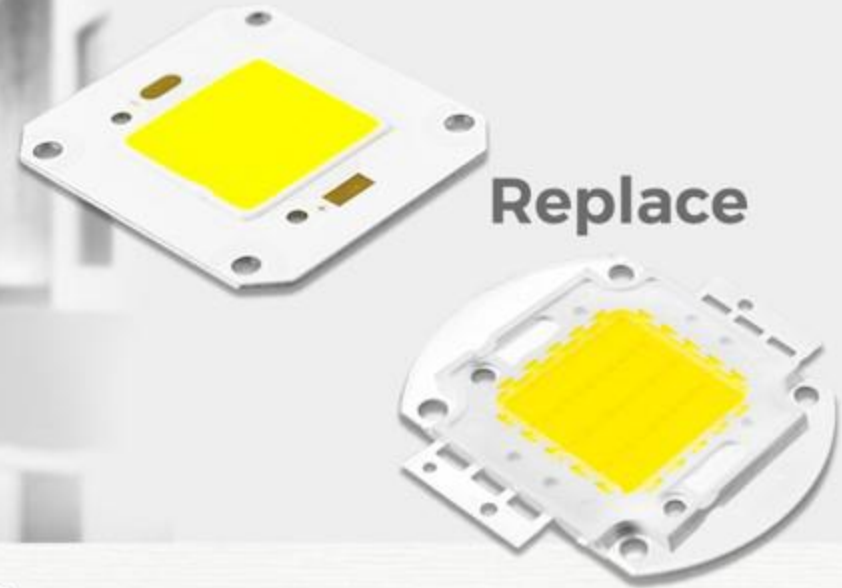
**Highly reliable and efficient options
for Street Lights, Flood lights and high bays.**

- ✓ Power: 1-100W
- ✓ CRI: 70 80 90 95 98
- ✓ CCT: 2600-7000K 9000-25000K
- ✓ Luminous Efficacy: Up to 140LM/W
- ✓ Red Copper Base; Pure Gold Wire 99.99%
- ✓ Superior LM-80 Performance
- ✓ Application: Wall washer, street light, flood light, high bays, underwater light, etc.



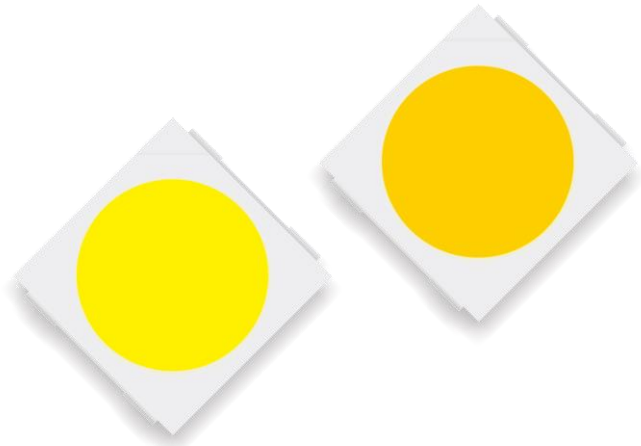
20-100W 4046 MSA COB Series

- mounting dimension & LES = P100W COB
- high luminous efficacy 160lm/w
- Super cost effective
- Application: flood light, high bay light, street light, etc.



LEKOLED Technology Corporation

- ✓ CRI: 70 80 90 95 98
- ✓ CCT: 2600-7000K 9000-25000K
- ✓ Pure Gold Wire 99.99%
- ✓ Superior LM-80 Performance
- ✓ Application: Wall washer, street light, flood light, high bays, underwater light, etc.
- ✓ To replace P100W COBs (same mounting size)



- ✓ Power: 0.2W 0.5W 1-3W
- ✓ Package: 3030 3535 2835
- ✓ Flip Chip soldered on ceramic base
- ✓ Beam angle: 120°
- ✓ Application: Indoor/Outdoor lighting, functional lighting, etc.
- ✓ LM-80/EN62471/IEC62471

02 Special Lighting

Horticulture LED

- ✓ Perfect photoelectric conversion efficiency
- ✓ Full range of colors from 360nm to 850nm
- ✓ Free combination of colors and power
- ✓ Ideal Spectrum for plants grow

Studio LED

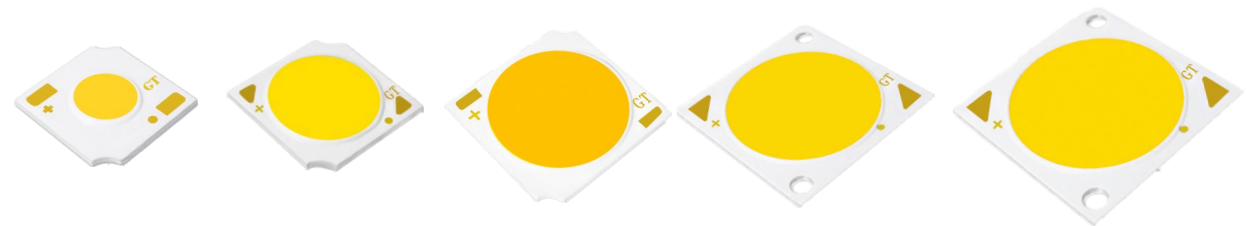
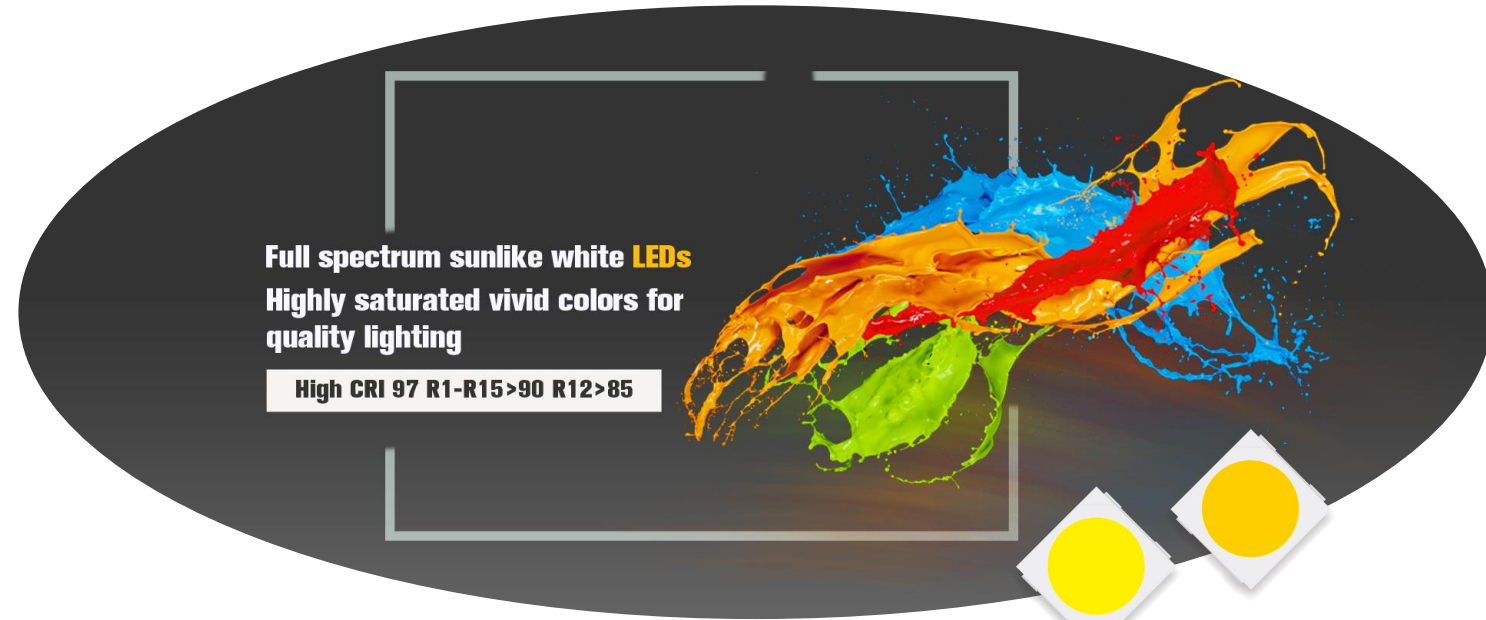
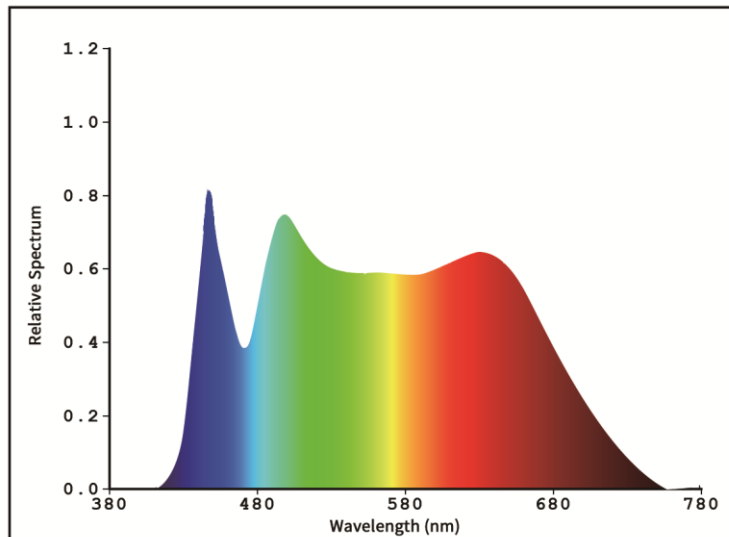
- ✓ Super High CRI with good TLCI values
- ✓ Accurate and agile softlight
- ✓ Outstanding color consistency

Landscape & Architectural LED

- ✓ White and different colors optional
- ✓ Directional lighting effect to create vivid scenes
- ✓ Highly integrated, colorful, perfect mixed light effect



- ✓ 3030 SMDs; COB 1313-3838
- ✓ 2700K 3000K 4000K 5000K 5700K
- ✓ Power: 1-400W
- ✓ Pure gold wire 99.99%
- ✓ Widely used for plant grow lights, high quality lighting





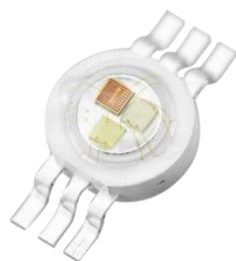
- ✓ Wavelength: 360-940nm
- ✓ Power: 0.2-400W
- ✓ Various packages available; Power LEDs, SMDs
2835 & 3030
- ✓ Pure gold wire 99.99%, Red Copper Base
- ✓ Widely used for plant grow lights & stage light



3030-color



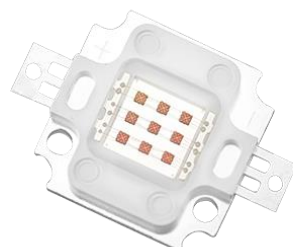
P02



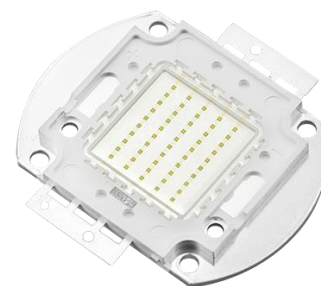
P6PRGB



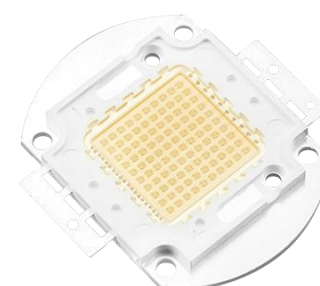
P10RGB



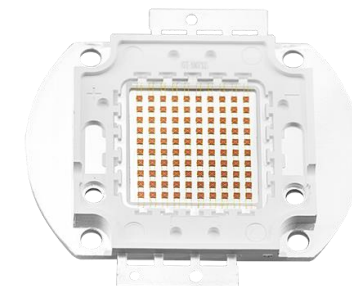
P25-R



P100-B



P100-A



P100-R



VIVID STUDIO LIGHTING LED

Highly saturated true color for studio lighting



LKL-M3030CW



LKL-M3030WW

- ✓ Power: 1W-3030 SMD
- ✓ High CRI >96 R9, R12>90 TLCI>90

- ✓ LM-80 Approved
- ✓ Application: Studio lighting applications

- ✓ Excellent color mixing performance for 3535 RGB and RGBWs
- ✓ 3030 Red Green Blue LEDs with lens available
- ✓ Compact high power pacakge
- ✓ Unique phosphor coating technology
- ✓ Best choice for stage lighting; landscape and smart lighting.



3535-R,G,B,W,Y,RGB,RGBW



Air/Surface/Water Purification

Disinfection/Sterilization

Medical treatment and Personal Care

Bio-analysis/detection

**HIGH RADIATION RELIABLE
DEEP UV 275 310NM**

The diagram features a central square package containing a DUV LED chip. Four circular icons are connected to this central package by lines, each representing a different application: a glass of water for purification, a hand holding a glowing sphere for disinfection, a stethoscope for medical care, and a pipette for bio-analysis. At the bottom of the main diagram, four smaller images show different physical LED chip packages: a square package with a lens, a square package with a lens, a square package with a lens, and a square package with a lens.

03 Projection Lighting

High Reliability and Stability

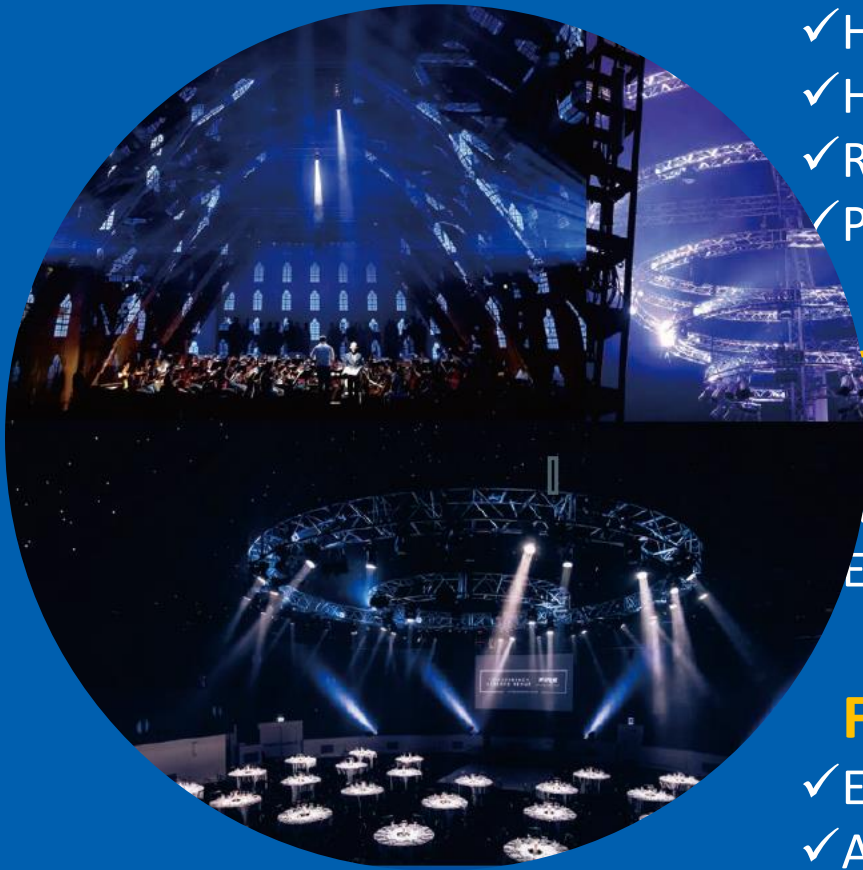
- ✓ Ceramic base with flip chip mounted, no gold wire bonding
- ✓ High heat conductivity with red copper substrate
- ✓ High temperature eutectic welding technique
- ✓ Reliable raw materials applied with super fast heat transfer
- ✓ Patented phosphor coating technology

Outstanding Projecting Performance

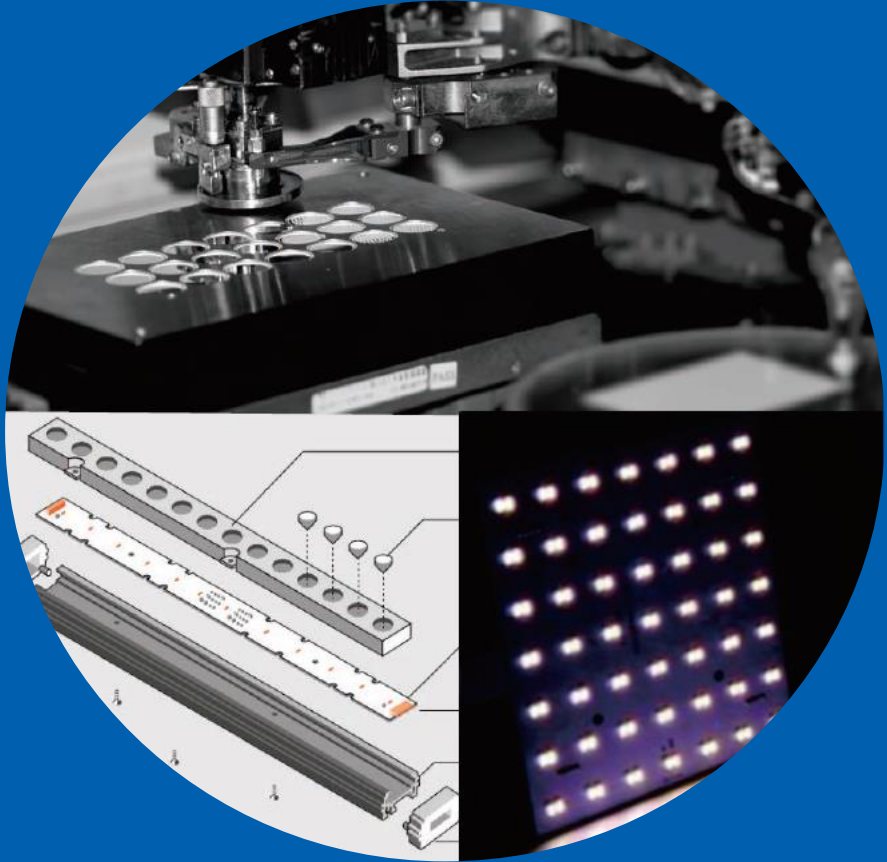
- High power & lux density with super even light distribution
- Minimum distance in-between chips to achieve surface emitting effect
- Extremely small LES optimized for focused lighting purpose

Flexible Application Features

- ✓ Equipped with temperature sensor and quick connector
- ✓ A wide power range from 10W to 800W optional
- ✓ Suitable for stage light, projector, searchlight and long-distance lighting applications, etc



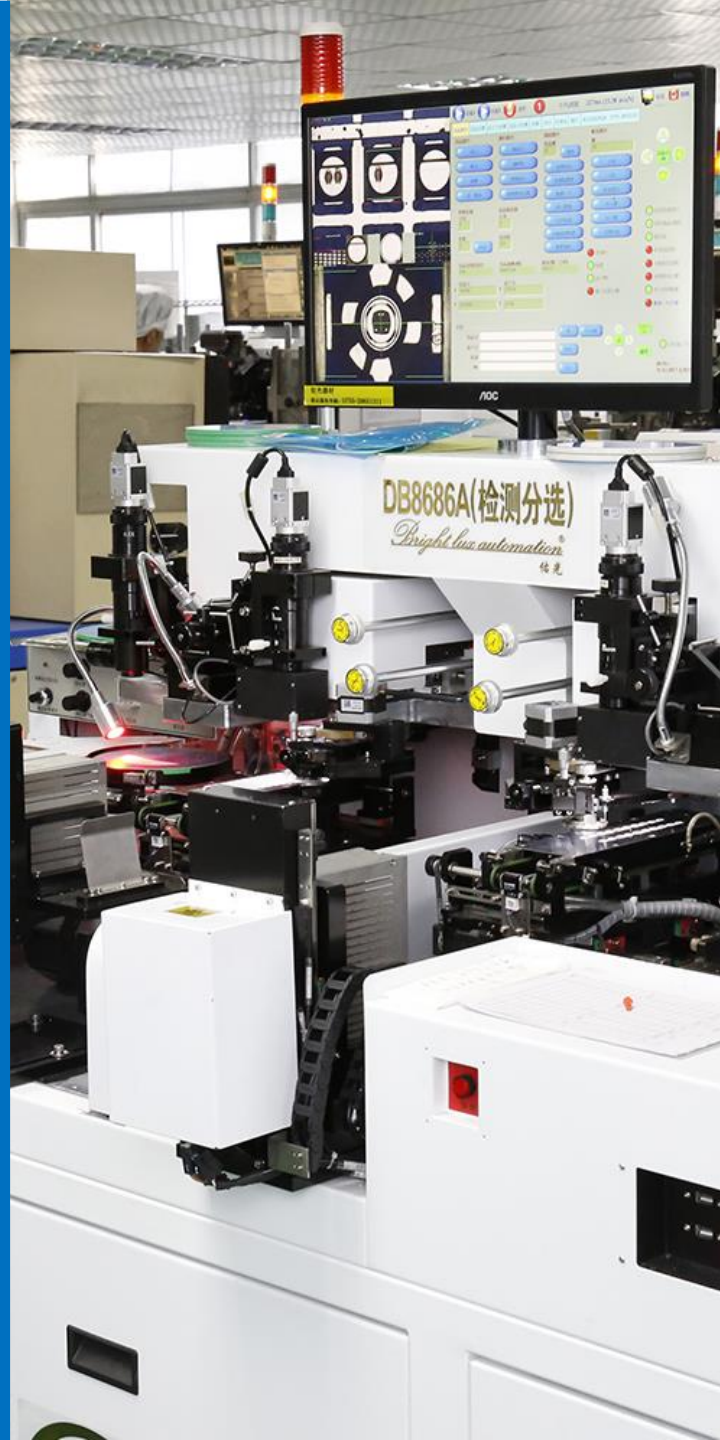
04 OEM & Custom Service



- ✓ Let us know your requirements, we make it from idea to real.
- ✓ We help our customers to design PCBs and offer soldering service
- ✓ We customize COBs or led modules as required
- ✓ We provide LEDs, LED Drivers and PCBs as an interaged solution
- ✓ We are a professional LED manufacturer to provide comprehensive & one-stop solutions to our valued customers

Part III

Factory Overview



- ✓ CNAS Laboratory
- ✓ Testing Equipment
- ✓ Main Manufacturing Process

Sphere Testing and Calibration Machine

Temperature Shock Testing Equipment

Constant Humidity & Temperature Testing Equipment

High Temperature Aging Test Machine

UV Aging Test Machine

Raining Test Machine

Salt Spray Test Machine

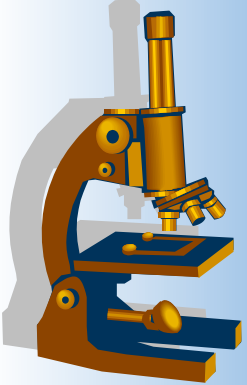
Shipping Vibration Test

Lighting Aging Test

Junction Temperature Test Machine

High Temperature Storage Equipment

Microscope









www.lekoled.com
info@lekoled.com

Reliable Quality

Best Price

Fast Response

Thank You