



国星之光 精彩照明
 NATIONSTAR, LIGHTING UP THE WORLD

NATIONSTAR

专业LED制造商 · 提供照明解决方案

PROFESSIONAL LED MANUFACTURER · PROVISION OF LIGHTING SOLUTIONS


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钻木取火时代
FIRE BY RUBBING STICKS

煤油灯时代
KEROSENE LAMP ERA

白炽电灯时代
INCANDESCENT LAMP ERA

LED时代
LED ERA



卷首语 FOREWORD

每一个光明的路标，都记录着人类文明的足迹。
EACH LANDMARK OF LUMINOSITY RECORDS THE FOOTPRINT OF HUMAN CIVILIZATION.

夸父逐日，普罗米修斯盗火，是中外历史最绚丽的篇章之一。神话记载的是光明的足迹，镂刻的是对光明的追求。前人的精神源远流长，永不止息，一切在后人身上繁衍盛放。挥别了钻木取火，告别了煤油灯时代，与盛行一个多世纪的白炽电灯并驾齐驱，LED的横空出世，光明的新突破，预示未来的光明道路……

The myths about Kua Fu chased the sun, and Prometheus brought down the fire to mortals, which are the brilliant chapters in the human history. The myths disclosed the footprints of human's pursuit of light. The ancestors' spirit originated from the ancient time. It will last forever, and spread to the descendants. Having said goodbye to the era with fire by rubbing sticks and the kerosene lamps, when time comes to a breakthrough of light, LED rewrites the history when incandescent lamp had been in prevalence for a century.

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企业篇

THE COMPANY

为光而倾注

DEDICATION FOR LIGHT

对光明的追求与渴望，是国星人进取创新的力量之源，推动着国星在LED这一全球最具发展前景的高新技术领域中，走出了民族光电企业的不凡征程……

The motivation of NationStar's innovation comes from the pursuit of light, which also encourages NationStar to concentrate in LED industry, which is one of the most promising high-tech fields...

佛山市国星光电股份有限公司是专业从事研发、生产、销售LED及LED应用产品的国家火炬计划重点高新技术企业，广东省优秀高新技术企业。公司占地面积3.9万平方米，厂房面积6.6万平方米。此外，占地面积3.46万平方米的新基地已经动工，预计2012年投入使用。公司建于1969年，经过四十多年的发展，公司借助资金、渠道、科研和管理等方面的优势为行业所认可。2010年7月16日，公司成功在深圳证券交易所上市。

创新推动发展，科技引领未来。公司设有企业博士后科研工作站、省企业技术中心、省光电子工程技术研究开发中心、苏锵院士工作室、广东省半导体照明材料及器件工程实验室、半导体照明材料及器件国家地方联合工程实验室。近年来，公司先后承担了多项国家“863”计划项目、国家“863”计划引导项目、国家火炬计划项目、国家“十二五”科技支撑计划项目、国家电子信息产业发展基金项目、省市重大科技专项等项目。公司产品多次获国家级、省级重点产品称号，科技成果多次荣获省市科技进步奖等荣誉。

产品是基础，质量是关键。公司先后通过了ISO9001质量管理体系认证、ISO14001环境管理体系认证、ISO/TS16949质量管理体系认证、OHSAS18001职业健康安全管理体系认证。

品牌、科技、质量支撑着国星光电的飞跃发展，描绘着企业宏伟的蓝图。国星光电将努力推动我国绿色照明产业的发展。

Foshan NationStar Optoelectronics Co. Ltd, specializing in manufacturing LED and LED applied products, is a key hi-tech enterprise of the National Torch Plan, and excellent high-tech enterprise of Guangdong Province. Current production bases cover total area of 39,000, while workshops and offices building area 66,000m². Meanwhile, the new base covering 34,600m² is being constructed and expected to be in use in 2012. Founded in 1969, with advantages on capital, distribution channels, R&D, and management, it has been ranked in the list of the famous LED brands. On 16th July, 2010, it launched its initial public offering and was listed in Shenzhen Stock Exchange.

Innovation promotes development, and technology leads to the future. The company is equipped with the post-doctoral science workstation, the enterprise technology center of Guangdong province, the optoelectronics research center of Guangdong province, and the research office of Prof Su Qiang, academican of China Academy of Science, and the local and national united engineering laboratory of semiconductor lighting materials and devices. In recent years, the company has undertaken various R&D projects supported by the national and local government. In addition, the products of NationStar have been granted with a lot of national and provincial honors.

The company has ISO9001 system certification, ISO14001 system certification, ISO/TS16949 system certification and OHSAS18001 system certification.

Brand, technology and quality sustain the company's rapid growth, and draft the company's magnificent blueprint. NationStar does her best to push the development of the green lighting industry in China, and the world.



佛山华宝厂区：公司总部，LED器件、LED组件生产基地
Location at Huabao Road, Foshan: Headquarter, production base of LEDs and LED modules
占地面积：26,000平方米
Floor Area: 26,000 m²
建筑面积：46,000平方米
Building Area: 46,000 m²



佛山汾江厂区：公司发祥地，现为LED照明产品生产基地
Location at Fenjiang Road, Foshan: Origination of the company, production base of LED lighting products
占地面积：13,000平方米
Floor Area: 13,000 m²
建筑面积：20,000平方米
Building Area: 20,000 m²



无锡国星光电科技有限公司
Wuxi NationStar Optoelectronics Co. Ltd, Wuxi City
占地面积：13,000平方米
Floor Area: 13,000 m²
建筑面积：9,000平方米
Building Area: 9,000 m²



新基地（预计2012年投入使用）
New Base, Expected to be in use in 2012, new headquarter and factory
占地面积：34,600平方米
Floor Area: 34,600 m²
建筑面积：93,000平方米
Building Area: 93,000 m²

企业理念 CORPORATE VALUES

以真诚的工作增进个人、家庭和社会的福祉，
创造公司的永远繁荣。

Work with sincere faith to enhance the well-being of
individuals, families and society, and to create the ever
prosperity of the company.

经营理念 MANAGEMENT CONCEPT

用户至上，创新制胜，以人为本，科学管理。
The customer is supreme, innovation to success,
human-orientation, scientific management.

人文精神 WORK PRINCIPLES

1. 求同存异、团结互助的团队精神；
1. Teamwork;
2. 从严要求、一丝不苟的认真精神；
2. Earnest;
3. 爱厂爱家、勇担责任的负责精神；
3. Responsibility;
4. 脚踏实地、真抓实干的务实精神；
4. Pragmatic;
5. 尊重科学、敢于实践的创新精神。
5. Innovation.

全员参与，质量第一，持续改进，为顾客提供满意的产品和服务。
All-staff participation, quality first, constant improvement, providing customers with satisfactory products and services



OHSAS18001职业健康安全管理体系证书
OHSAS18001 System Certificate



ISO9001质量管理体系证书
ISO9001 System Certificate



ISO14001环境管理体系证书
ISO14001 System Certificate



ISO-TS16949质量管理体系证书
ISO-TS16949 System Certificate

历史成就专业 专业铸就品质

Professional Achieved From History; Specialization Enhances Quality

- 1969
公司成立
The company was founded
- 1976
LED投产
LED were put into production
- 1981
公司由佛山市光电器材厂更名为佛山市光电器材公司
Renamed as Foshan Optoelectronics Equipment Company
开始与日本鸟取三洋公司合作生产LED产品至今
Started to cooperate with Sanyo (Japan) to produce LED

- 1994
认定为广东省高新技术企业
Awarded as Hi-Tech Enterprise of Guangdong Province
- 1995
评定为全国最大光电器件生产与出口加工企业
Awarded as the largest optoelectronics manufacturing & OEM enterprise in China
- 1997
建立全国首家企业保税仓
Established the first enterprise bonded warehouse in China
- 2000
组建公司光电子工程技术研究开发中心
Optoelectronics Technology R&D Center was established
- 2002
公司改制并更名为佛山市国星光电科技有限公司
Transformed and renamed as Foshan NationStar Optoelectronic Science and Technology Co., Ltd.

- 2004
成立全资子公司无锡国星光电科技有限公司
Established wholly-owned subsidiary in Wuxi City
被认定为国家火炬计划重点高新技术企业
Certified as Hi-Tech Enterprise of the National Torch Project
- 2007
公司迁入佛山市国家高新技术开发区新厂
Moved into Foshan National Hi-Tech Development Zone
公司更名为佛山市国星光电股份有限公司
Renamed as Foshan NationStar Optoelectronics Co., Ltd
设立苏锵院士工作室
Research office of Prof.Su Qiang, academician of China Academy of Science was established
被评为全国优秀科技民营企业
Certified as Excellent Private Science and Technology Enterprise in China

- 2008
11月15日，国家总理温家宝来公司视察
PM Wen Jiabao visited the company on November 15, 2008



成立博士后科研工作站
Post-Doctoral Science Research Workstation was established

- 2009
与美国SemiLEDs Corporation等企业共同投资设立旭瑞光电股份有限公司
Cooperated with SemiLEDs Corporation from U.S. and other enterprises to establish Xurui Optoelectronics (China) Co., Ltd

- 2010
7月16日，佛山市国星光电股份有限公司首次公开发行股票并挂牌上市
On July 16th, 2010, Foshan NationStar Optoelectronics Co., Ltd succeeded IPO and became a public company



11月，国务院副总理张德江莅临公司视察
Vice PM Zhang Dejiang visited our company in November

- 2011
投资设立佛山市国星半导体技术有限公司
Established Foshan NationStar Semiconductor Co., Ltd
占地面积34600平方米的新生产基地动工
started construction of the new manufacturing base covering 34,600 m² constructed.
批复设立半导体照明材料及器件国家地方联合工程实验室
The local and national united engineering laboratory of semiconductor lighting materials and modules was approved to be established.





LED器件生产能力
LED PRODUCTION CAPACITY

LAMP LED : 40 KK只/月

LAMP LED : 40 KK pieces per month

SMD LED : 700 KK只/月

SMD LED : 700 KK pieces per month

HIGH POWER LED : 3 KK只/月

HIGH POWER LED : 3 KK pieces per month

大陆最大的SMD生产能力

Top grade equipments, the largest SMD LED production capacity in Mainland China

LED照明产品生产能力
LED LIGHTING PRODUCT PRODUCTION CAPACITY

光源模块: 18KK块/年

LED MODULES : 18 KK pieces per year

灯条: 3KK条/年

LED STRIPS: 3 KK pieces per year

护栏管、洗墙灯等亮化产品: 200K条/年

LED GUARDRAIL LAMP/WALL WASHER LIGHT: 200 K pieces per year

灯管: 1.5KK根/年

LED TUBES : 1.5KK pieces per year

射灯、筒灯、球泡灯等照明产品: 1.5KK只/年

LED SPOTLIGHTS\DOWNLIGHTS\BULBS: 1.5KK pieces per year

主要国外客户
MAJOR CUSTOMERS ABROAD



主要国内客户
MAJOR CUSTOMERS DOMESTIC



国星光电业务伙伴遍及全球，通过建立起与业务伙伴真诚沟通的桥梁，实现共赢合作，携手推进LED照明事业的发展。
NationStar's important customers are located in many countries and areas. With sincere communication and cooperation, win-win partnership between NationStar and customers will push forward the LED industry and technology.



我们珍惜每一个荣誉，这是成就的见证，也是努力的见证，更是动力的来源。荣誉背后是全体国星人的汗水和奉献。
We cherish every honor, which is the witness of our efforts and success, and the source of momentum. The honors come from the dedications and endeavors of all the NationStar staff.



半导体照明技术标准工作组成员单位
Member of Semiconductor Lighting Technology Standard Working Group



国家重点新产品
National Key New Product



中国半导体照明行业最具成长性企业
The Most Growth-Promising Enterprise of LED Lighting Industry in China



国家高新技术企业
National High-tech Enterprise



AAA级信用企业
Enterprise with AAA Grade Credibility



广东省战略性新兴产业骨干企业
The Key Enterprise of Emerging Industries of Strategic Importance in Guangdong Province



国家火炬计划重点高新技术企业
Major High-tech Enterprise of National Torch Program



广东省自主创新产品
The Independent Innovative Product of Guangdong Province



广东省名牌产品
The Famous Brand Product of Guangdong Province



研发机构
R&D INSTITUTION

- 广东省光电子工程技术研究开发中心
Optoelectronics Research Center of Guangdong Province
- 苏锵院士工作室
Research Office of Prof. Su Qiang, academican of China Academy of Science
- 国星光电中央研究开发院（筹）
Nationstar National Research Institute (In Preparation)
- 广东省半导体照明材料及器件工程实验室
The Provincial Engineering Laboratory of Semiconductor Lighting Materials and LEDs

研发人员
R&D STAFF

公司现有博士（后）11人，硕士40人，10名高级工程师（含3名教授级高工），本科以上科技人员480多人。
We have 11 doctors (including post-doctorate), 40 masters, 10senior engineers (including 3 professor-level engineers) and more than 480 staff with bachelor degrees.

- 广东省企业技术中心
Enterprise Technology Center of Guangdong Province
- 博士后科研工作站
Post-doctoral Science Research Workstation
- 半导体照明材料及器件国家地方联合工程实验室
The Local and National United Engineering Laboratory of Semiconductor Lighting Materials and modules



专利成果
THE PATENTS

公司高度重视技术创新和知识产权工作，截至2012年02月，已申请专利190项，其中，发明专利32项，PCT专利3项，国外专利17项。已授权专利达141项，其中，获授权发明专利11项，专利工作跃上新的台阶。
NationStar attaches great importance to technologic innovation and intellectual property. By February 2012, NationStar had applied for 190 patents, including 32 patents for inventions, 3 PCT patents, 17 overseas patents. There are 141 issued patents, including 11 patents for inventions. It's a new stage of patent achievements.

项目成果
PROJECT AWARDS

- 2005年，半导体照明光源模块(金属基板) 被评为国家重点新产品。
In 2005, the LED light module was awarded as The National Key New Product
- 2006年，基于LED背光源的车载显示模块、PLCC型功率LED被评为广东省重点新产品。
In 2006, the display module made of LED and PLCC power LED was awarded as the Important New Product in Guangdong Province
- 2009年，LED显示模块、大功率LED、一体化红外接收器被评为广东省自主创新产品。
In 2009, LED display module and high power LED were awarded as the innovative product of Guangdong Province
- 2009年，片式LED、大功率LED、LED显示器被评为广东省高新技术产品。
In 2009, chip LED, high power LED and LED display module were awarded as The High-Tech Products of Guangdong Province
- 2010年，半导体光源模块、金属基板片式LED被评为广东省自主创新产品。
In 2010, LED light module and metal PCB SMD LED were awarded as the innovative products of Guangdong Province
- 2010年，半导体照明灯具被评为国家重点新产品。
In 2010, LED lightings were awarded as the National Key New Products
- 2010年，AAA牌发光二极管再次被评为广东省名牌产品。
In 2010, NationStar's AAA brand LEDs were awarded as the TOP Brand Products in Guangdong Province
- 2011年，基于PCB结构的大功率LED被评为国家重点新产品。
In 2011, PCB base structured high power LED was awarded as the National Key New Product
- 2011年，LED矿工灯、LED筒灯、LED光源模块被评为广东省自主创新产品。
In 2011, LED miners head light, LED downlight, and LED module were awarded as the innovative products of Guangdong Province

国星光电拥有高素质的专业研发队伍，专注于产品与技术的研发创新，产品通过国内外多项权威认证。Relying on our high qualified professional R&D team, concentrating on research and innovation of technology and product, we obtained important certificates which are authorized by labs and organizations from China and abroad.



CE 认证
CE Certificate



TUV 认证
TUV Certificate



UL 认证
UL Certificate



中国节能产品认证证书
China Certificate For Energy Conservation Product



CQC 认证
CQC Certificate



ETL 认证
ETL Certificate



中国绿色之星证书
Certificate of China Green Star



CCC 认证
CCC Certificate



科研项目 • GOVERNMENT FUNDED R&D PROJECT

- 国家“863”计划项目及“863”计划引导项目，7项
7 projects from the National High Technology Research and Development Program (“863” Program) of China
- 国家火炬计划项目，4项
4 projects from the National Torch Plan
- 国家“十二五”科技支撑计划项目，1项
1 project from the Science & Technology Support for National 12th Five-Year Plan
- “国家高技术产业升级和结构调整”项目，1项
1 project from the National Hi-tech Industry Upgrading Project
- 国家“十五”科技攻关项目，2项
2 projects from the National Key Technologies R&D Program for 10th Five-Year Plan
- 国家中小企业创新基金项目，1项
1 Nation-Funded Small & Medium Enterprises Innovation Project
- 国家级电子信息产业发展基金项目，2项
2 Nation-Funded E-commerce
- 粤港关键领域重点突破项目，8项
8 projects from Guangdong-Hong Kong Key Fields
- 广东省重大科技专项，6项
6 Main Science & Technology Projects of Guangdong Province
- 省部产学研结合项目，1项
1 Academy-Enterprise Cooperation Project Supported by Province & Ministry
- 其他各类项目，29项
29 other projects



LED器件篇 LIGHT EMITTING DIODES

实现您想的光
Make your desired light come true

国星的产品是汇集了科技、凝聚了智慧，倾注了热诚的结晶……
The product of NationStar is the collection of science and technology, intelligence, and enthusiasim……



蛟龙3535系列
LOONG LED 3535 SERIES

户外显示屏器件-TOP LED
Outdoor Display SMD RGB LED

产品用途：广泛用于户外显示屏
Application: widely used in outdoor displays
外形尺寸：3.5×3.5mm、5.0×5.0mm
SIZE: 3.5×3.5mm、5.0×5.0mm
产品特点：防水性能好、对比度高、功耗低、亮度高、可靠性高
Product Feature: high waterproof performance、high contrast、low power consumption、high reliability



户内显示屏器件-TOP LED
Indoor Display SMD RGB LED

产品用途：广泛应用于户内显示屏、各类装饰照明等
Application: Widely used in indoor displays and decorative lightings
外形尺寸：2.0×2.0mm、3.5×2.8mm、5.0×5.0mm
SIZE: 2.0×2.0mm、3.5×2.8mm、5.0×5.0mm
产品特点：对比度高、功耗低、可靠性高
Product Feature: High Contrast、low power consumption、high reliability



功率型LED High Power LED

产品用途：可应用于家庭、道路、建筑照明、各类装饰照明、汽车、飞机照明等

Application: Home Lighting、Street Lighting、Building Lighting、Decorative Lighting、Automotive Lighting、Plane Lighting, etc.

产品特点：光效高、可靠性高、寿命长、热阻小

Feature: high luminous intensity、high reliability、long lifespan、low thermal resistance

功率等级：0.5W、1W、2W

Power: 0.5W、1W、2W

外形尺寸：6.0×7.0×3.8mm、3.5×3.5×2.0mm

Size: 6.0×7.0×3.8mm、3.5×3.5×2.0mm

COB LED

产品用途：可应用于各种商业照明、室外照明等

Application: Commercial lighting, Outdoor lighting, etc

产品特点：光通高、可靠性高、出光均匀

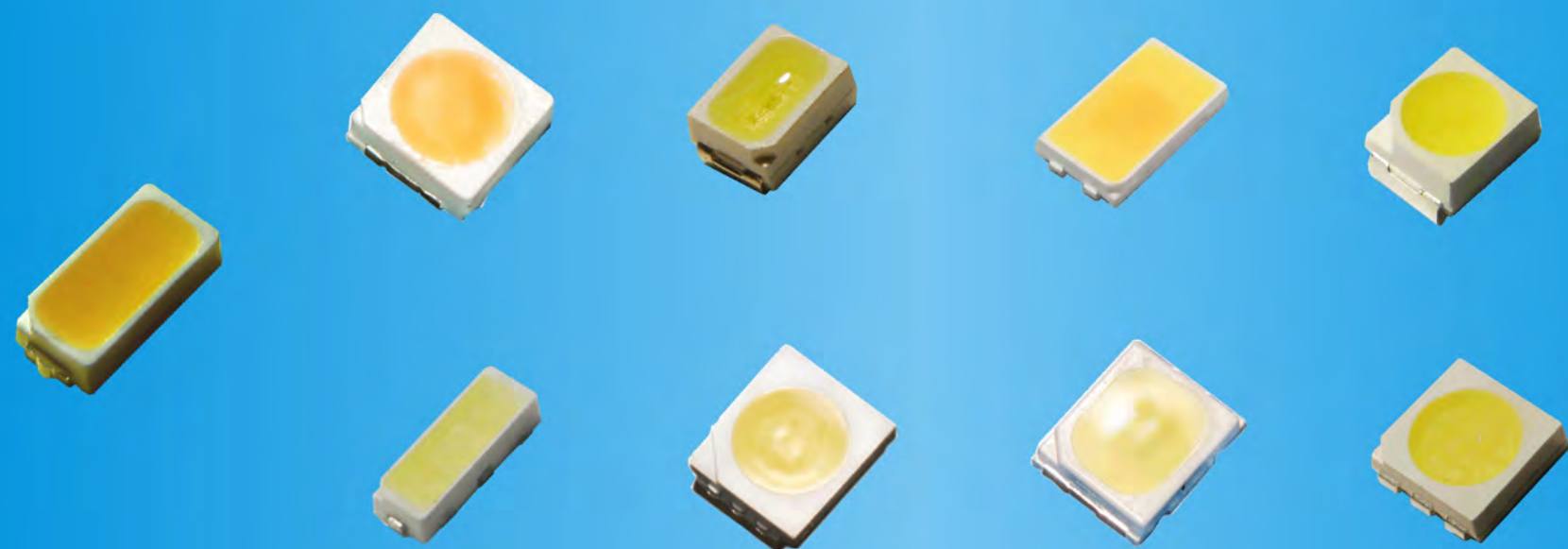
Feature: High luminous flux、high reliability、even light output

功耗等级：3-7W、10-18W

Power: 3-7W、10-18W

外形尺寸：12.0×15.0mm、17.0×23.0mm

Size: 12.0×15.0mm、17.0×23.0mm



TOP LED-白光
Top LED-White Light

产品用途：广泛应用于各种商业照明、装饰照明、背光等

Application: Commercial lighting、Decorative lighting、Backlighting, etc.

外形尺寸：2.1×2.1×0.7mm、3.0×1.4×0.7mm、3.0×2.0×1.3mm、4.0×1.4×0.8mm、

3.5×2.8×1.0 (1.9/0.7) mm、5.0×5.0×1.6mm、5.6×3.0×0.9mm

Size: 2.1×2.1×0.7mm、3.0×1.4×0.7mm、3.0×2.0×1.3mm、4.0×1.4×0.8mm、

3.5×2.8×1.0 (1.9/0.7) mm、5.0×5.0×1.6mm、5.6×3.0×0.9mm

产品特点：光通量高、功耗低、可靠性高、寿命长

Feature: High luminous flux、low energy consumption、high reliability、long lifespan



LED组件篇
LED MODULES

我们的光，就在您身边
OUR LIGHT IS WITH YOU

温暖的光亮，贴心的照耀，国星一直在您左右……
Considerate and Caring, NationStar is always
at your hand with you and for you...



LED背光源 LED Backlight Modules

广泛应用于手机、游戏机、MP4等各类LCD显示屏的背光照明。
Widely used in mobile phone、game consoles、MP4, and various types of LCD display backlight.

LED显示模块 LED Display Modules

产品用途：用于空调、热水器等各种家用电器，仪表等数字显示和其他信息的显示
Application: Display time, digit and other messages for air conditioner, water heater, household appliance, office equipment, dashboard, and etc.
产品特点：色彩鲜艳，结构新颖，功耗低，寿命长
Feature: Colorful and attractive, excellent durability and reliability, low power consumption, long lifespan.
显示颜色：红、黄、绿、橙、蓝、白
Display Colours: Red, Green, Yellow, Orange, Blue, White



LED照明篇
LED LIGHTING PRODUCTS

因为光，世界亮
Light, Makes the World beautiful
空间的灵动，城市的表情，是国星在添光……
NationStar Lights Up the Activatiing City...



LED面板灯系列
LED Panel Light Series



LED日光管系列
LED Tube Series



LED球泡灯系列
LED Bulb Series



LED射灯系列
LED Spotlight Series



LED筒灯系列
LED Downlight Series



LED工矿灯系列
LED High Bay Series



LED路灯系列
LED Street Light Series



LED隧道灯系列
LED Tunnel Light Series



LED台灯系列
LED Reading Light Series



LED手电筒系列
LED Flash Light Series



LED光源模块系列
LED Modules Series



LED灯条系列
LED Strips Series



LED洗墙灯系列
LED Wall Washer Light Series



LED投光灯系列
LED Flood Light Series

结束语 AFTERWORD

每一次光明的演进，都推动了人类历史的进步。

EVERY EVOLUTION OF LIGHT HAS PUSHED THE HUMAN HISTORY GOING FORWARD.

火把与LED，两者之间，跨越了多少篇人类史纲，经历了多少个人类世代。光明的演进，是人类历史的最佳标注之一，每一次划时代的革新，总有光明的突破，它总是与推动历史进步的佼佼者一起出现。人类的历史如潮水一般，往前推进，下一个光明时代，LED将成为历史记载者的代表，这个时代已经来临……

The evolution from fire torch to LED ran through tens of centuries. The progress of luminosity is one of the most outstanding marks in human history. Epoch-making innovation was always achieved with the times leader who pushed forward the human history. Just like the tide, human history is moving forward. Next light generation, LED will be no doubt the representative of the history maker. This era is already here...

