



深圳市斯派克光电科技有限公司  
Shenzhen Spark Optoelectronics S&T Co.,Ltd

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YOUR LIGHT  
WE CARE





专业大功率LED照明知名品牌  
Professional high power LED lighting  
well-known brand

全球太阳能LED照明解决方案合作伙伴  
Global solar LED lighting solution partner

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总裁：吴峰

## MANAGEMENT'S STATEMENT

### 总裁寄语

深圳市斯派克光电科技有限公司成立于2000年3月，是一家以科技技术为立足点，着眼全球市场的国家高新技术企业，现已建有国内先进的国家照明产业化基地、广东省照明工程技术中心、国家(CNAS认可)光电实验室，且积极推动和参与省市、行业、国家照明标准的制定，构建起集户外大功率LED照明及太阳能LED照明研发、生产、销售、节能服务、照明工程、能源管理为一体的综合照明产业集团。斯派克光电践行绿色低碳生活的时代趋势，依托LED新型光源的优势，源源不断地推出满足市场需求的高效节能产品。十七年来，斯派克光电已成长为中国乃至国际照明领域的标杆企业、专业的LED照明综合解决方案合作商。

“品质、诚信、创新、服务”是斯派克人的核心价值观，我们坚信：品质是企业的生存之道，诚信是企业的立足之本，创新使企业能持续发展，服务使最大化的客户价值得以实现。斯派克人一直以“斯派克光电，照亮绿色生活”为使命，以自己“务实高效、敬业奉献”的工作作风，踏踏实实做好每一件工作，力求产品从设计到制造的每个环节都精益求精、追求卓越，以实际行动践行着企业、员工、合作方和社会价值的和谐与共赢！为“打造世界知名照明企业，弘扬斯派克企业文化精神”的企业愿景努力奋斗。

在此，再次衷心地感谢社会各界的支持和厚爱，我们真诚地期望在今后的日子中，能与各界朋友更加友好地携手并进、共创宏图！相信您的关注与支持下，未来的斯派克光电必将取得更好的成绩！

签名：吴峰

Shenzhen Spark Optoelectronics S&T Co., Ltd., founded in March 2000, which is a National High-tech Enterprise based in the science and technology, focusing on national high-tech enterprises in global market, now we have a domestic leading national lighting industrialization base, the lighting engineering technology center of Guangdong Province, national (CNAS) photoelectric laboratory, and actively promote and participate in the development of industries, provinces and cities, national lighting standard, build up a comprehensive lighting industry group of LED research and development, production, sales, energy management services, lighting engineering, project. Spark fulfills green, low-carbon life trend, relying on the advantage of new LED light source, continuously meet the market demand of high efficiency and energy saving products. Since 17 years, Spark has become Chinese and international benchmarking enterprise, a professional LED lighting comprehensive solution provider.

“Quality, Integrity, Innovation, Service” are the core values of Spark. We firmly believe that quality is the survival of the enterprise, integrity is the enterprise foothold, innovation makes the enterprise sustainable development, service maximize customer value. Spark has always regarded “Your light, we care” as the mission, with it's pragmatic and efficient, dedication' work style, steadfast to do a good job of every thing, every link to products from design to manufacturing excellence, the pursuit of excellence. With practical action to practice the enterprise, employees, partners and social value of harmony and win-win! Strive for 'Becoming the world famous lighting company, carrying forward the culture of Spark spirits' enterprise vision.

Here, once again sincerely thank all your support and the deep affection, we sincerely expect to be more closely with partners hand in hand、create future! Believe that with your cooperation and support, Spark will make significant achievement in the future!



# Enterprise Article

## 企业篇

人与自然和谐相处，是人类得以生存和发展的最终选择。服务绿色生活是斯派克光电与自然和谐共生的开始。斯派克光电自诞生以来，一直以实际行动和合作伙伴践行着人类的绿色誓言，同时履行着“斯派克光电，照亮绿色生活”的企业使命。

Fulfill the enterprise mission, serving the green life  
Harmony between man and nature, it is the choice of human survival and development.  
Spark keep fulfilling humans' green oath with business partner by practical action and carrying on the enterprise mission of "Your light, we care" at the same time.



公司总部/Headquarter



生产基地/Manu facturing Base

## ABOUT US 关于我们

深圳市斯派克光电科技有限公司成立于2000年3月，是一家集户外大功率LED照明及太阳能LED照明研发、生产、销售为一体的国家级高新技术企业、商务部AAA级信用企业、深圳知名品牌；主要经营LED道路照明、工业照明、特种照明、室内照明、照明工程、节能服务及能源管理；拥有国家级合同能源管理备案企业资质、国家级（CNAS认可）光电实验室、省部级工程技术中心、城市及道路照明工程三级施工资质，是中国最大的户外LED照明、太阳能LED照明的供应商、出口商、综合节能服务商之一。

公司率先在半导体照明行业通过SGS权威认证的ISO9001质量管理体系、ISO14001环境体系和OHSAS18001职业健康体系认证；不仅制定有LED路灯、LED隧道灯、LED工矿灯等产品企业标准,还参与了行业及省市、国家LED照明标准的起草和制定；公司所生产的LED照明产品通过国家、省、市等权威机构专业检测，太阳能LED路灯、隧道灯、防爆灯等系列产品均获CCC、CQC节能认证，以及CE、ROHS、UL、VDE、FCC、PSE等国际认证。

公司自创立“SPARK/斯派克”品牌以来，凭借雄厚的研发实力和专业的技术团队，依托在光电行业里丰富的经验，源源不断地推出满足用户动态需求的新产品，始终走在行业发展的前列。目前斯派克光电的市场服务网络已覆盖了欧洲、美洲、非洲、大洋洲、东南亚、中东等150多个国家和地区，同时在国内占有领先的市场份额。

Shenzhen Spark Optoelectronics S&T Co., Ltd founded in March 2000, specializing in R&D, manufacturing and marketing of outdoor high power LED lighting and solar energy LED lighting products. Honored as National High-tech Enterprise, AAA Grade Credit Enterprise, Shenzhen Top-brand Enterprise, Spark Mainly focus on LED road lighting, industrial lighting, special lighting, indoor lighting, lighting projects, energy saving and energy management. We are qualified as state-level EMC record enterprise, owning CNAS approval national-level optoelectronics laboratory, provincial engineering technology center, class 3 urban and road lighting engineering contracting qualification. Spark is one of largest LED outdoor lighting and solar LED lighting solution supplier, exporter, and comprehensive energy service provider in China.

We take the lead to be certified by ISO9001 Quality Management System, ISO14001 Environmental Management System and OHSAS18001 Occupational Health System Certification in semiconductor lighting industry in China. We not only formulate enterprise standards of LED street Light, LED Tunnel Light, LED High Bay and so on, but also participate in drafting and formulating standards for the industry, including municipal, provincial, national LED lighting standards. Our whole range LED lighting products have been awarded with certification from national, provincial, municipal authoritative organizations. Our solar energy LED street light, tunnel light, explosion proof light and other lighting products get national certification of CCC, CQC, also get international certificates such as CE, ROHS, UL, VDE, FCC, PSE etc.

Since the establishment of our own brand “ SPARK ”, with strong R&D capability, professional technical team and rich experience in the field, Spark has been continuously launching new products to meet customer dynamic demand, always run at the forefront of industry development. Till now our marketing service network has covered 150 countries and regions including Europe, America, Oceania, Africa, Southeast Asia, the Middle East, also occupy a leading market share in domestic market.



# ENTERPRISE VISION

企业愿景



## 打造世界知名照明企业，弘扬斯派克企业文化精神

斯派克光电践行着“品质、创新、诚信、服务”的核心价值观，努力构建企业、员工、合作方的多赢，追寻实现伟大的企业梦。

奋发向上的斯派克人，更加以务实高效、敬业奉献的工作作风，为实现“打造世界知名照明企业，弘扬斯派克企业文化精神”的企业愿景努力奋斗！

### Building a World Renowned Lighting Brand, Promoting SPARK corporate Culture Spirit

SPARK is practicing the core value of “quality, innovation, integrity and service”, making effort to build the win a win-win cooperation between , employees and partners, and seeking to realize dream of becoming a great enterprise.

Spark will strive to achieve the enterprise vision “Building a World Renowned Lighting Brand, Promoting SPARK Corporate Culture Spirit” with more realistic and efficient work, dedicating to work style.



# ENTERPRISE CULTURE

## 企业文化

**企业使命**  
斯派克光电 照亮绿色生活

**Enterprise mission**  
Your light, we care

**核心价值观**  
品质 创新 诚信 服务

**Core value**  
Quality, Innovation, Integrity, Service

**企业核心竞争力**  
品质文化 技术创新 真诚服务

**Core competence of enterprise**  
Quality culture, Technical innovation, Sincere service

**人才理念**  
德才兼备 因才适用 价值致胜 团队协作

**Talent Concept**  
Having both ability and political integrity, talent applicable, worth winning, and teamwork

**经营理念**  
市场导向 客户第一 技术领先 追求卓越

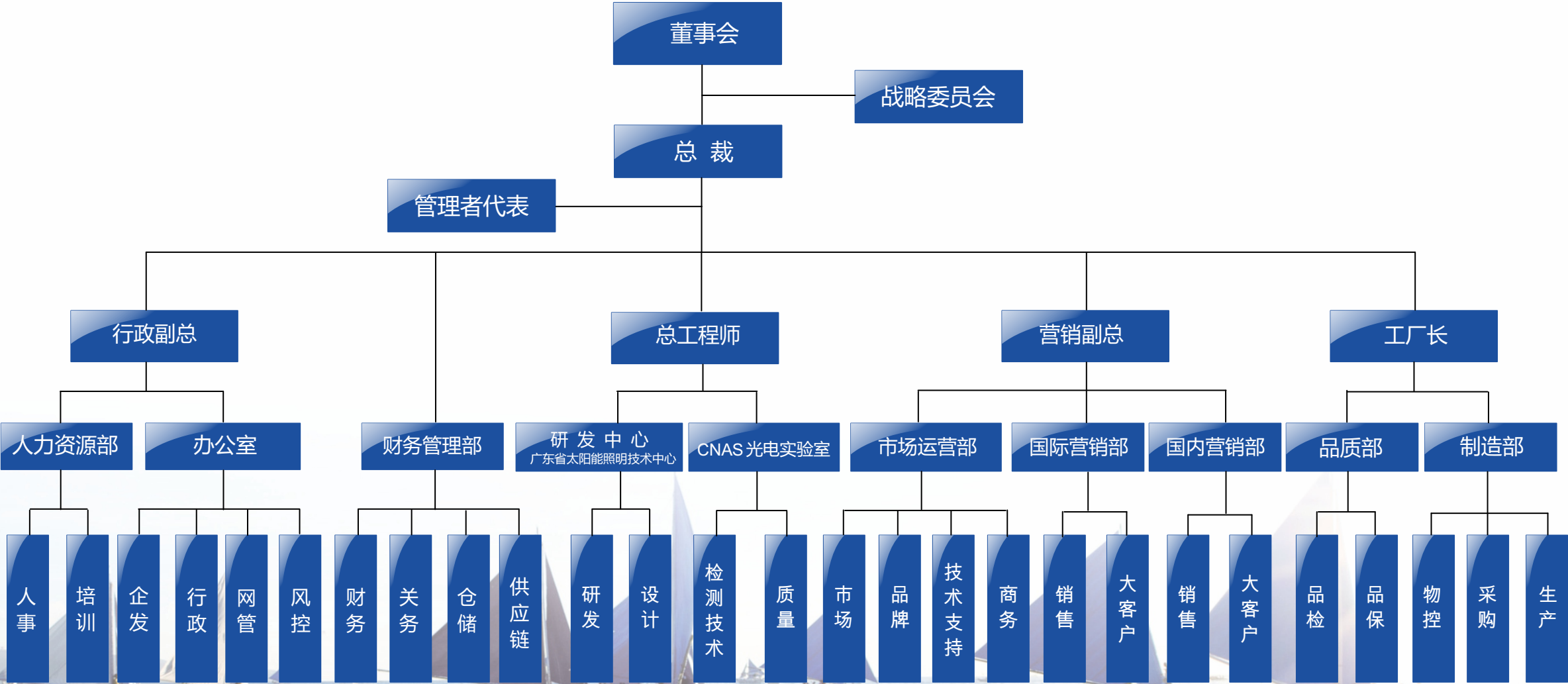
**Operation Principle**  
Market orientation, Customer orientation, Technology leading, Pursuit of excellence

**斯派克人精神**  
团结协作 信守承诺 务实高效 敢于拼搏

**Core spirits**  
Solidarity and cooperation, Keep promise, Pragmatic and efficient, Dare to struggle

# ORGANIZATIONAL STRUCTURE

## 组织架构





# SERVICE NETWORK

## 服务网络

目前斯派克光电市场服务网络已覆盖了欧洲、美洲、亚洲、非洲、大洋洲、东南亚、中东等150多个国家和地区，同时秉承国家“一带一路”发展战略，承担了众多国家级援外照明项目。

Now shenzhen Spark Optoelectronics S&T Co., Ltd Market Service Network has covered more than 150 countries and regions in Europe, America, Asia, Africa, Oceania, Southeast Asia and Middle East, At the same time Adhering to the national "One Belt and One Road" development strategy, commitment to a number of state-level foreign aid lighting projects.



# AWARDS AND CERTIFICATES

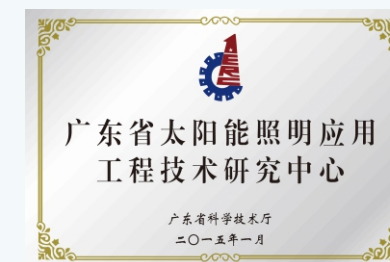
## 资质荣誉



国家级高新技术企业  
National High-Tech Enterprise



国家 (CNAS认可) 光电实验室  
National Optoelectronics Laboratory  
(CNAS recognized)



广东省太阳能照明应用工程技术  
研究中心  
Solar lighting application and engineering  
research center of Guangdong province



国家发改委第二批节能管理备案企业  
the second batch of record companies  
approved by national development and  
reform commission (NDRC) for  
energy-saving management



城市及道路照明工程三级承包资质  
City and road lighting project three Grade  
contracting qualification



中国海关A类管理企业  
China customs class A  
management enterprise



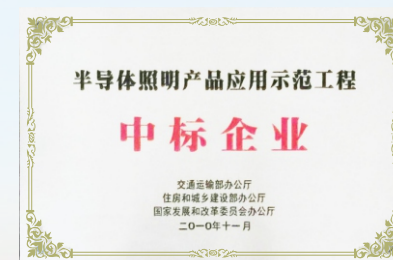
商务部企业信用评价AAA级信用企业  
Credit evaluation AAA grade enterprise  
from the commerceministry



广东省守合同重信用企业  
Enterprise of Good Credit in  
Guangdong province



诚信示范企业  
Credibility and Integrity  
Demonstration Enterprise



三部委半导体照明产品应用示  
范工程中标企业  
Enterprise win qualification to do LED lighting  
products application and demonstration  
pilot project by 3 Ministers



中国绿色照明教育示范基地  
China green lighting education  
demonstration base



深圳知识产权优势企业  
Shenzhen intellectual property  
advanced enterprise



# Technical Article

## 技术篇

斯派克光电建有业内先进的深圳太阳能半导体照明技术工程实验室、广东省太阳能应用工程技术研究中心以及国家（CNAS认可）光电实验室，拥有强大的科研团队，为企业产品的研发、技术支持、产品检测及质量保障，为企业承担国家重大科研课题、制定行业标准等提供雄厚支撑。

Spark Optoelectronic built an advanced laboratory of Shenzhen solar semiconductor lighting technology engineering, solar lighting application engineering technology research center of Guangdong province and optoelectronics laboratory at the national level (CNAS approval) in the industry, which owns a strong scientific research team to provide strong technical support for the R&D of enterprise products, technical support, product inspection and quality guarantee, as well as for enterprises to undertake national major scientific research topic and set the industry standard.

## R&D TEAM

### 研发团队

斯派克光电建有国内先进的国家（CNAS认可）光电实验室暨广东省太阳能照明应用技术研究中心，拥有以博士、硕士、照明高级工程师为骨干的研发团队，专业涵盖：照明领域的半导体光学应用、智能驱动、散热系统、太阳能、风光互补、智能控制系统、能源管理系统等学科；全面开展道路照明、太阳能照明、工业照明、特种照明、室内照明、节能服务及能源管理等领域的技术研发及应用。

公司有省部企业科技特派员派驻单位，长期与中科院、清华大学、香港理工大学、华南师范大学、广东工业大学建立产学研合作，广泛开展科技研发合作项目。

SPARK own a leading National Optoelectronics lab(CNAS approval) and Guangdong Provincial Solar Lighting Application Technology Research Center, R & D testing area of nearly 2,000 square meters and it has a research and development group of backbone which includes doctorate degree, master's degree or lighting senior engineer to carry out a comprehensive road lighting, industrial lighting, specialty lighting, technology development and application of indoor lighting, energy services and energy management and other areas. In terms of R & D major, with a number of high-quality scientific and technological research and development personnel, professional electronic information involves a number of disciplines, solar, semiconductor, thermal, mechanical and electrical integration, industrial design, environmental engineering, computer applications, material analysis.

SPARK have build long-term cooperation relationship with Chinese Academy of Sciences, Tsinghua University, Hong Kong Polytechnic University, South China Normal University, Guangdong University of school-enterprise.





# TEST INSTRUMENT

## 研发检测设备



深圳市斯派克光电实验室建立于2007年12月，主要用于企业照明产品研发、技术支持和产品检测及质量保障。2011年12月在斯派克光电实验室的基础上，由深圳市发展和改革委员会、深圳市科技创新委员会、深圳市财政委员会联合评审通过扩建为“深圳太阳能半导体照明技术工程实验室”。2014年6月，该实验室被认定为国家（CNAS认可）光电实验室，证书号码（CNAS L6963）。

斯派克光电国家（CNAS认可）光电实验室拥有面积1200平方米光电实验大楼和800平方米太阳能半导体照明产品公共测试平台及科学研究平台，是业内设备齐全，检查项目全面的光电实验室。检测项目覆盖14个大类，70多个中英文检测标准：包括灯具安全要求、灯具光度和性能要求、控制装置的安全和性能要求、自镇流LED灯的安全和性能要求、LED模块的安全和性能要求、道路照明用LED灯的性能要求、灯和灯系统的光生物安全性、电子电器及电气照明和类似设备的电磁兼容性、光伏组件、铅酸蓄电池性能和可靠性等。

Shenzhen Spark Optoelectronics Laboratory was established in December 2007, mainly for business lighting product development, technical support and product testing and quality assurance. In December 2011, the Shenzhen Municipal Development and Reform Commission, the Shenzhen Municipal Science and Technology Innovation Council, Finance Committee, Shenzhen joint assessment by the expansion of the "Shenzhen solar semiconductor lighting technology engineering laboratory" based on the Spark Optoelectronics Laboratory. In June 2014, the laboratory has been recognized as National Optoelectronics lab(CNAS approval), Certificate Number: CNAS L6963.

SPARK CNAS laboratory has an area of optoelectronics lab building with 1200 square meters and solar semiconductor lighting products public test platform and scientific research platform with 800 square meters, which owns an optoelectronics lab with complete equipment and its inspection project is also complete. Test items covering 14 categories, more than 70 Chinese and English testing standards: Safety requirements including lamps, luminaires and performance requirements, controlling security and performance requirements of the device, self-ballasted safety and performance requirements of LED lights, LED modules security and performance requirements, performance requirements for road lighting LED lights, lamps and lamp systems electromagnetic compatibility photo biological safety, electronics and electrical lighting and similar equipment, photovoltaic modules, lead-acid battery performance and reliability.

# TECHNOLOGY ACHIEVEMENT

## 科技成果

斯派克国家（CNAS认可）光电实验室暨深圳太阳能半导体照明实验室、企业研发中心暨广东省太阳能照明应用技术研发中心先后承担了国家火炬计划、国家半导体照明应用示范、广东省重大科技专项、省产学研、深圳市技术攻关等各类课题10多项，为推进LED技术创新和LED照明应用产业化做出贡献。

Spark optoelectronics laboratory at the national level (CNAS recognition) as Shenzhen solar semiconductor lighting lab and enterprise research center as solar lighting application technology research center of Guangdong province successively undertook over 10 projects of the national torch program, national semiconductor lighting application demonstration, major scientific and technologic specific projects of Guangdong province, science and technology of province, Shenzhen technology etc. in the LED lighting technology and promoting the industry development.

The national major science and technology projects which has been undertook

### 承担国家省市重大科技项目：

-  2010年国家住房和城乡建设部科技计划项目——大功率LED照明关键技术研究  
In 2010, National Science and Technology Program projects of housing and urban-rural construction department- key techniques research of high-power LED lighting
-  2010年国家发展和改革委员会、国家住房和城乡建设部、交通运输部三部委半导体照明产品应用示范工程项目  
In 2010, the National Development and Reform Committee, semiconductor lighting application demonstration engineering projects of national housing and urban-rural construction department, ministry of transportation
-  2010年广东省重大科技计划项目——大功率LED路灯高效散热及其关键技术研究  
In 2010, Major Science and Technology Program projects of Guangdong province-efficient heat dissipation and key technology research of high-power LED street light
-  2011年国家火炬计划项目——高智能化LED路灯产业化项目  
In 2011, the National Torch Program Projects--industrialization project of high intelligent LED street light
-  2011年中央预算内投资项目——半导体照明技术和高效节能产品产业化项目  
In 2011, the Central Budget Investment Projects--semiconductor lighting technology and industrialization project of high efficiency and energy-saving products
-  2012年国家财政部半导体照明产品财政补贴推广项目  
In 2012, Fiscal Subsidies Promotion Project of semiconductor lighting products from state financial department
-  2012年深圳市科技计划项目——高光效大功率LED路灯的研发  
In 2012, Shenzhen Science and Technology Program Projects--research and development of high efficiency and high power LED street lights
-  2013年广东省产学研结合项目——组网式风光互补LED照明系统及其关键技术研究  
In 2013, Guangdong Province University-industry Cooperation Project - network type scenery complementary LED lighting system and its key technology research
-  2013年深圳市科技创新项目——智能化LED路灯关键技术研发及产业化  
In 2013, Shenzhen Science and Technology Innovation Project-- key technology research and development and industrialization of intelligent LED street light
-  2014年国家火炬计划项目——LED隧道灯关键技术研发及产业化项目  
In 2014, the National Torch Program Projects--key technology research and industrialization projects of LED tunnel light
-  2015年深圳发展改革委循环经济减排项目——智能交通系统及产品产业化  
In 2015, Shenzhen development and reform committee recycle economy energy saving project-Intelligent traffic system and product industrialization
-  2016年科学技术奖项目——组网式风光互补LED照明系统及其关键技术  
In 2016, Science and technology Awards-network type scenery complementary LED lighting system and its key technology research



# INTELLECTUAL PROPERTY RIGHTS

## 知识产权布局

在“光电、散热、智能化电源驱动、太阳能风光互补、智能控制系统、能源管理系统”等关键性领域的突破性核心专利100多项。

斯派克光电仅在LED路灯领域拥有的专利数量已占深圳总授权LED路灯专利总量的28%以上，LED照明领域核心专利数量也占到深圳总授权专利总量的15%以上，其中数项发明专利获得省部级科学技术（专利）奖，知识产权拥有量处于行业靠前地位。

自主研发的多项产品被评为广东省高新技术产品、广东省重点新产品、国家标准委国际标准化认可产品、国家火炬计划产品等荣誉和认证。

SPARK has owned more than 100 core patents, “photoelectric, heat dissipation, intelligent power driver, solar lighting, intelligent control, energy management system”

The number of LED street light patents which SPARK owns is more than 28% of the amount of Shenzhen authorized, and the number of LED lighting industry core patents is more than 15% of the amount of Shenzhen authorized. of which numbers of patent for invention obtain the provincial science and technology(patent) award. The main products are awarded as the high-tech products of Guangdong province, the major and new products of Guangdong province, the international standardization recognized products of the national standard committee, national torch plan product and other honor and certificates

ICS 27.010  
F 01

# 中华人民共和国国家标准

GB/T 31348—2014

## 节能量测量和验证技术要求 照明系统

Technical requirements of measurement and verification of  
energy savings—Lighting system

## INDUSTRY STANDARD

### 制定行业标准

斯派克光电是中国LED照明行业内率先推出LED照明产品企业标准的主要企业之一。斯派克光电积极参与到全国LED照明行业技术标准、LED道路照明标准以及LED照明能效标准等制定工作中，参与及主导起草修订省市、行业及国家照明标准30多项。

Spark Optoelectronics is one of the main enterprises which put forward the standard of LED lighting products for enterprises in the LED lighting industry in China. Spark takes an active in the works of making national LED lighting industry technologic standard、LED road lighting standards and LED lighting energy efficiency standards and participates and orients in the drafting and revision of more than 30 lighting standards of provinces and cities, and industry and nation.



中华人民共和国国家质量监督检验检疫总局 发布  
中国国家标准化管理委员会

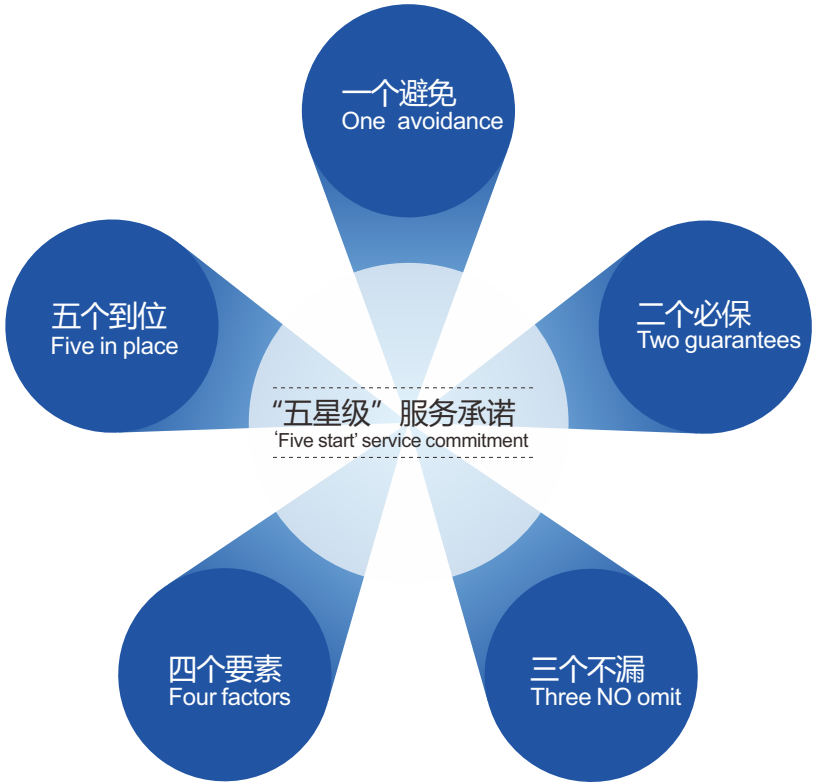


# Action Article

## 行动篇

公司始终遵循客户需求为先，客户满意为重的服务宗旨。建立了一个有效保证企业可持续发展的客户服务支撑体系，以实现客户与公司和谐发展，共赢双赢的目标。

Spark always follow "the customer demand & satisfaction first" as the most important service. Establish an service support system which can guarantee the enterprise sustainable development. In order to achieve the goal of harmonious development & win-win between enter-prise and client.



### 一个避免：

避免用户为同一问题拨打第二次电话；

### One avoidance

Avoid user for the same problem to call a second time



### 二个必保：

必须保证提供产品销售支持；  
必须保证销售环节无串货，无侵犯经销商利益；

### Two guarantees

Must guarantee product selling support  
Must guarantee no conflict with dealer benefit



### 三个不漏：

一个不漏地记录顾客来电； 一个不漏地解决顾客问题；  
一个不漏地跟踪问题处理结果；

### Three NO omit

No omit record the customer calls  
No omit solve customer's problems  
No omit track every problems and deal with problems carefully



### 四个要素：

工作要主动；关怀要真诚；反应要快捷；服务要周到；

### Four factors

Work actively; Caring sincerely  
Response rapidly; Considerate



### 五个到位：

服务态度到位；服务思想到位；服务技术到位；  
服务管理到位；服务行动到位。

### Five service cores

Service attitude, Service idea,  
Service technology,  
Service management, Service action



# CONTROL QUALITY

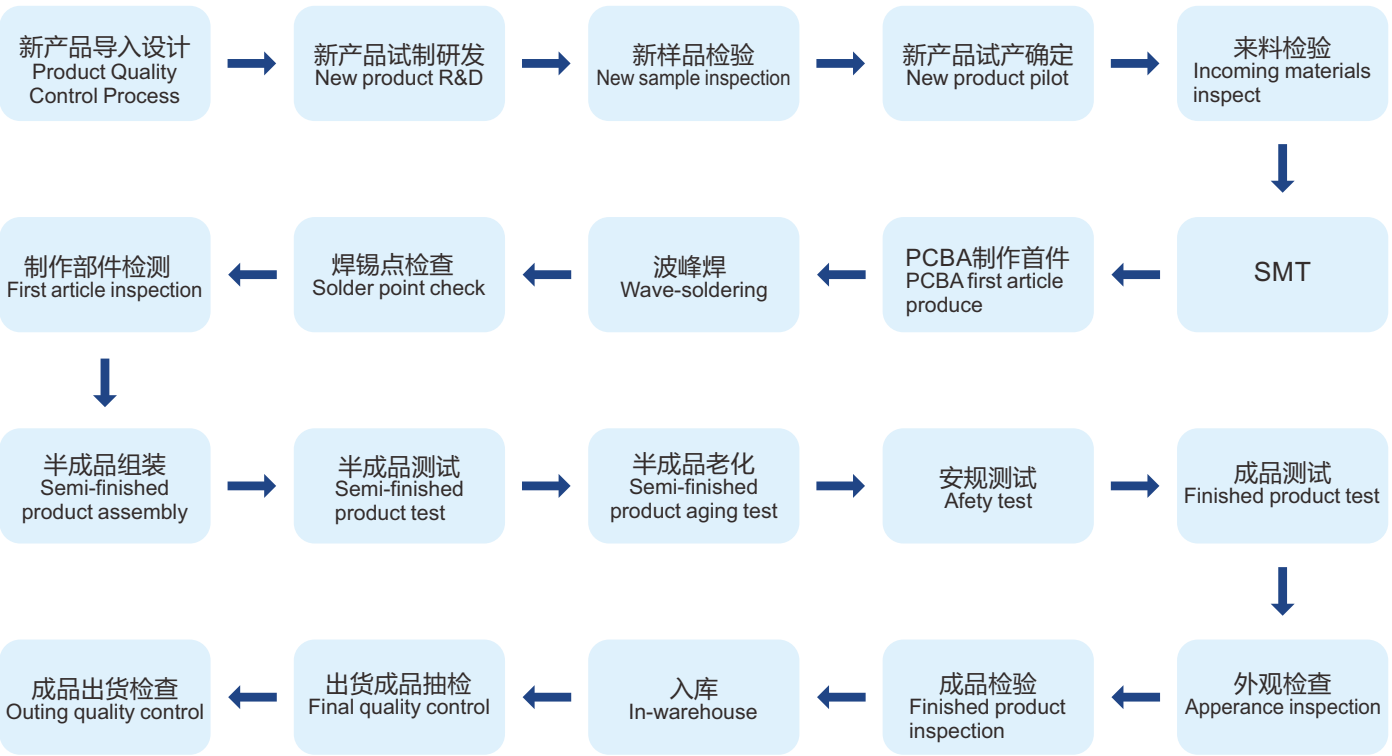
## 以质取胜

为解除顾客后顾之忧，斯派克光电非常重视产品质量管理。产品质量管理方面，率先在LED照明行业中通过ISO9001质量管理体系、ISO14001环境体系和OHSAS180001职业健康安全认证；产品品质管控方面严格按照国际质量标准要求执行，确保每一环节符合国际标准，保障出厂产品100%合格。因此，公司所产生的各类LED灯具均通过了省市和国家权威机构检测及取得CCC、CQC、美国UL、FCC、德国VDE、日本PSE、欧盟CE、ROHS等专业认证。同时被中国标准化委员会、广东省质量技术监督局、广东省科技厅等政府部门授予采用国际标准产品证书、广东省采用国际标准产品证书等及被评为全国产品质量和售后服务用户满意企业。

Spark Optoelectronics pays high attention to product quality management to relieve the worry from customers. In the aspect of product quality management, it takes the lead in the LED lighting industry through ISO9001 quality management system, ISO14001 environment system and OHSAS180001 occupational health system certification; it makes sure every part is in line with international standards and guarantee that outgoing products are 100% passed in the aspect of product quality control. Therefore, every kind of LED lights company produces all go through provincial and national authoritative organization inspection and get CCC, CQC, UL, FCC, Germany VDE, Japan PSE, CE, ROHS certification and other professional certificates. At the same time it is authorized adopting international standard product certificates, adopting international standard product certificate of Guangdong province by the Chinese national committee for standardization, the quality and technical supervision of Guangdong province, Guangdong Science and Technology Department and other government departments and was also evaluated as the national product quality and after-sales service customer satisfaction enterprise.

### Product Quality Control Process:

#### 产品品质控制流程：



# SERVICE STRATEGY

## 服务策略



## Pre-sales support

### 售前服务

根据客户的要求，配备专业的技术团队，双方共同拟订实施计划，充分考虑用户在系统功能、质量方面的要求，拟定具体设计、深化图纸，提供最佳照明方案。

According to the requirements of customers, both sides formulate implementation plans, give full consideration to the user in the system function, quality requirements, formulate specific design, solutions, and provide the engineer's technical solution.

## Medium-sales service

### 售中服务

在产品安装使用前，配合客户指派人员到公司生产基地了解情况，检查产品质量。经采购人验收系统合格后交付使用，系统的设计和施工严格按合同要求和国家有关部门标准实施。具备照明施工资质，可安排工程技术人员现场安装指导，以保证工程进度及施工质量。对产品的安装、性能考核、验收提供正确和充分的技术服务和培训。

Before the product installation, cooperate with the customer to send personnel to company production base to know about the situation and check the quality of the product. Have lighting construction qualification, can arrange engineering technical personnel on-site installation instruction, to ensure the construction quality and construction schedule. Provide correct and full technical service and training for the installation of the product, performance appraisal, inspection and acceptance.

## After-sales service

### 售后服务

定期回访了解工程后期情况。自产品安装验收之日起提供产品及附件维护，并提供良好的技术支持及备品备件的优惠供应。24小时400免费电话服务。48小时内予以回应解决。

Regular return visit to know engineering late situation Since the date of acceptance of the product. products and accessories maintenance is provided, and good technical support and supply of spare parts. 24 hours hotline service



# SOLUTION PROVIDING SYSTEM

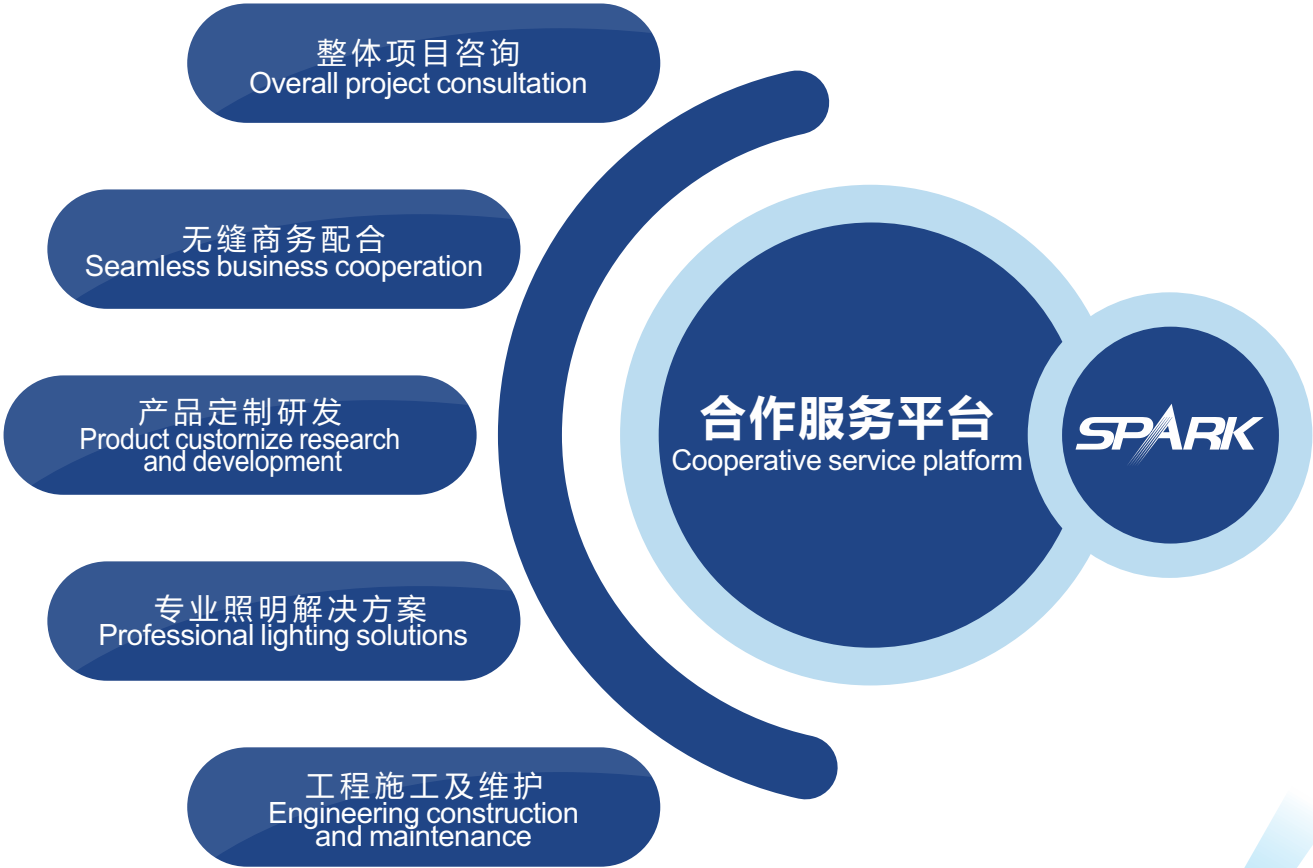
照明解决方案实施路径

# Application Article

## 应用篇

斯派克/SPARK品牌的照明产品和解决方案已行销中国及世界150多个国家与地区，在解决基础设施大功率LED道路照明、工业照明、太阳能LED照明和特种照明等领域为客户提供了专业化、人性化和高效率的照明方案，实现了经济效益和社会价值的双赢。

SPARK brand lighting products and solutions have been marketing China and the world more than 150 countries and regions. In the settlement of infrastructure high-power LED road lighting, industrial lighting, solar LED lighting and special lighting and other fields to provide customers with a professional, humane and efficient lighting program, to achieve a win-win economic and social value.







广东东莞·城市道路照明项目

Dongguan city road lighting project in Guangdong Province



匈牙利杰尔·城市道路照明项目

City Road lighting project in Hungary

# Road lighting solutions

## 道路照明解决方案

在道路上设置照明器给车辆和行人提供必要的能见度，改善交通条件，减轻驾驶员疲劳。斯派克光电模组化路灯采用独立光学透镜，实现独立配光，满足不同区域的照明需求，降低用电及维护成本。

Spark provide vehicles and pedestrians with necessary visibility by setting illuminator on the road, improve traffic conditions and reduce driver's fatigue. Spark modularization street lights use independent optical lenses, realize the independent light distribution, meet the lighting demand of different areas, reduce electricity and maintain costs.



广东深圳龙华新区·城市道路照明项目

Guangdong shenzhen longhua big wave road lighting project



匈牙利布达佩斯·城市道路照明项目

City Road lighting project in Hungary





**巴基斯坦卡拉奇·一体化太阳能路灯照明工程**  
Karachi, Pakistan:: integration of solar illumination engineering

## LED solar system solution

### 太阳能LED照明解决方案

未来，安全、环保的太阳能是能源发展的必然趋势，而太阳能技术将成为一项核心技术。斯派克光电是太阳能LED照明系统解决方案领军企业，拥有广东省太阳能照明应用工程技术研究中心，自主建有深圳太阳能半导体照明技术工程实验室暨国家（CNAS认可）光电实验室，为太阳能LED照明系统解决方案设计、制造、检验检测等工序提供强大的技术支撑。



**云南德钦县·LED太阳能道路照明项目**  
Yunnan Di Qing Zhou Solar Street lamp Lighting Project



**哈萨克斯坦·分体式太阳能路灯照明项目**  
Kazakhstan seperated type Solar Street lamp Lighting Project

Future, safe, environmentally solar energy development is an inevitable trend, and solar technology will become a core technology. Spark is the leader enterprise of LED Solar LED lighting system, own solar lighting application engineering technology research center of Guangdong Province, established Spark Optoelectronics Laboratory (national CNAS approval) Shenzhen Municipal solar semiconductor Lighting Laboratory, provide a strong technical support for Solar LED lighting system design, manufacture, inspection and other processes.



**缅甸蒙育瓦莱比塘铜矿·分体式太阳能路灯照明项目**  
Myanmar seperated type Solar Street lamp Lighting Project





吉林长春·长吉图高速隧道群照明项目  
Changjitu highway tunnel group lighting projects in Jilin Province



江西井冈山·井睦高速井冈山隧道照明项目  
Jingmu highway led tunnel lighting Project in Jinggangshan, Jiangxi Province

## Tunnel lighting solutions

### 隧道照明解决方案

隧道照明设计须考虑人的明顺应和暗顺应要素，注重过渡段和过渡段的照明设计，满足驾驶人员眼睛顺应性请求，确保交通安全。斯派克光电始终以“人性化”为出发点，针对性地营造不同环境下安全舒适的照明环境。



云南德钦县·白马雪山隧道照明工程项目  
Baima snow mountain tunnel lighting engineering demonstration project in yunnan

Tunnel lighting design must be consider person's conform of the brightness and darkness, focus on lighting design in transition and transition section, in order to ensure traffic safety the light must meet the adaptability of driver's eyes. Spark has always been to "humanization" as the starting point, construct safe and comfortable lighting environments according to different conditions.



浙江·诸永高速隧道照明项目  
Zhuyong highway led tunnel lighting project in Zhejiang Province



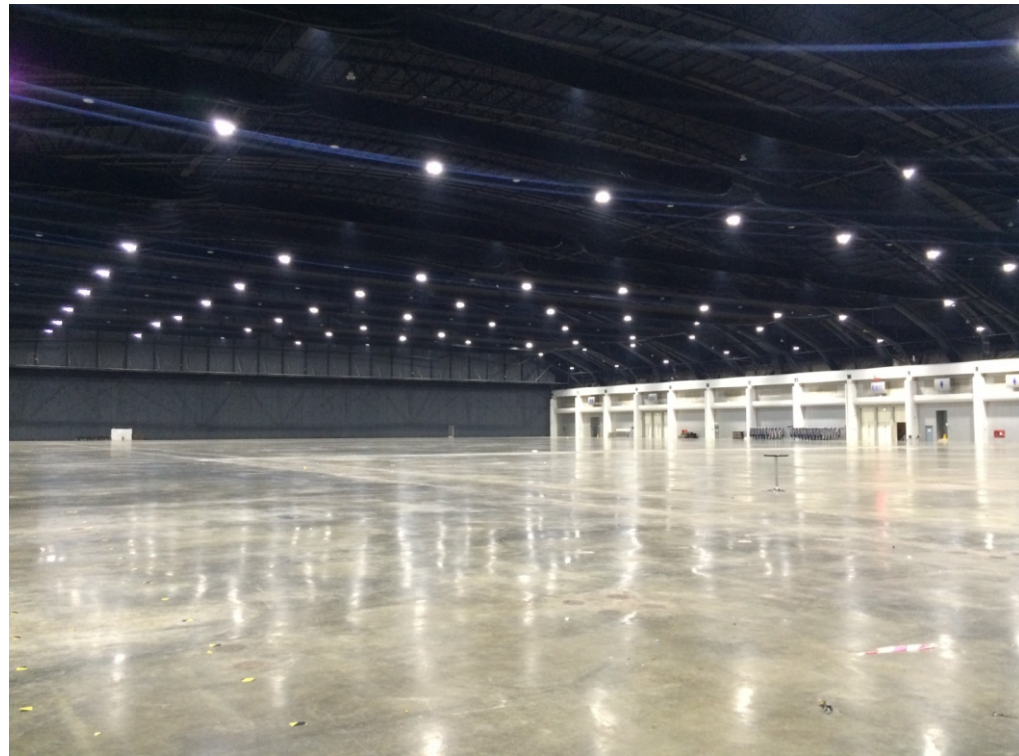


日本仙台·仓库照明项目  
Sendai warehouse lighting project in Japan

## Industrial Lighting solution

### 工业照明解决方案

LED工业照明主要是车间、厂房、库房、机场、港口等场所的LED光源照明，工业照明应在达到合适照度的情况下保证工人的舒适度和安全性，眩光较少，大幅度节约电费。



泰国曼谷·展览馆LED照明项目  
the United States industrial factory high bay lamp lighting project



中国深圳宝安·国际机场照明项目  
Shenzhen international airport lighting project

LED industry lighting is mainly LED source lighting of workshop, factory, warehouse, airports, ports and other places of the LED lighting, industry lighting should make sure workers' comfortability and safety in the condition of reaching appropriate illumination, less glare, save electricity significantly.



中国北方最大的综合性港口--天津港高杆灯照明项目  
The largest comprehensive port in Northern of China - Tianjin port led high mast light lighting project





深圳·地铁7号线照明项目

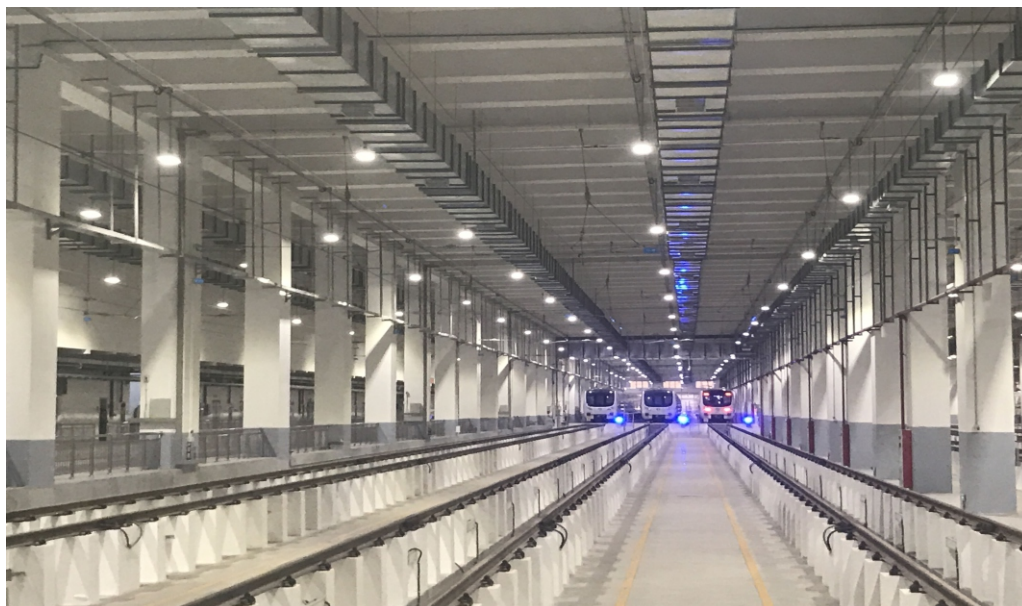
Shenzhen Metro Line 7 LED integrated energy-saving lighting project

## Orbital Lamps solution

### 轨道照明解决方案

为了研制出满足轨道交通照明使用需求的LED灯具，斯派克的研发团队在光学设计、散热、智能控制、系统集成、材料、微电子等领域投入很大的研发力量，取得了多项重大的突破性成果，形成了系统的轨道交通照明解决方案。

In order to develop to meet the needs of the use of rail traffic lighting LED lamps, SPARK, the R & D team in the optical design Heat, intelligent control, System Integration Materials, a lot of investment in the fields of micro-electronics R & D strength, achieved a major breakthrough, the formation of the rail transit system lighting solutions.



深圳·地铁·深云车辆段照明项目

Shenzhen Metro Line 7 LED integrated energy-saving lighting project



中石油加油站防爆灯照明项目

Petrochina canopy lamp lighting project in gas station

## Special lighting solution

### 特种照明解决方案

特定场所使用的照明灯具，包括交通信号灯、防爆灯，适用于交通设施、矿井、加油站、军事设施等场所。斯派克光电交通信号灯及智能控制系统、防爆灯等系列特种照明产品已经成熟面世，并通过国内和国际认证。

SPARK special luminaire used for specific places. Including traffic light, explosion-proof lamp, which apply to traffic facility, coal mine, gas stations, military facilities and other places. Spark traffic light, intelligent control system, explosion-proof lamp and other series products have been launched in the market, what's more get China and international certificate.



日本香川县·加油站防爆灯照明项目

Japan Kagawa-ken Gas Station Lamp lighting project





玻利维亚BANCO GANADERO银行照明项目  
Bolivian BANCO GANADERO bank lighting projects

## Indoor lighting solution

### 室内照明解决方案

室内照明是室内环境设计的重要组成部分，室内照明设计要有利于人的活动安全和舒适的生活。在人们的生活中，光不仅仅是室内照明的条件，而且是表达空间形态、营造环境气氛的基本元素。斯派克光电室内照明灯具，创造更人性、舒适的室内环境。



深圳交通枢纽——罗湖汽车站照明项目  
Shenzhen Traffic Hinge-----Luohu bus station lighting project.



日本Fever商场照明项目  
Japan Fever mall lighting project

Indoor lighting is an important part for indoor environment design, indoor lighting design should be good for people's activity safety and comfortable life. In people's life, light is not only the condition of indoor lighting, but also the basic elements of expressing space form and building nice environment atmosphere. Spark indoor lighting products, create more human nature and comfortable indoor environment.



玻利维亚圣克鲁斯·汉堡店照明项目  
Down light projects in Bolivia lighting project



# SPARK EVENTS

## 大事记

### 2000年—2006年

**SPARK品牌创立，LED大功率照明行业先行者**  
**Spark & Spark brand foundation, LED high-power lighting pioneer**

2000年3月诞生于中国深圳，以服务绿色生活为准则，致力成为LED照明行业推动者之一  
Founded in March 2000, ShenZhen, China; Service Green Living as its guidelines; committed to become the leader in the LED lighting industry.

斯派克/SPARK商标及品牌的建立  
Establishment of SPARK brand & trademark.

与全球众多合作伙伴建立良好的长期合作关系  
Building long-term cooperative relationship with global partners.

公司率先开拓及推广国际LED照明市场，奠定了斯派克全球化市场布局  
Pioneering the development and promotion of international LED lighting market, which leads “SPARK” Brand popular around the global market.

斯派克推动LED照明科技创新和应用，致力成为LED照明行业推动者之一  
Being among the leaders for technical innovation and application popularization of LED lighting.

### 2007年—2010年

**生产基地落成，大功率照明产品全线产业化**  
**Erection of production base, full industrialization of high-power LED lighting products**

自动化生产基地建立。拥有现代化无尘、防静电、全自动制造、精密检测等专业化车间，构建起以LED照明为主的产业体系  
Establishment of automated production base, with specialized workshops,dust-free, anti-static, automatic manufacturing, precision testing, etc, making the production base a complete unit.

斯派克光电实验室建立。用于产品研发、检测及技术支持  
Setting up its photoelectric laboratory, for product development, testing and technical support.

公司通过ISO9001质量管理体系、ISO14001环境体系等体系认证  
Certified for ISO9001 Quality Management System and ISO14001 Environmental Management System.

公司荣誉 “国家级高新技术企业” “深圳市高新技术企业” 等称号称号  
Awarded for 'National High-TechEnterprise' 'Shenzhen High-tech Enterprise'.

公司产品荣获 “深圳市自主创 新产品” ，“科技成果鉴定” 等荣誉  
Awarded for 'Shenzhen Self-renovation Product', 'Sci-tech Achievements Appraisal'.

公司率先在LED照明行业开展产学研合作。  
Pioneering in industry-university-research cooperation.

公司荣誉 “深圳知名品牌”  
Awarded for 'Shenzhen Top Brand'.

荣获 “深圳市劳动关系和谐企业”  
Winner of 'Shenzhen Harmonious Labor Relations Enterprises'.

获评 “第九届深圳企业新纪录-循环经济项目奖” 、 “2010年广东省创新纪录-优秀奖”  
Winner of The 9th Shenzhen Enterprise New Record - Circular Economy Project Award, 2010 Guangdong Innovation New Record - Excellence Award

产品获 “深圳市自主创新产品” 、 “深圳市科技成果鉴定” 、 “广东省自主创新产品” 认定  
Awarded for Shenzhen Self-renovation Product, Shenzhen Sci-tech Achievements Appraisal Award, Guangdong Self-renovation Product

公司产品通过欧洲CE/ROHS、美国UL、日本PSE等国际认证  
CE/RoHS, UL, FCC, PSE and other international approvals.

### 2011年-2013年

**深耕技术创新,市场效应凸显**  
**Research new technology, expand new market**

基地产能规模提升，取得 “2011年中央预算内投资计划-绿色照明重点工程” 支持  
Winner of ‘2011 Central Budget Investment Plans - Green Lighting key Project.

承建 “深圳太阳能半导体照明技术工程实验室”  
Erection of Shenzhen Solar Semiconductor Lighting Engineering Laboratory

斯派克照明科技馆落成，认定为 “深圳市科普教育示范基地”  
Erection of its lighting museum; approved as 'Shenzhen Popular Science Education Demonstration Base'.

获得OHSAS18001职业健康体系认证等体系认证  
Certified for OHSAS18001 Occupational Health & Safety System.

获授 “广东省科技特派员派驻企业”  
Awarded for Guangdong Sci-tech Commissioner Stationed Enterprise.

认定为 “深圳市福田区大学生实习基地”  
Approved as Futian Undergraduate Internship Base.

荣获 “深圳市知识产权优势企业” 、 “深圳市科学技术（专利）奖” 等荣誉  
Awarded for 'Shenzhen Intellectual Property Advantage Enterprise', 'Shenzhen Science And Technology (Patent) Award' etc.

荣获 “深圳市劳动关系和谐企业”  
Winner of 'Shenzhen Harmonious Labor Relations Enterprises'.

高智能化LED路灯被列为 “国家火炬计划”  
Listed at National Torch Program for its smart LED street light.

公司获 “中国绿色照明示范基地” 授牌  
Awarded for 'China Green Lighting Demonstration Base'.

公司产品多次被录入 “广东省LED标杆体系推荐产品目录”  
Recorded in 'Guangdong Province LED Benchmarking System Recommended Products Catalogue'

公司产品多次被录入 “节能产品政府采购清单”  
Included several times in 'Guangdong Province LED Benchmarking System Recommended Products Catalogue'.

公司产品通过CCC认证、CQC节能认证，欧洲CE/ROHS、德国VDE、美国UL/DLC/FCC、日本PSE等国际认证。  
The product get CCC,CQC energy-saving certificate,CE/RoHS, VDE, UL/DLC/FCC,PSE certificate.

### 2014年-至今

**照明行业标杆，誉满全球市场**  
**Lighting industry benchmark, famous brand worldwide**

参与起草和制定的行业标准、省市和国家照明标准20多项  
Participated in the drafting and formulating industry standards, provincial and national lighting standards, for over 20 items.

荣获国家商务部 “企业信用评价AAA级信用企业”  
Awarded for 'AAA Grade Credit Enterprise' by Ministry of Commerce.

公司 “广东省太阳能照明应用工程技术研究中心” 建立  
Awarded for 'Guangdong Province Engineering & Technology Research Center for Solar Lighting Application'.

公司光电实验室被评定为国家（CNAS认可）光电实验室  
Accredited by CNAS as a national laboratory.

承接 “国家火炬计划项目” ——隧道灯项目  
Undertaker for National Torch Program Project for tunnel light.

获评 “海关A类管理企业” 、 “中国质量认证中心评为A类企业”  
Awarded for Class A Mangerment Enterprise at Customs, Class A Enterprise by China Quality Certification Center.

获颁 “城市及道路照明工程三级承包资质”  
Approved as 'Class Three Contractor for Urban and Road Lighting Project'.

获颁 “安全生产许可证” ，取得国/内外商标注册10多项  
Awarded for Work Safety License, registered over 10 trademarks inside/outside China.

荣获 “LED行业十大技术领先企业”  
Awarded for Top 10 Tech-leading Enterprise in LED Industry.

获评 “2014-2015年度广东省诚信示范企业” “2014-2015年度广东省守合同重信用企业” 称号  
Awarded for '2014-2015 Guangdong Model Enterprise for Business Integrity' '2014-2015 Guangdong Model Enterprise for Executing Contract & Honoring Credit.

获评 “广东省名牌产品” 、 “广东省著名商标”  
Awared for Guangdong Top Brand, Guangdong Famous Trademark”.

荣获 “广东省最具价值版权奖” 、 “广东省科学技术奖”  
Winner of Guangdong Most Valuable Copyright Award, Guangdong Science and Technology Award.

秉承国家 “一带一路” 发展战略，承担了众多国家级援外照明项目  
Undertaker of the Belt & Road Initiatives project & China Aid project.

斯派克/SPARK品牌的照明产品和解决方案已行销中国及世界150多个国家与地区，赢得了海内外客户的广泛认可和赞誉。  
Spark brand LED lighting products and lighting solution have covered more than 150 countries/regions in the globe, having won global recognition and appreciation.