

RIVO MULTITRADE OPTICAL SYSTEMS

Price of Lightweight Energy-Saving Cable Trays



Overview

Lightweight Cable Tray | Energy Saving Cable Support Systems Compared with conventional cable trays, the Molded Reinforced Base design saves 30-40% of mater.

Key Takeaways

The price of lightweight energy-saving cable trays varies widely depending on material, size, and design, typically ranging from \$20 to \$150 per meter for standard industrial models. Factors Affecting Price



Material: Cable trays are commonly made from steel, aluminum, or fiberglass. Steel trays are strong and durable but heavier, while aluminum is lightweight and corrosion-resistant, often costing slightly more. Fiberglass trays are non-conductive and suitable for specialized environments, usually at a premium . **Design and Reinforcement:** Lightweight energy-saving trays often feature molded reinforced bases, corrugated bottoms, or stamped ribs to reduce material usage while maintaining strength. Trays with widths of 100–600 mm typically use stamped reinforced bottoms, while wider trays may use corrugated designs. These structural enhancements improve bending resistance and torsional strength but can increase cost . **Tray Type:** Ladder, solid-bottom, trough, and wire mesh trays differ in price. Wire mesh trays are lightweight and provide excellent ventilation, making them ideal for heat-sensitive installations, while solid-bottom trays offer full protection for sensitive cables . **Size and Load Capacity:** Tray width, length, and load rating directly influence price. Wider or higher-capacity trays require more material and reinforcement, increasing cost. Standard widths range from 100 mm to over 600 mm, with longer spans or heavy-duty applications costing more . **Market and Supplier:** Prices vary by region and supplier. Asia-Pacific leads production, often offering competitive pricing, while North America and Europe may have higher costs due to regulatory compliance and certifications like ISO 9001, CE, or UL .

Typical Price Ranges

- Small, lightweight aluminum or steel trays (100–300 mm width): \$20–\$50 per meter
 - Medium trays (300–600 mm width) with reinforced or corrugated bases: \$50–\$100 per meter
 - Large or specialized trays (over 600 mm width, high load, or fiberglass): \$100–\$150+ per meter
- These ranges are indicative; actual prices depend on supplier, customization, and shipping costs. For bulk orders, manufacturers like CanHopeSteel, RS Hong Kong, and Shandong Hongfeng offer quotations based on specifications .

Recommendations

- Request quotes from multiple suppliers to compare costs for your specific tray width, material, and load requirements.
 - Consider lifecycle cost, including corrosion resistance, energy efficiency, and maintenance, not just initial purchase price .
 - Check certifications to ensure compliance with local electrical and safety standards.
- By evaluating these factors, you can select a lightweight energy-saving cable tray that balances cost, durability, and energy efficiency for your installation.

Article Content

Lightweight Cable Tray | Energy Saving Cable Support Systems

Compared with conventional cable trays, the Molded Reinforced Base design saves 30–40% of material, while the Corrugated Base

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Wire Mesh Cable Trays

These cable trays are lined with wire mesh to route and support small diameter cable, such as data communication cable. The mesh

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