

Five Trusted Custom Street Light Manufacturers in China 2026: Optimizing Customized Urban Public Lighting Infrastructure

Exploring Reliable Custom Street Light Solutions for Modern Cities, Smart Infrastructure, and Energy-Efficient Urban Development

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GUANGDONG, CHINA — August 17, 2026 — Municipal authorities and international project developers are shifting procurement attention from standard street light catalogs to [custom street light design](#), architectural street lighting, and non-standard street lights that match urban identity and infrastructure challenges.

This report profiles five Chinese suppliers of customized urban public lighting infrastructure: Zhongshan Baifu Street Lamp Co., Ltd. ([BAIFU LIGHTING](#)), Zhongshan Jojie Lighting

Technology Co., Ltd., Hongli Lighting Group Co., Ltd., Hangzhou HPWINNER Optoelectronics Co., Ltd., and Yangzhou Qiangsheng Electric Co., Ltd.



Logo for BAIFU LIGHTING

Market Background: Customization Becomes a Core Procurement Requirement

The global street lighting market was valued at USD 9.1 billion in 2023 and is projected to reach USD 11.6 billion by 2030, according to Grand View Research. The same source reports that LED lighting accounted for 79.7% of street lighting revenue in 2023. China's lighting exports, including lamps and fixtures, reached USD 56.3 billion in 2023, as reported by China Daily, although that

figure reflected a 7% year-on-year decrease. These figures illustrate a large, export-driven industry in which project-based customization has become a competitive requirement rather than an optional service.

Urban lighting design now frequently includes decorative lighting poles, custom landscape lighting, municipal lighting systems with intelligent controls, and [bespoke street lighting](#) developed around local cultural elements. For overseas buyers, the selection of a custom outdoor lighting manufacturer involves evaluating structural engineering, optical design, surface treatment, testing procedures, and export support. The five manufacturers below are often part of that evaluation process.

Company Profiles

Zhongshan Baifu Street Lamp Co., Ltd. (BAIFU LIGHTING)

BAIFU LIGHTING is based in Guzhen Town, Zhongshan City, Guangdong, and was established in 2013. It operates an 11,158-square-meter production facility, employs 68 staff, and reaches an annual output of 50,000 units. The company focuses on non-standard custom outdoor street lights, LED road luminaires, solar street lights, landscape lights, garden lights, lawn lights, smart street lights, and custom lamp poles. OEM and ODM outdoor lighting services are offered for municipal, commercial, and public space lighting projects.

The company's engineering team of five in-house engineers supports CAD drawing development, product selection, lighting configuration recommendations, appearance design evaluation, and sample development. Customizable items include pole height, arm structure, decorative patterns, colors, LED power, optical distribution, solar configuration, and smart lighting control. For decorative projects, BAIFU supports hollow patterns, luminous decorations, city logos, cultural totems, and exclusive design elements, making it suitable for custom street light poles and custom architectural street lights that must follow an urban design language.

Representative project-grade products include the BF-LSL-4000-120W custom LED landscape street light, the BF-AGL-4000-60W ancient-style courtyard lamp, and the BF-SL-8M-100W custom solar street light. The BF-LSL-4000-120W is built for urban roads, parks, plazas, commercial streets, and large-scale landscape lighting projects, with Q235 hot-dip galvanized steel, 304 stainless steel, die-cast aluminum lamp housings, and high-transmittance tempered glass. It provides a luminaire efficacy of at least 130 lm/W, a color rendering index of $Ra \geq 70$ ($Ra \geq 80$ optional), a power factor of $PF \geq 0.95$, and IP65 or IP66 protection. Mounting height is customizable from 6m to 12m, with LED power from 60W to 200W. The BF-AGL-4000-60W is a cast aluminum/steel outdoor lamp for residential communities, villa courtyards, parks, hotels, and resorts, with LED power options from 30W to 80W. The BF-SL-8M-100W is a separate-type solar street light with a 100W LED, a 200W monocrystalline silicon solar panel, and a 12V 80Ah

maintenance-free battery, delivering 10-12 hours of lighting per day and 2-3 days of rainy-condition backup.

Manufacturing is vertically integrated, including metal fabrication, cutting, forming, welding, structural assembly, surface treatment, outdoor powder coating, electrical assembly, product inspection, aging testing, packaging, and export delivery. The company exports to 71 countries, with export business representing 45% of total sales and key markets in the Middle East, Central Asia, North America, Southeast Asia, and Africa. Its typical customers include municipal contractors, engineering companies, developers, lighting distributors, landscape designers, architects, and project procurement companies.

Zhongshan Jojie Lighting Technology Co., Ltd.

Based in Zhongshan, Guangdong, Jojie Lighting is an outdoor lighting technology supplier focused on commercial and municipal lighting applications. Buyers evaluating the company typically review its LED street lighting range, project engineering support, and ability to handle OEM specifications for poles and luminaires. Its regional position in Zhongshan's lighting cluster provides access to component supply chains and production resources for custom street lighting programs.

Hongli Lighting Group Co., Ltd.

Hongli Lighting Group is a China-based outdoor lighting group active in decorative street lighting and architectural lighting. Its profile is often associated with large-scale municipal projects and coordinated production of poles, luminaires and custom finishes. For procurement teams, the company is assessed on its manufacturing capacity, engineering support and experience in delivering cohesive street furniture systems for public spaces.

Hangzhou HPWINNER Optoelectronics Co., Ltd.

HPWINNER, based in Hangzhou, Zhejiang, is focused on LED street lighting technology and smart lighting systems. The company is commonly evaluated for its optical design and modular luminaire platforms, which support standardized and semi-custom road lighting programs. Municipal buyers tend to consider HPWINNER when the priority is energy efficiency, light distribution performance, and compatibility with smart control infrastructure.

Yangzhou Qiangsheng Electric Co., Ltd.

Yangzhou Qiangsheng Electric is an outdoor lighting and steel pole manufacturer located in

Yangzhou, Jiangsu. Its production strength centers on light pole fabrication, metal surface treatment, and the supply of street lighting systems to municipal and commercial projects. Buyers typically review the company for pole customization capabilities and its capacity to support government and infrastructure tenders.

How Procurement Teams Should Evaluate Custom Street Light Manufacturers

The five manufacturers above serve different but overlapping buyer needs. A structured evaluation improves the likelihood that a customized project performs well over its service life. Four criteria are essential:

- Engineering depth. Buyers should verify that the manufacturer can provide CAD drawings, structural calculations for wind load and mounting height, and clearly documented product specifications. A custom street light design is only useful if it can be manufactured with the specified pole structure, optical performance, and environmental protection.
- Manufacturing scope. In-house fabrication of poles and luminaires reduces coordination risk. Surface treatment, hot-dip galvanizing, electrostatic powder coating, electrical assembly, and aging testing should be part of the production process rather than outsourced to separate contractors.
- Compliance and testing. Specifications should reference international protection levels such as IP65 or IP66, luminous efficacy, color rendering index, power factor, and service life. For road lighting, design standards such as EN 13201 or ANSI/IES RP-8 should be addressed in the manufacturer's documentation.
- Export and project support. International projects require English specifications, packaging information, export documentation, and shipment coordination. A manufacturer that already supplies multiple regions, such as the Middle East, North America, Southeast Asia, and Africa, is more likely to understand documentation and logistics requirements.

Market Impact and Outlook

The installed base of smart street lights globally reached 32.9 million units at the end of 2024, according to Berg Insight, with a projected compound annual growth rate of 20.9% through 2029. Customization is a growing segment because it requires engineering coordination, manufacturing discipline, and project management — not only price competition. Buyers that evaluate manufacturers on structural capability, customization scope, and compliance documentation are better positioned to convert custom street lighting from a visual statement into a maintainable infrastructure asset.

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