

Price of Intelligent Lighting Distribution Box



Overview

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Key Takeaways

Intelligent building lighting distribution boxes typically range from \$200 to over \$2,000 per unit, depending on capacity, customization, and smart features. Price Range and Factors

The cost of an intelligent lighting distribution box varies widely based on several factors:

- **Type and Capacity:** Standard units for residential or small commercial buildings may start around \$200–\$500, while larger, modular, or high-capacity units for industrial or commercial applications can exceed \$1,500–\$2,000 per unit .
- **Smart Features:** Integration with Building Management Systems (BMS), IoT connectivity, real-time monitoring, and predictive maintenance capabilities increase the price .
- **Material and Build:** Metal enclosures are more expensive than plastic or polycarbonate options, with metal units accounting for the largest market share due to durability and safety standards .



- Customization: Custom lighting distribution boxes designed for specific layouts, load management, or renewable energy integration (solar/wind) can further raise costs .
- Certifications and Standards: Products certified under IEC, NEC, ISO 50001, or national 3C standards may carry higher prices due to compliance and quality assurance .

Market Insights

The global market for lighting distribution boxes is growing steadily, reflecting increased demand for energy-efficient and smart building solutions. The market size reached \$18.7 billion in 2025 and is projected to expand to \$28.4 billion by 2034, driven by urbanization, smart city initiatives, and renewable energy adoption . This growth supports a wide range of pricing options, from basic units to advanced intelligent systems.

Manufacturer Examples

- Fuzhou Zhidian Electric Power Technology Co., Ltd. offers intelligent distribution boxes with full-cycle technical support and certifications, suitable for residential, commercial, and industrial projects .
- Other major global manufacturers include Schneider Electric, ABB, Siemens, Eaton, and Hager, which provide modular and IoT-enabled solutions for smart buildings .

Summary

For budgeting purposes, expect residential or small commercial intelligent lighting distribution boxes to cost \$200–\$500, while large-scale, smart, or customized units can range from \$1,500 to over \$2,000. Prices are influenced by capacity, smart features, materials, certifications, and regional market conditions. For precise quotes, contacting manufacturers directly is recommended, especially for customized or IoT-integrated solutions .

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Blastking's Vivid LED Series offers turnkey solutions for all of your LED video wall needs.

iQ, Smart technology, Smart-E, dimmable, junction box, All LED

Designed to replace traditional junction boxes, it is compatible with existing wiring and offers a retrofit solution for smart lighting

Matismart MTS3 Remote Control Lighting System on off Switch 18

The Matismart MTS3 Remote Control Lighting System belongs to the Miniature Circuit Breakers (MCB) category under Low Voltage

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

