

PERFEKT LIGHT

LED Linear Trunking System

General Introduction



LED Linear Trunking System is an energy-efficient, low maintenance alternative to traditional linear fluorescent in a variety of industrial, commercial and light assembly applications. It is the optimal solution for conventional lighting systems and also excellent for new installations due to its low installation cost - everything in one box and installation is tool-less. It saves both time and costs when updating lighting systems. Also, Coreshine LED Linear Trunking System is really good in terms of the low maintenance that's typical for LED lighting and this also keeps costs low.



Benefits

- Cost-effective light-line solution for industrial, commercial and other applications
- Good quality of light with high lumen output to meet different requirements
- Easy to order and install, requiring less time, reducing packaging waste and complexity
- Flexible solution

Application

- Commercial
- Warehouse
- Industrial
- Other indoor lighting

Trunking Rail

- 3-phase pre-selection via moving of contact pin prior to installation in rail
- Trunking rail as standard with 5, 7 or 11-core through-wiring with 2.5mm² cable cross-section
- The maximum current is 16A, allowing 44 tubes of 150cm 80W in one serial
- Separate power supplies, dimming or emergency supply can be integrated
- Electrical feed possible in central or end area of a trunking rail arrangement via special trunking rail element
- Trunking rail modules with pre-assembled connectors
- Wide distances between suspension points to 3.5m with self-supporting connector elements
- Simple mounting of trunking rail elements with pre-assembled connectors with integral plug-in system (electrical and mechanical connection)
- Flexible electrical feed-in and feed-out points



Optics

A wide range of optics from sharp to wide distribution, as well as asymmetric

- sharp distribution, 20 degree
- narrow distribution, 60degree
- wide distribution, 90 degree
- flat distribution, 120 and 160 degree
- asymmetric distribution
- double asymmetric distribution



Emergency Lighting Function

- It can work on normal mains and automatically switch to emergency supply in the event of a power failure to provide sufficient light and ensure safe evacuation in emergency situations.
- A wide variety of self contained battery is available, as well as two independent emergency lighting circuits in the trunking.

Dimming & Multi-Sensor System

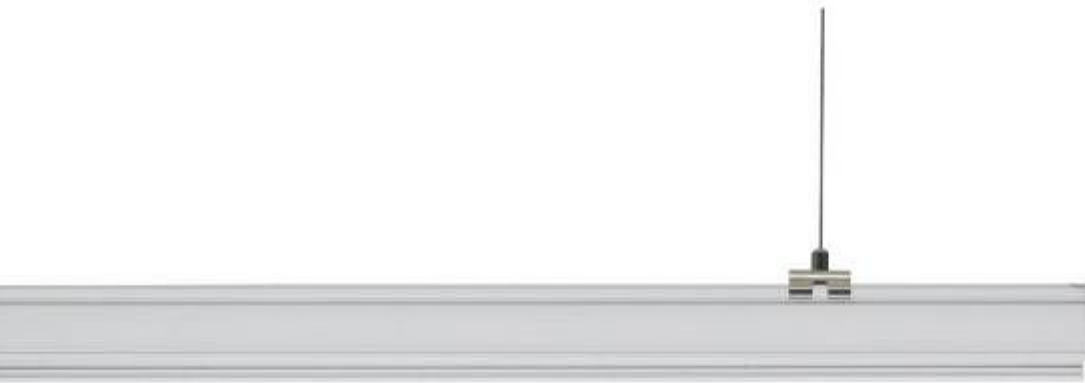
- 3 different dimming system, DALI, 1-10V and PWM dimming.
- It does not only have an integrated microwave sensor for movement detection, but also a daylight sensor.

Installation

- Pendant Chain Installation
- Pendant Cord Installation
- Pendant Rod Installation
- Surface Mounted
- Recessed Installation

Node Connector

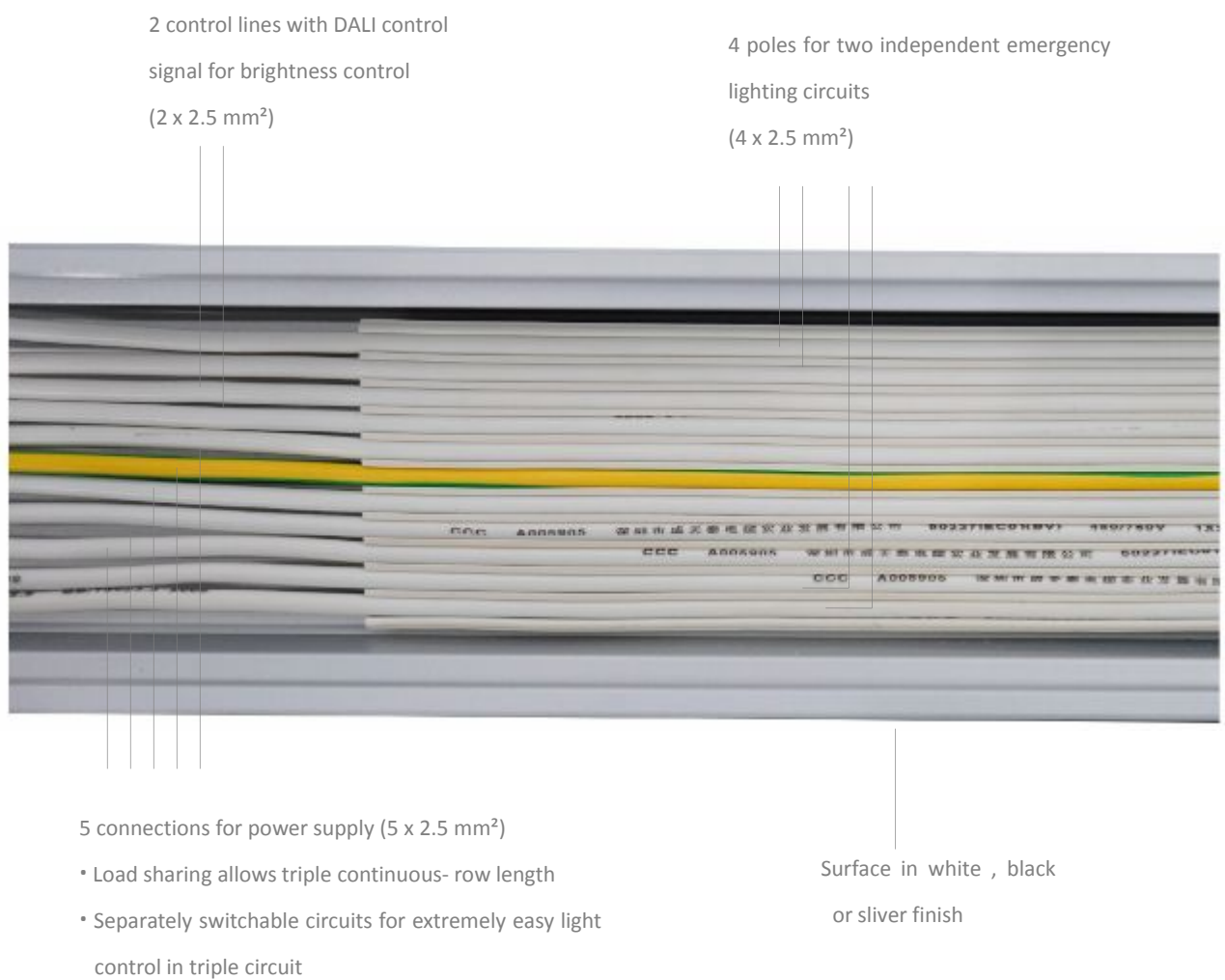
- X, L and T Standard Module Node connectors



TRUNKING RAIL

The flexible trunking system for challenging lighting demands in all application. With fully compatible modular kit, it adapts individually to complex lighting tasks. It has an 11-pole current conducting section built into its trunking. This means that the system comes ready equipped to meet tomorrow's needs. All functions such as power supply, lighting control and connection to emergency lighting are seamlessly integrated into this multifunctional trunking. Luminaires can be positioned flexibly and the system can be adapted to suit structural alterations at any time. The trunking rail is simply a matter of replacing or adding lighting modules, light sources or optics as required.

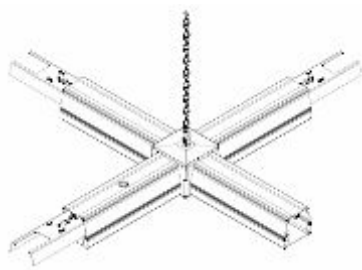
11-CORE WIRING CROSS-SECTION



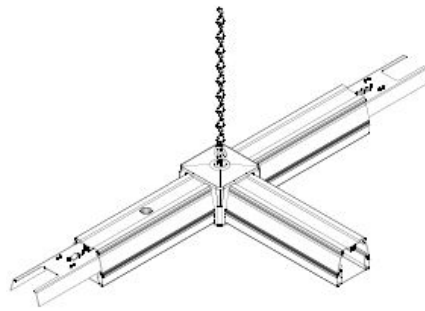
The cable in the trunking with preassembled connector makes it possible to join trunking units without the use of any tools, which really helps save much labor cost.

NODE CONNECTOR

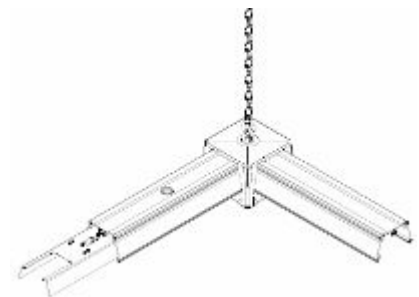
All system components can be combined without tools. X, T and L connectors expand the system's application range.



X Node Connector



T Node Connector

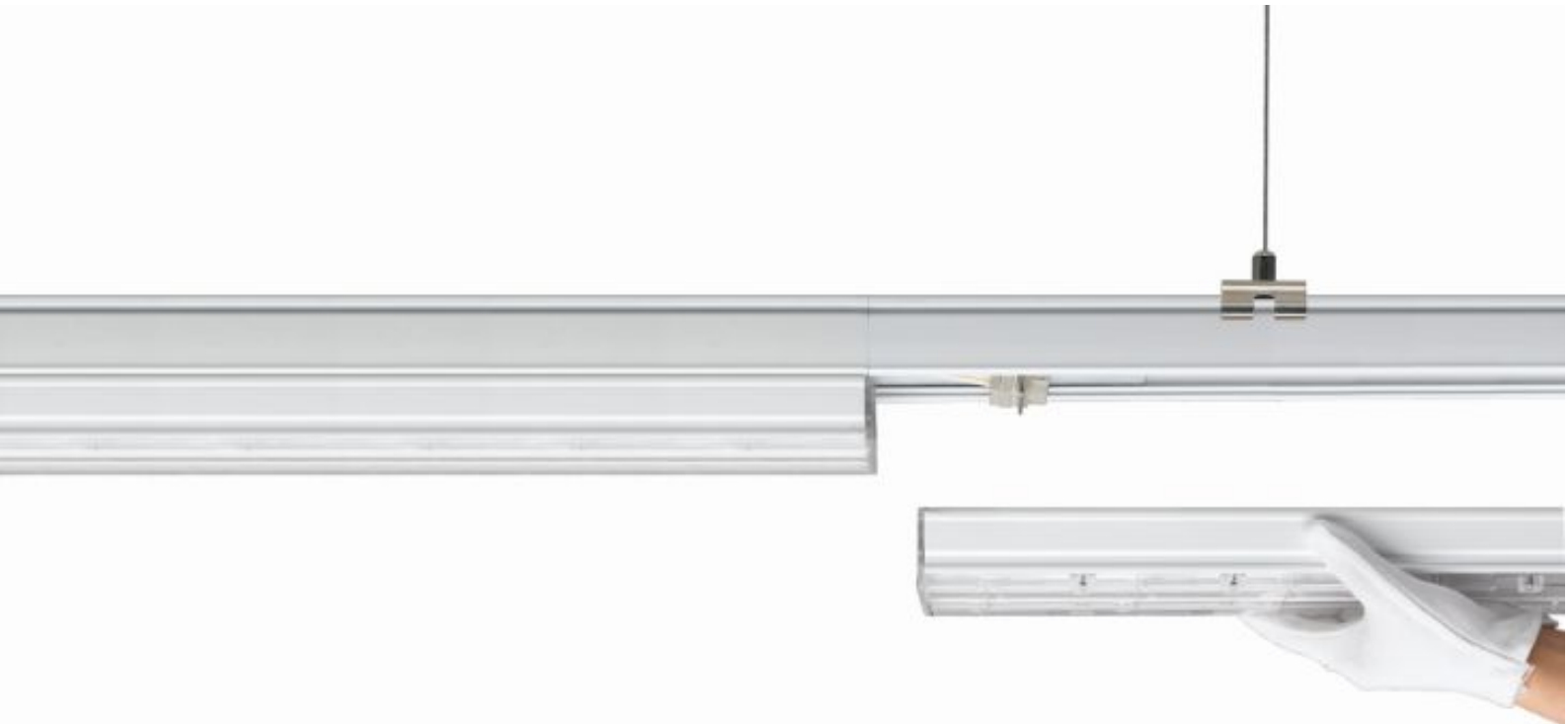


L Node Connector

Each node connector has diverse of electrical feed-in and feed-out.

LUMINAIRE

A continuous-row LED lighting system could be created only by a trunking unit and an LED luminaire. It appears as a consistent continuous-row system, without any visual interruption or different reflectors. The Luminaire and trunking are perfectly matched to each other.

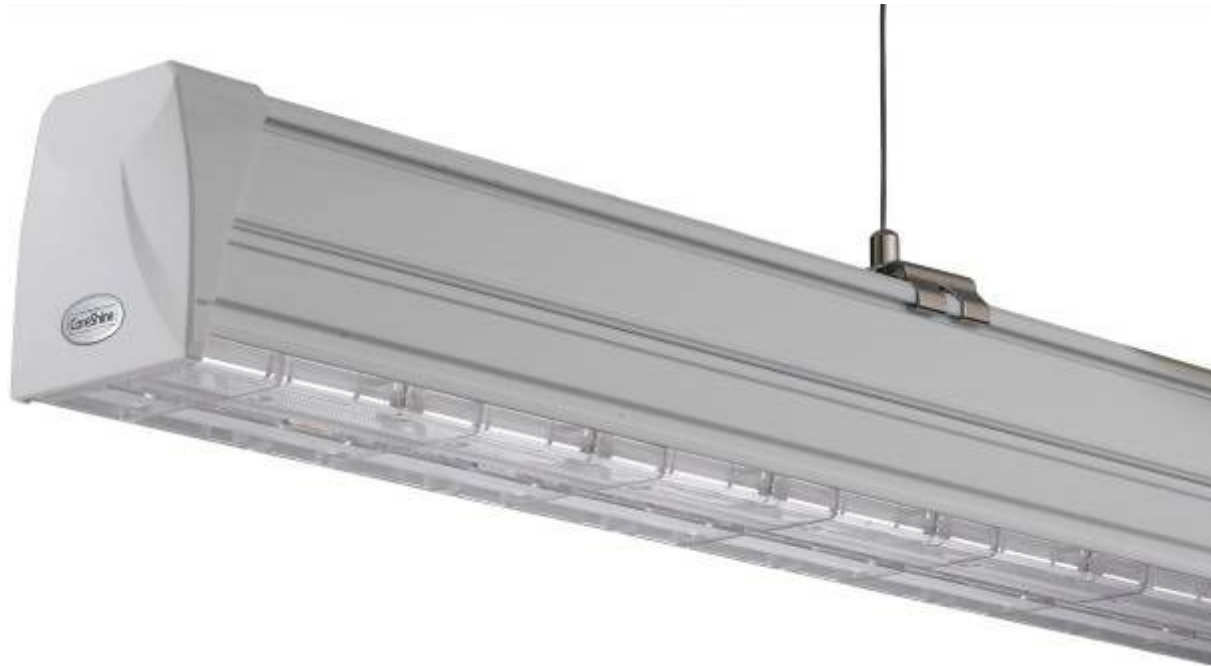


All possible light distribution patterns can be created with various optical components.

OPTICS



The high light efficiency of 130 lm per W makes reduction on energy consumption and additional cost.

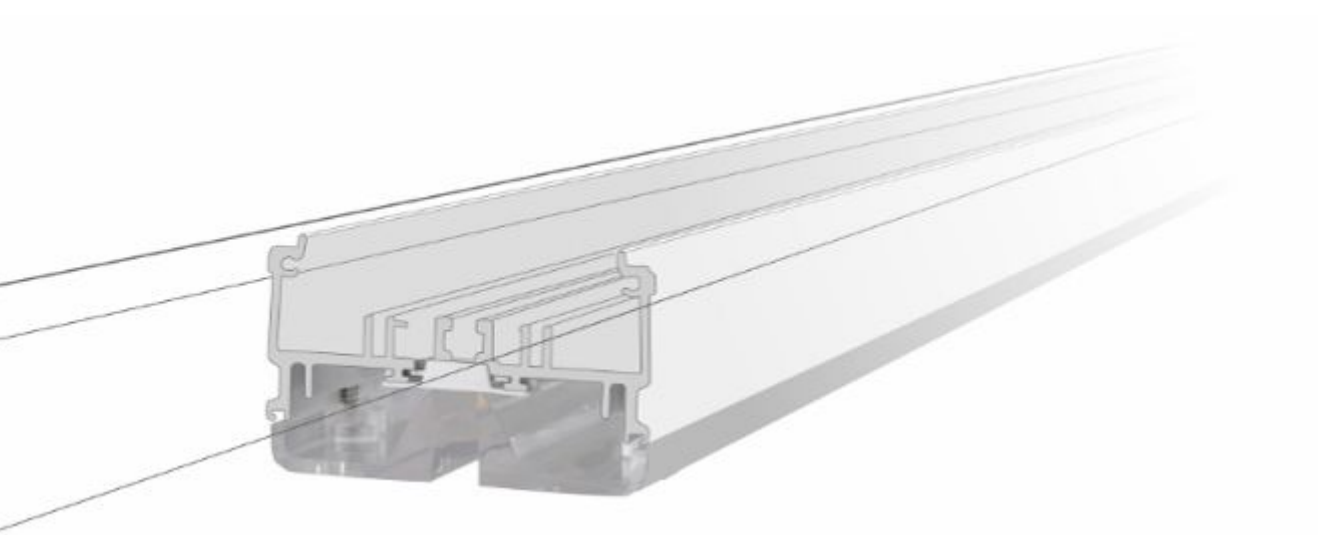


LENGTH OPTIONS

Different length with various power is available,

- 595mm 18W/ 26W/ 32W
- 1478mm 45W/ 65W/ 80W

LEDs FEATURE

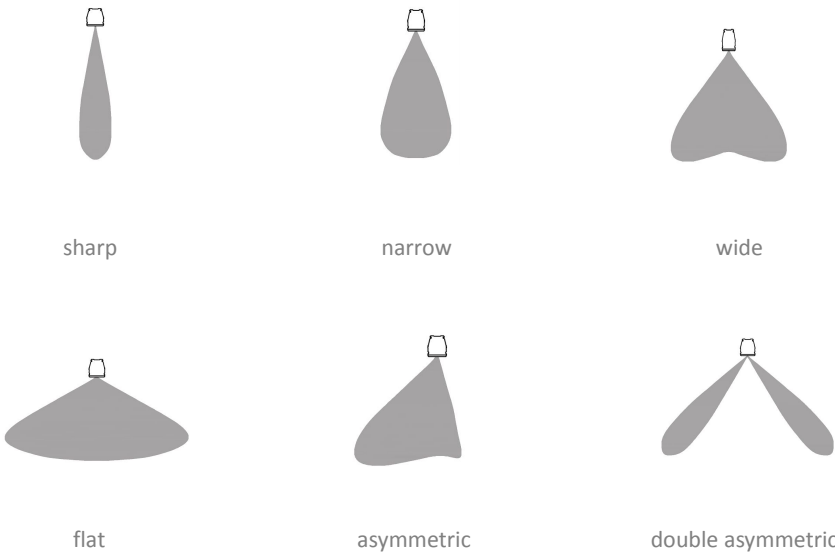


With a color rendering index of up to $Ra > 80$, color temperatures of 3000 K, 4000 K and 6000 K, and low UGR, it could meet environmental requirements and comply with funding guidelines for energy-efficient building and lighting solutions.

BEAM ANGLE



Different diffuser for different distribution



INSTALLATION



A maximum suspension span of 3m ensures quick and easy installation with fewer suspension points.



Chain



Cord



Rod



Surface Mounted



Recessed

EMERGENCY LIGHTING



Emergency lighting systems ensures optimum lighting and orientation, even in the event of a power failure. General lighting and emergency lighting are combined in a single highly functional, integrative lighting solution.

A wide variety of emergency mode is available,

- Central battery systems / Generator
EL1 EN1 & EL2 EN2 makes mode selected
- Self contained battery

Under this mode, the luminaries could be 6W or 12W, working for 1.5 hours or 3 hours (depending on the demand

A small spotlight is available on 600mm module as an extra version featuring a rotating lighting head for emergency use of 5W.

DALI and DIMMING SYSTEM

Efficient tools for lighting are the basis for solutions with low operating overheads and high quality of light. Supplemented with suitable light control, savings potential can be further significantly increased. The right type of light management depends decisively on the specific building conditions and usage of the area.

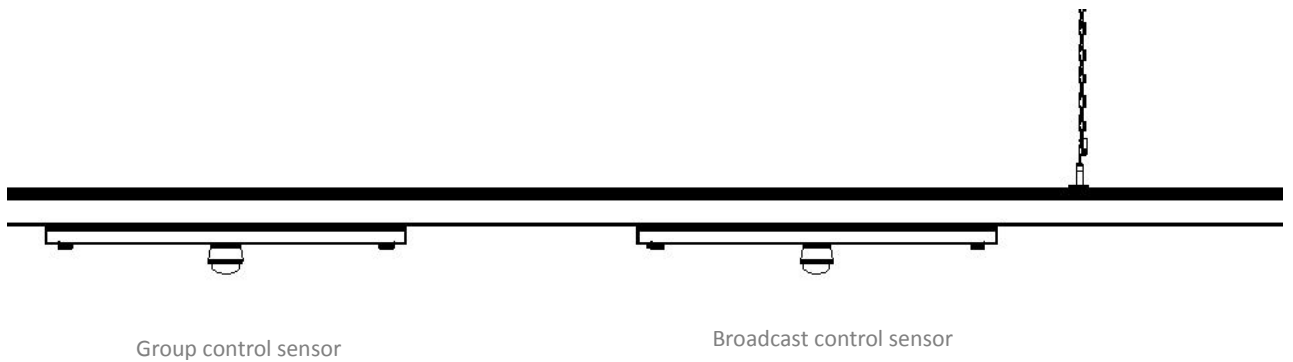
With a wide variety of dimming light control systems with suitable sensor technology, and thanks to open, non-proprietary standards, such solutions can be simply integrated into common building management systems.



Dimming system is suitable for complex applications for controlling rooms and storey, for daylight-dependent control and dynamic light control. 4 types of dimming is available,

- DALI dimming
- 1-10V dimming
- PWM dimming
- switch dimming

MULTI-SENSOR SYSTEM



Multi-sensor system combines energy saving with highly convenience for user. Most energy can be saved by integrating microwave and daylight sensor into the trunking. It ensures a sufficient level of brightness in specific areas under a defined period of time.