

New Lighting Busbar Wiring Method



Article Overview

Modern lighting busbar systems use modular, plug-in wiring that allows flexible, safe, and efficient power distribution for lighting circuits.

Overview of Lighting Busbar Systems

Lighting busbars are metallic strips or trunking systems designed to distribute electrical power efficiently to multiple lighting fixtures without the need for individual cabling for each device . They are commonly used in commercial, office, industrial, and high-illumination areas such as hypermarkets and large office spaces . Modern systems support currents from 25A up to 63A, and can integrate with DALI and DIM lighting controls for energy-efficient operation .

Wiring and Installation Method

- **Mounting the Busbar:** The busbar trunking is first mounted on ceilings or walls using standardized fastening systems. Components are designed to snap or bolt together, ensuring mechanical stability and electrical continuity .
- **Modular Plug-In Connections:** Lighting fixtures are connected via plug-in adapters that attach directly to the busbar. This eliminates the need for running individual cables to each fixture, allowing quick installation, relocation, or replacement of lights without rewiring .
- **Power Feed Options:** Modern busbars can be powered from end feed units or center feed units, which reduces voltage drops along long runs and simplifies installation when the supply point is not at the end of the line .
- **Integration with Sensors and Controls:** Some busbar systems include dedicated conductors for sensors or control signals, enabling smart lighting setups without ad...

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The Standard lists the mechanical and electrical requirements with which the busbar trunking must comply and provides the methods

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Canalis KT Busbar Trunking System - Installation Manual Date: 13 Jan 2026 Type: User guide Languages: English

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