Track linear illumination

6870-D

* Quick installation

* Easy installation

* Low installation cost

LITE HOME

Track linear illumination

6870-**D**

D

Features:

- 60 seconds quick installation without any tools
- Low installation cost - simply splicing to complete without the additional materials for installation
  At the same time, the labor costs of wiring and fixture installation are significantly reduced.
- A three-phase circuit is preset in the track and the lamp can be individually controlled as required
- Dimming mode: 0-10V and DALI
- Emergency Mode: Emergency Battery/UPS System
- Sensor mode: microwave sensor and daylight sensor
- X, L, and T standard module node connectors
- Mounting options: Surface mounted chains or ropes
- Wide range of optics from 30° to 120° distribution, and double symmetrical distribution

Trunking Rail

- The track is the bracket to fix the lamp body
- The circuit preset in the track powers the lamp body
- Splicing between tracks to form a system
- The rails are pre-wired within the factory and are available in three standard sizes: 3, 5, and 7 wires. The 5th line is the basic power supply line, and the other line outside the 5th line is the function line, dimming and emergency functions.
- There are 3 fire wires in 5 wires, and a common zero line and ground wire; toggle the phase selection terminal in the track to connect the lamp body to different electrical circuits. Three FireWire external switches can easily realize the group management of different lamps in the system.
- A 2.5 square wire cable with a maximum current of 16A. One wire allows the installation of 50 60W lamps.
- The track length is available in three sizes: 600mm/1200mm/1500mm, which corresponds to a lamp body of the same length.
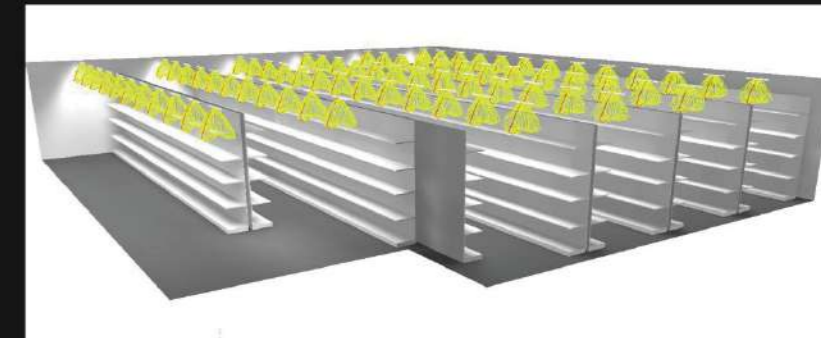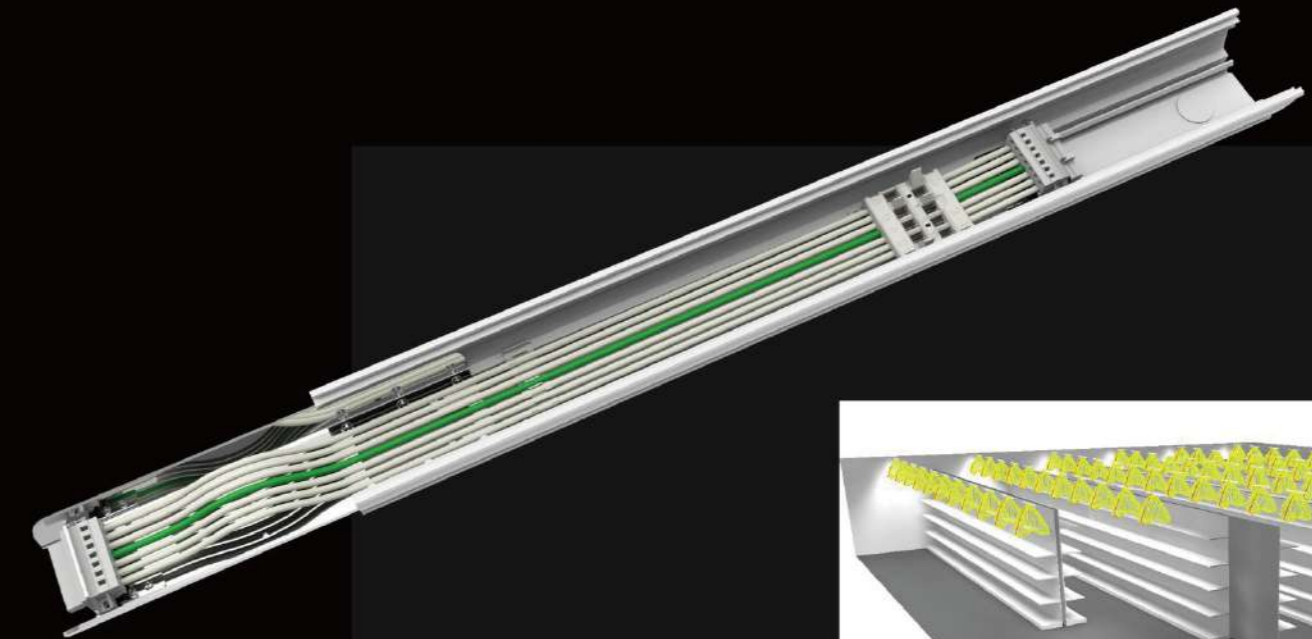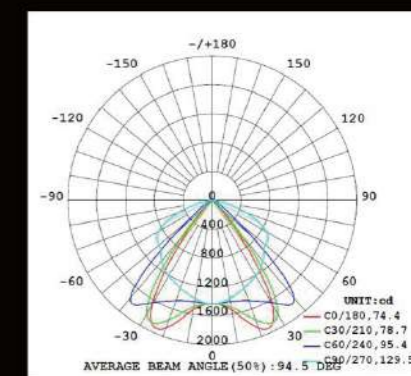
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OSRAM DRIVER

Epistar LED / Sanan LED
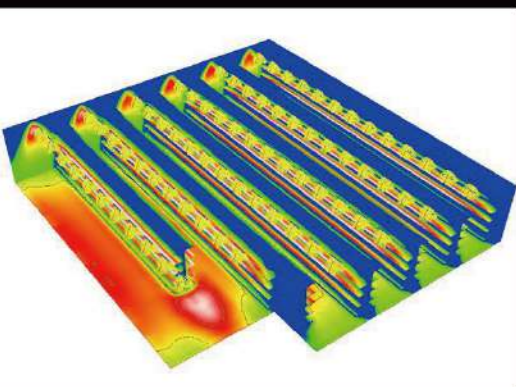
Item	LH-TLA23-026-XXXX	LH-TLA45-035-XXXX	LH-TLA55-055-XXXX	LH-TLA57-065-XXXX
CCT	3000k /	4000k /	5000k /	6000k
CRI	> 80	> 80	> 80	> 80
IP Rank	40	40	40	40
Lumen Efficiency	130lm/w	130lm/w	130lm/w	130lm/w
Power	26W	35W	55W	65W
Material	Aluminum	Aluminum	Aluminum	Aluminum

Item	Length	Descriotion	Mluminum
LH-TLA23-026-XXXX	577mm	3Corrunk Rail	
LH-TLA25-026-XXXX	1150mm	3Corrunk Rail	Aluminum
LH-TLA27-026-XXXX	1437mm	3Corrunk Rail	
LH-TLA43-035-XXXX	577mm	3Corrunk Rail	
LH-TLA45-035-XXXX	1150mm	3Corrunk Rail	Aluminum
LH-TLA45-035-XXXX	1437mm	3Corrunk Rail	
LH-TLA53-038-XXXX	577mm	5Corrunk Rail	
LH-TLA55-038-XXXX	1150mm	5Corrunk Rail	Aluminum
LH-TLA57-038-XXXX	1437mm	5Corrunk Rail	
LH-TLA53-055-XXXX	577mm	5Corrunk Rail	
LH-TLA55-055-XXXX	1150mm	5Corrunk Rail	Aluminum
LH-TLA57-055-XXXX	1437mm	5Corrunk Rail	
LH-TLA53-065-XXXX	577mm	7Corrunk Rail	
LH-TLA55-065-XXXX	1150mm	7Corrunk Rail	Aluminum
LH-TLA57-065-XXXX	1437mm	7Corrunk Rail	

AVERAGE BEAM ANGLE(50%):48.1 DEG

UNIT:cd
C0/180,27.2
C30/210,30.8
C60/240,47.3
C90/270,87.3

AVERAGE BEAM ANGLE(50%):82.4 DEG

UNIT:cd
C0/180,56.5
C30/210,60.8
C60/240,79.1
C90/270,133.1

AVERAGE BEAM ANGLE(50%):94.5 DEG

C0/180,74.4
C30/210,78.7
C60/240,95.4
C90/270,129.5

LS6870D
Beam angle： 30° 60° 90°
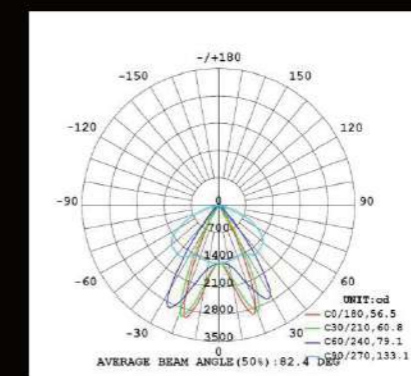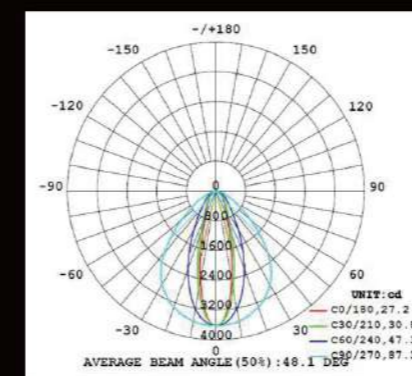
LED Sharp（30°）

The sharp-angle lens can make the light highly concentrated, focusing on the item and highlighting the item so that the customer can clearly see the item at the first time. Can also focus on the precision workbench of the production line, so that the light is concentrated on the workbench, rather than other non-important places, this can help employees work more efficiently and accurately, but also help avoid unnecessary mistakes and reduce Damage to precision work.

LED Narrow（60°）

The 60-degree angle is specially designed for corridors, passages, and aisles. It provides the most suitable and uniform light without causing eye discomfort due to being too bright or too dark, especially for hospital patients.

LED wide angle (90°)

With a wide angle (90 degrees), multiple spaces, multiple areas can be easily illuminated, so that the entire
The light distribution of the supermarkets is even, giving customers a good visual range and winning more popularity for the supermarket

30°   60°   90°

6m-12m   6m-9m   4m-6m
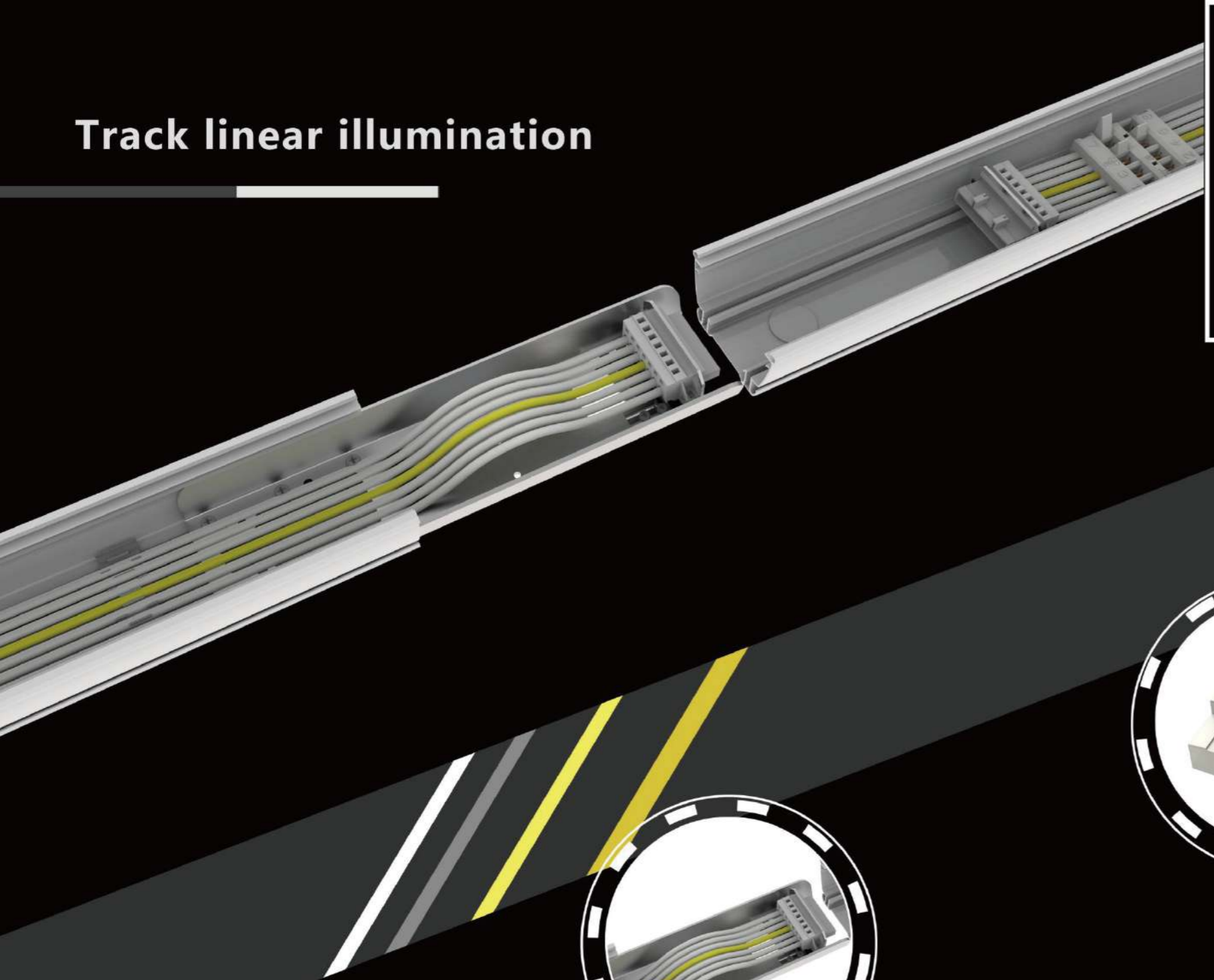
1.5m-3m   2m-4m   3m-5m
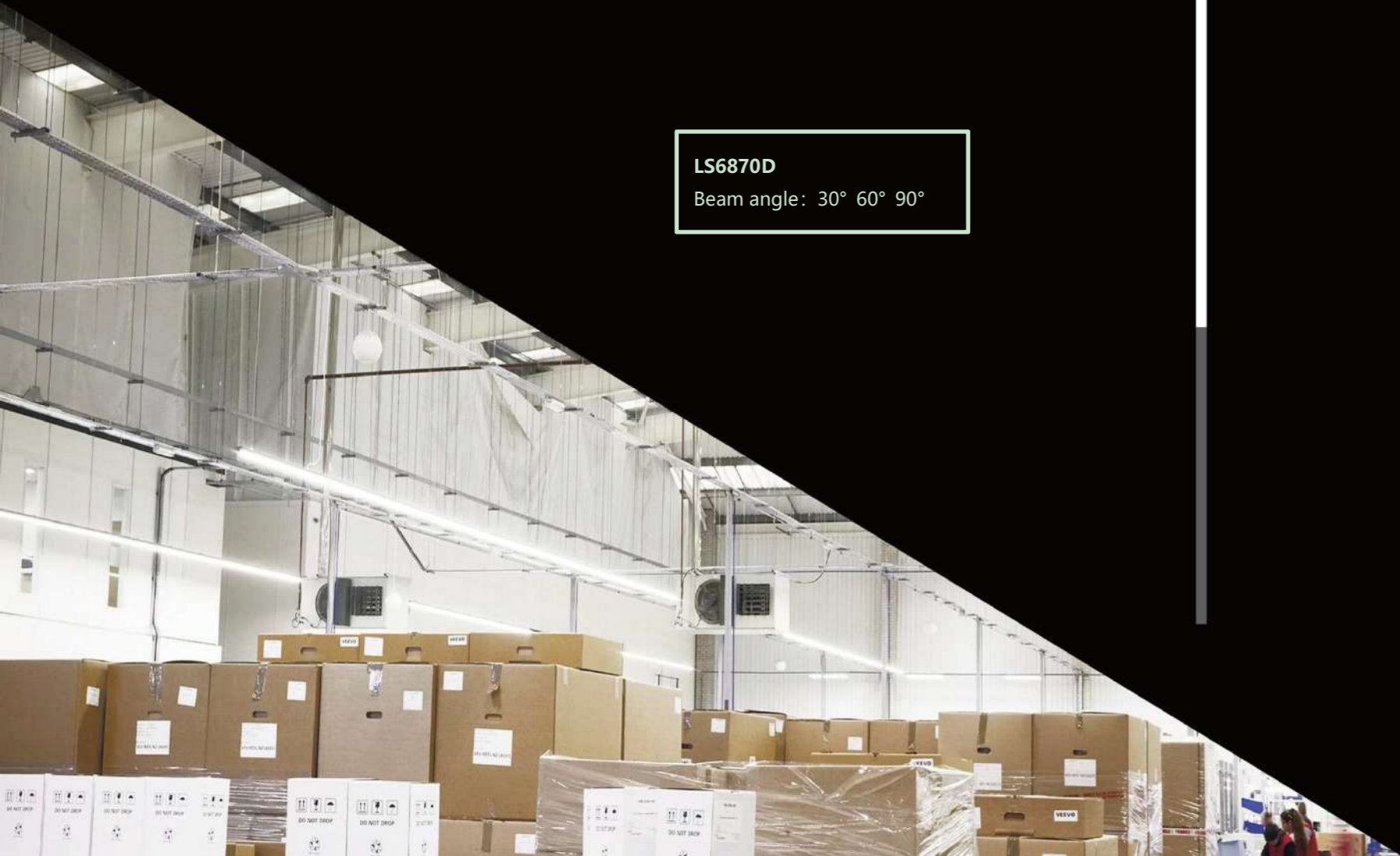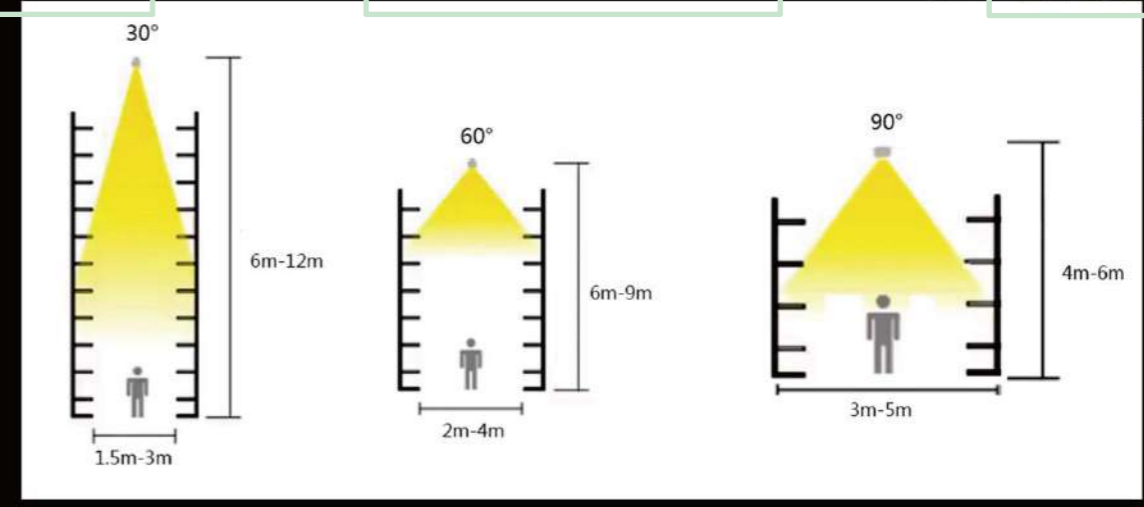
Track linear illumination

6870-D D
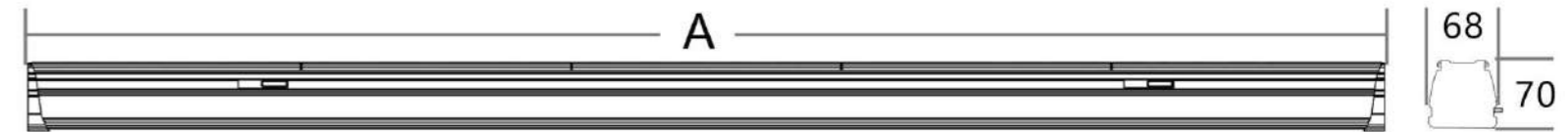

Item	A(mm)
LH-TLA23-026-XXXX	577
LH-TLA45-035-XXXX	1150
LH-TLA55-065-XXXX	1437

Item	A(mm)	B(mm)	C(mm)
LH-TLA23-026-XXXX	582	577	584.5
LH-TLA45-035-XXXX	1155	1150	1152.5
LH-TLA55-065-XXXX	1442	1437	1439.5

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Track linear illumination

No need for bridges, no need to purchase additional materials, no wiring, provincial construction period, installation fees, labor costs, auxiliary materials costs, ceiling decoration costs, is a cluster lighting system.
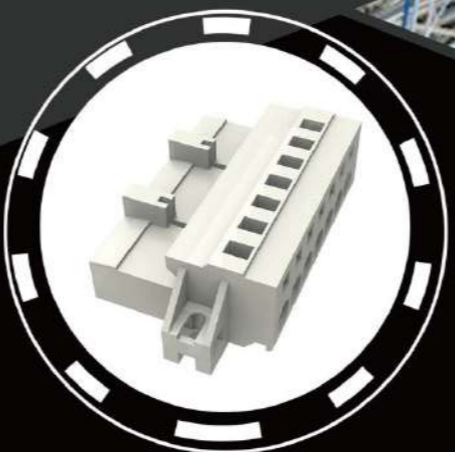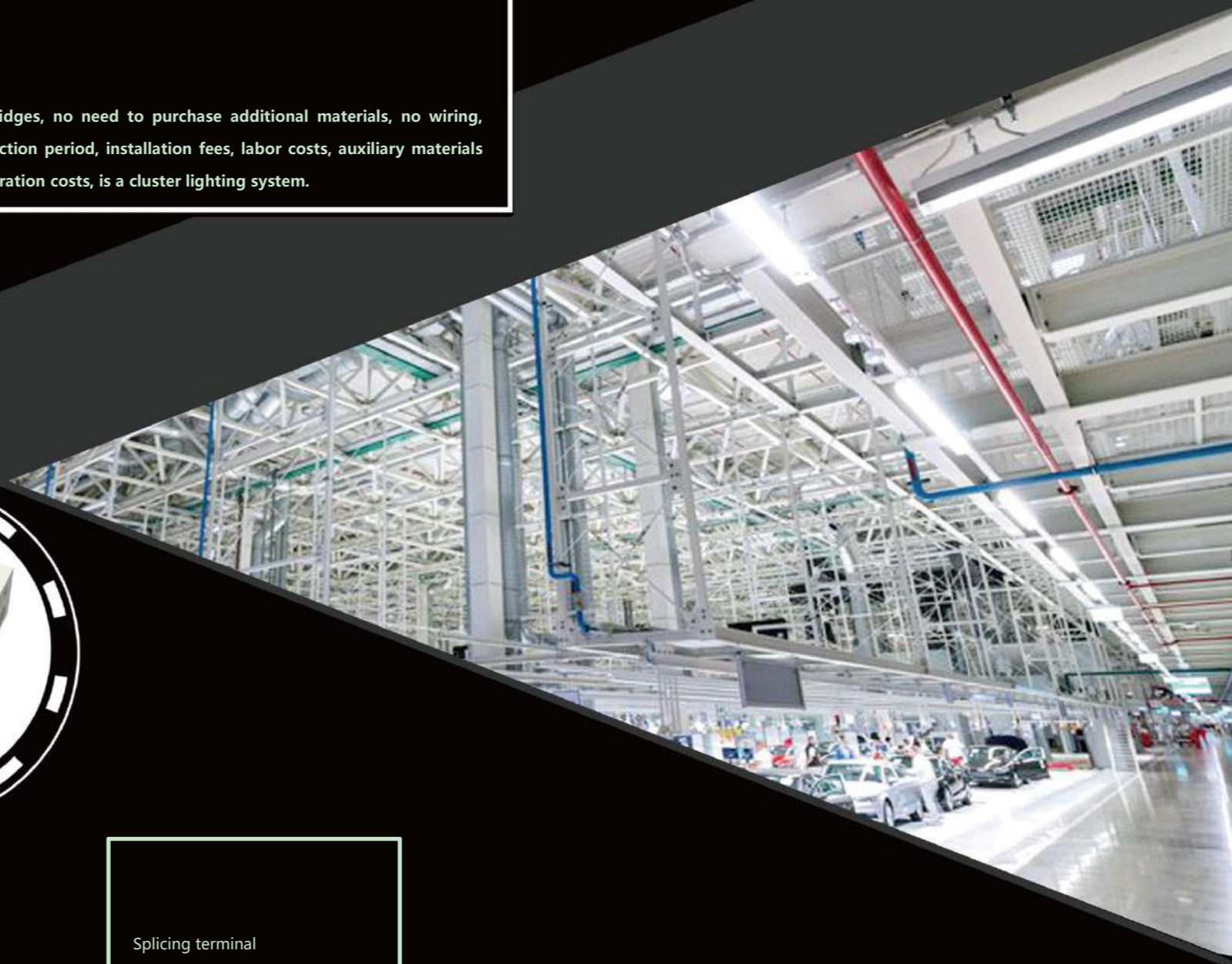
Splicing terminal
The wiring is safe and fast, with detection holes, simple structure, easy to install and test.

Splice piece
The unique splicing way ensures the safety and stability of the use process

Wire
2.5mm2 wire diameter pure copper wire, the maximum allowable current is 16A;

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3wire trunk rail
——Seamless stitching，No need for bridges, no need to purchase additional materials, no wiring, provincial construction period, installation fees, labor costs, auxiliary materials costs, ceiling decoration costs.
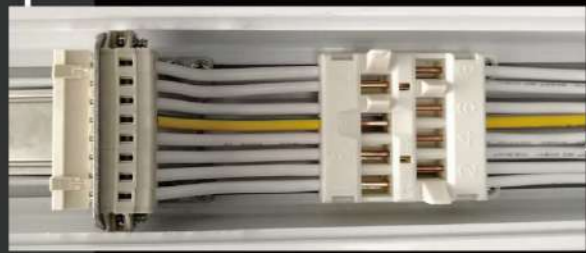
5wire trunk rail
——There are three fire lines in the five-wire track, a common zero line and ground line, for the basic power supply line, toggle the lamp body internal devices, select any L1, L2, L3 lines, to achieve independent segmentation (on / off) control.
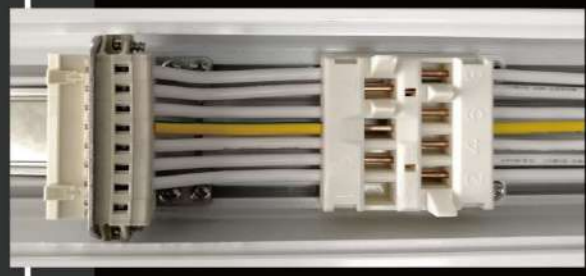
7wire trunk rail
——Two additional function lines based on the 5-wire function, with additional dimming / emergency / induction function, whichever one you prefer.
Dimming function (Dali / 1-10V)
Emergency Function (emergency battery / UPS system)
Induction Function (Microwave Sensor / Daylight Sensor)

8wire trunk rail
——Add 3 functions to the 3-wire function-dimmer / emergency / sensor.
Dimming function (Dali / 1-10V)
Emergency Function (emergency battery / UPS system)
Sensing Function (Microwave Sensor / Daylight Sensor)
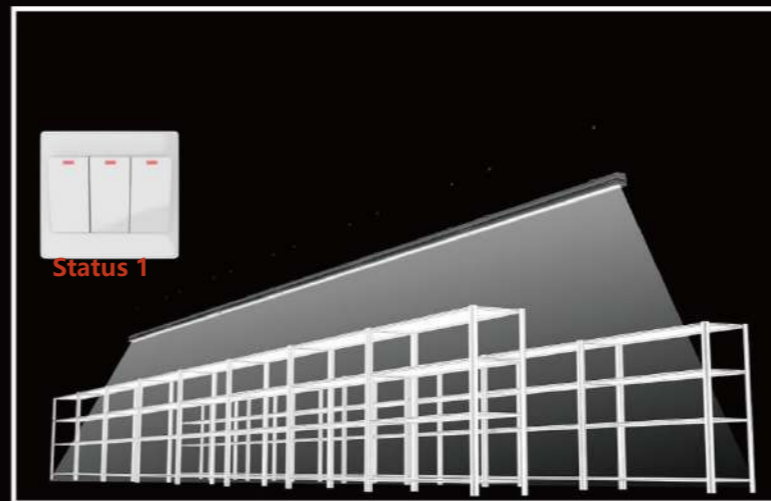
Status 1

Status 1
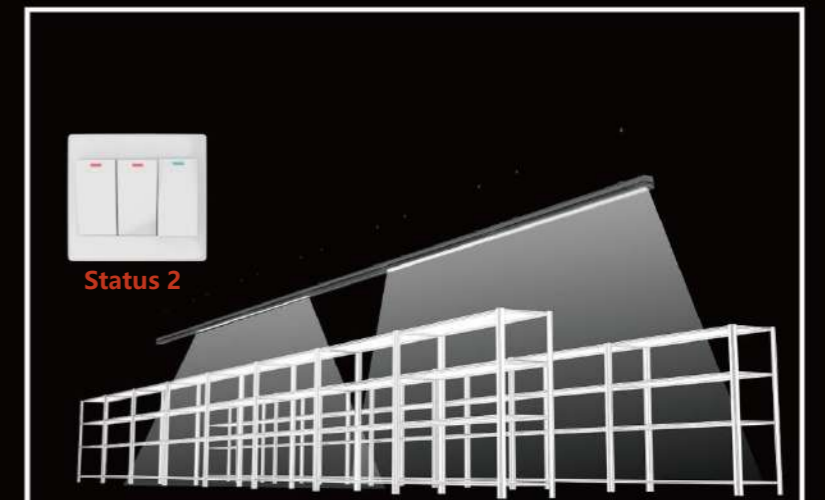The lamp are on during the working time

Status 3

Status 3
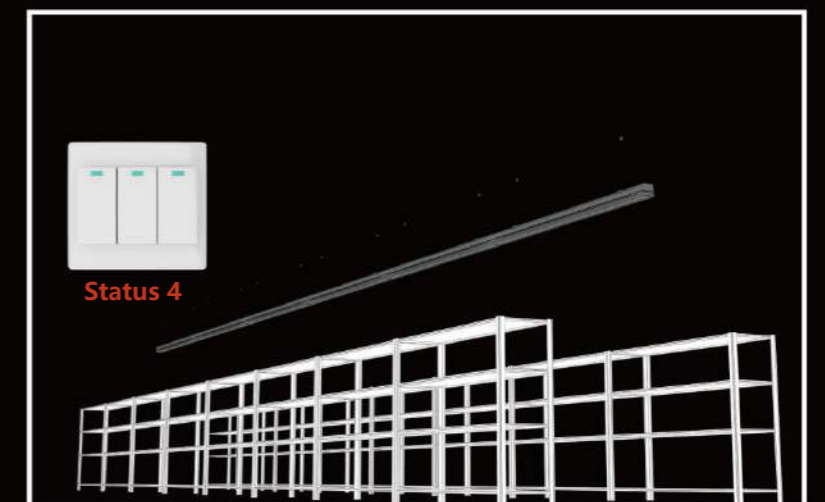Keep one-thirds of the light at the break time

3-loop switch control
The three-loop function controls the lights individually by means of three switches, SW1, SW2, SW3 (on/off). These three switchesConnected to L1, L2, L3.

Status 2

Status 2
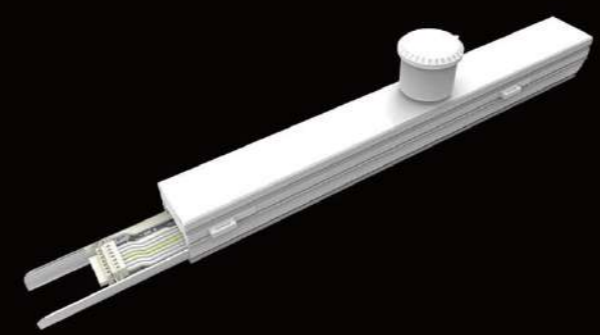eep two-thirds of the light on during overtime

Status 4

tatus 4
All the lamps are off after the duty

Lighting module
Power : 26W, 35W, 65W,
Dimming : 0-10V, DALI

Sensor Module(Daylight & Microwave)
1: The sensing module needs to be used with the dimming module.
Different from manual switch dimming, the use of induction module
can realize automatic dimming of the system, high efficiency and
energy saving, suitable for office, factory or warehouse.
2: The induction is divided into daylight induction and microwave
induction.

Track Rail Module
1. The third party equipment is connected into the system as the electric
connector of the track spot light, which can provide power and installation
position, and reduce the overhead installation cost of the third party equipment;
2. Maintain the unity of the whole system-one, make the whole space effect neat
and beautiful.

Socket Module
This module allows power to be supplied to
third-party appliances from the track
trunking.

Blind cover module
When the cascading track splicing does not follow the installation of the lamp
body, the corresponding track line slot is closed by using a dummy lamp
(blank cover) to prevent the cable from leaking out, so that the overall lighting
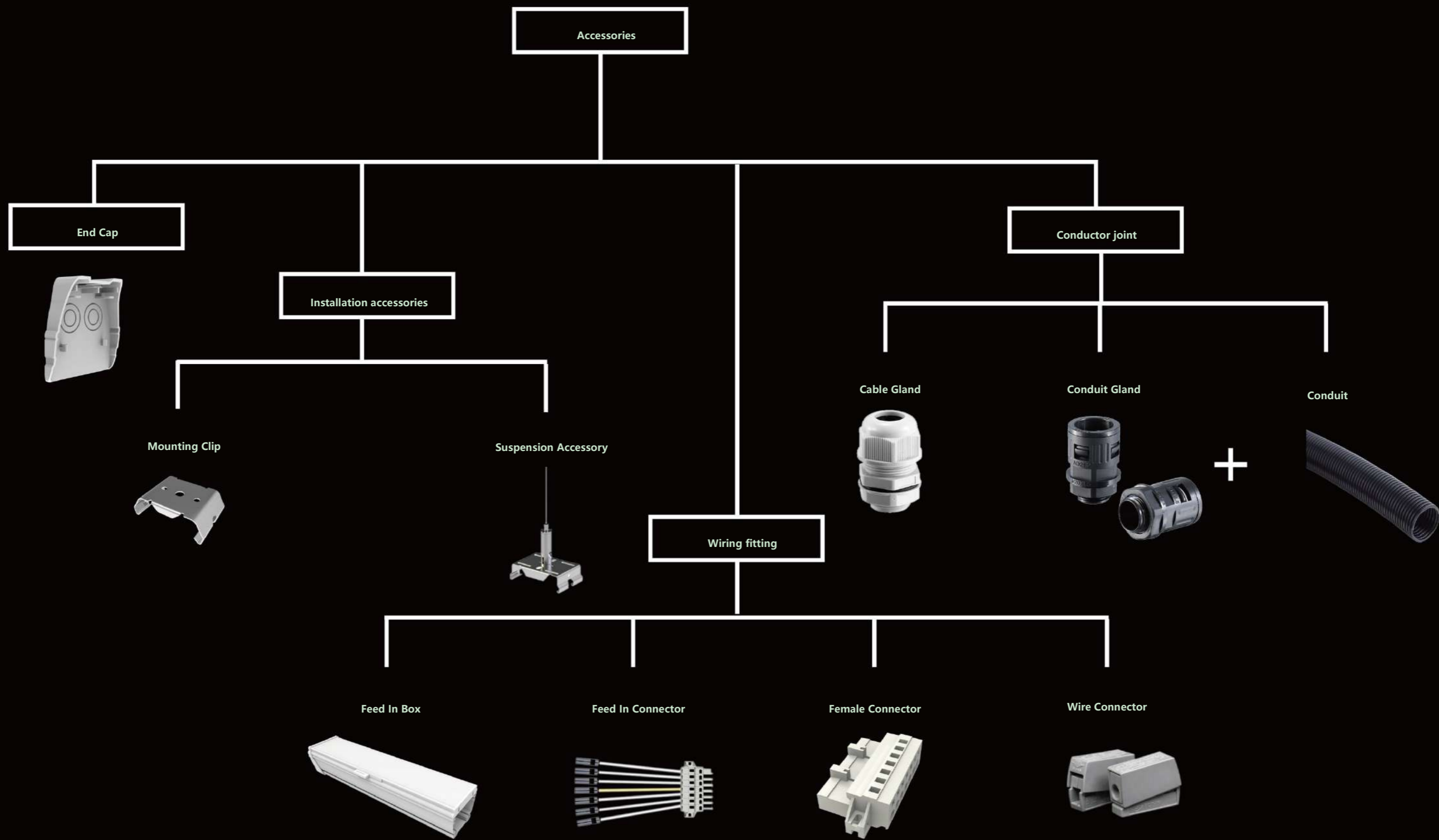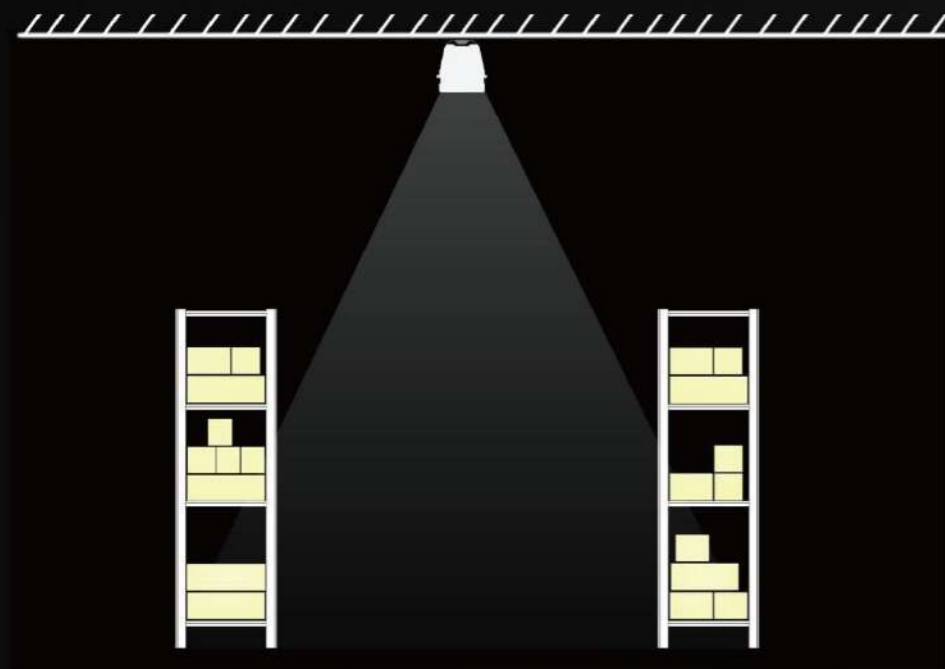system is neat and tidy.

Escape Sign
Widely used in shopping malls, supermarkets,
hotels, entertainment venues, stations, public
buildings and other places for emergency
evacuation of lighting instructions.

T LNode Connector

X Node Connector

L Node Connector

L Node Connector

T Node Connector
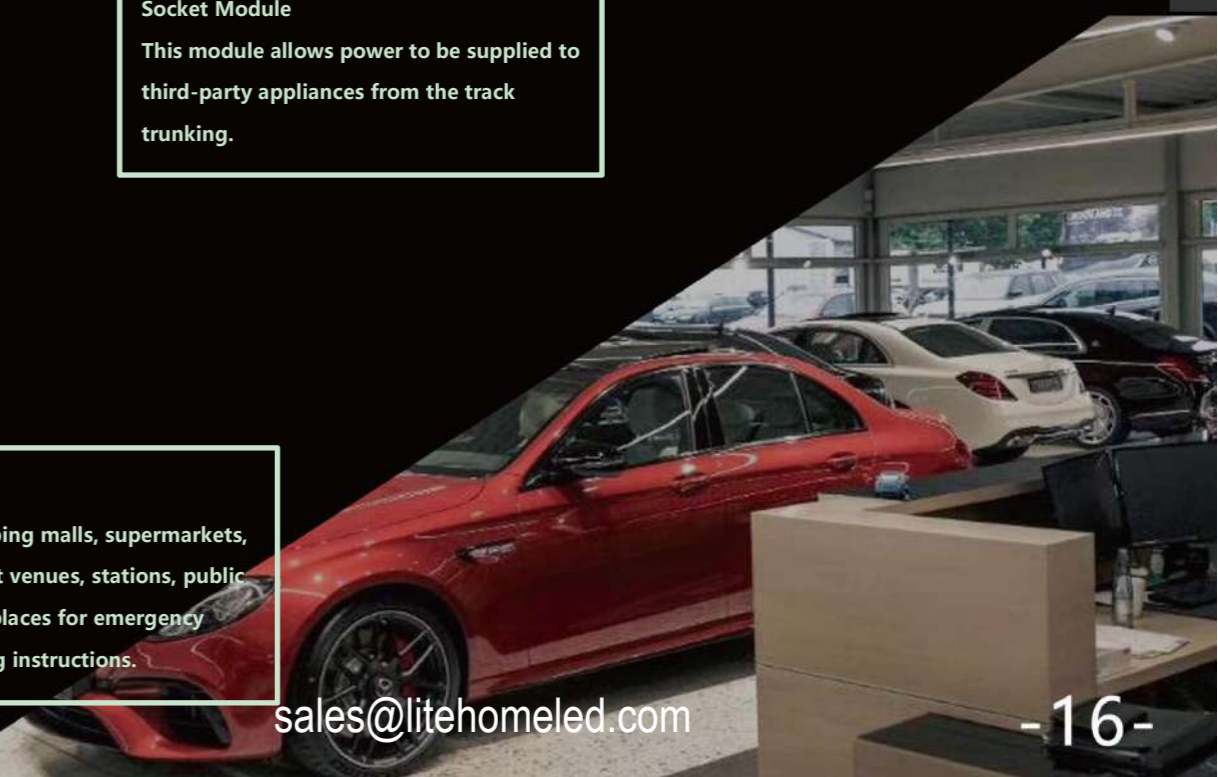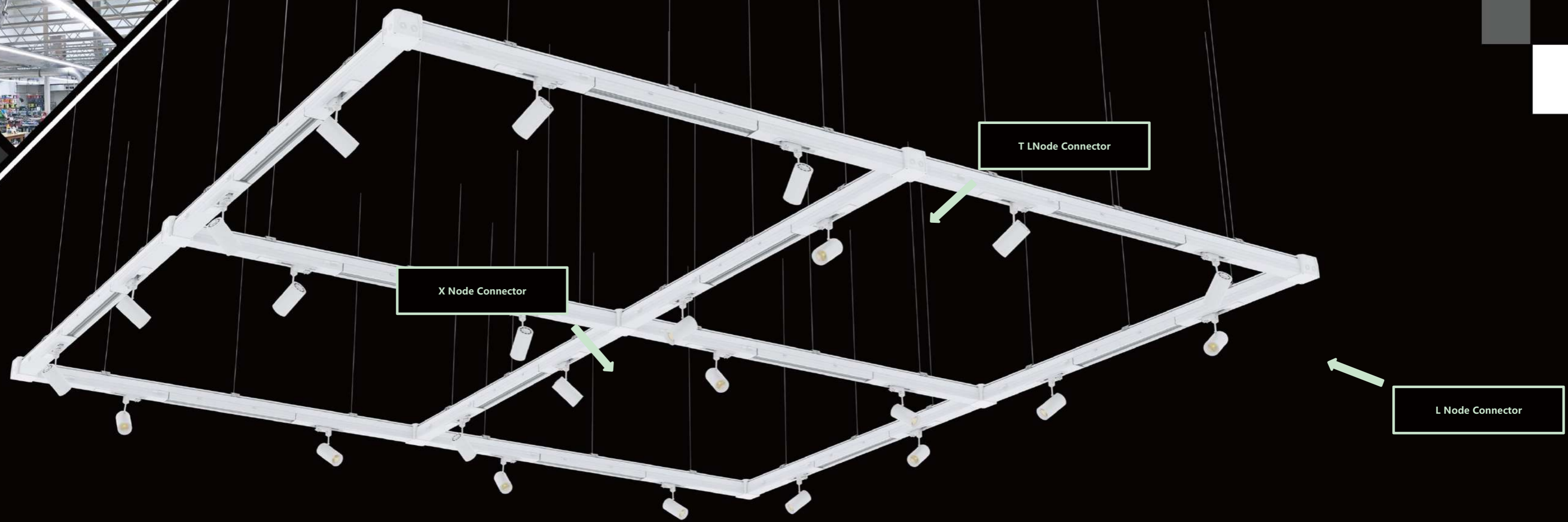
X Node Connector

In the actual installation process, the node has three connection modes, and the connector is used to connect the entire lighting system. Compared with other traditional LED lights, this method will greatly solve various application problems in the installation.
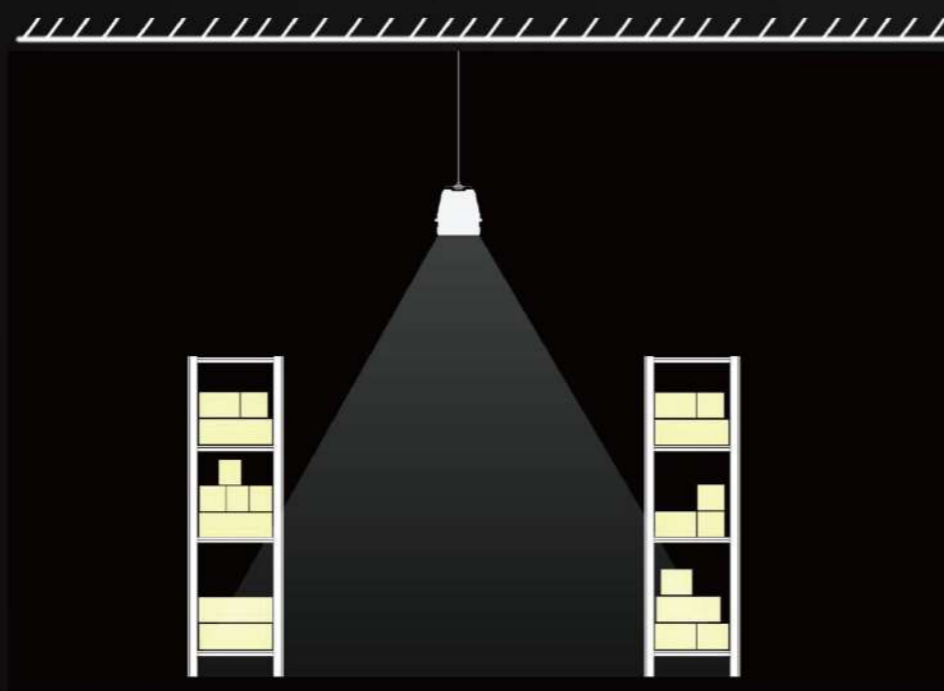
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Accessories

End Cap

Installation accessories

Conductor joint

Mounting Clip

Suspension Accessory

Wiring fitting

Cable Gland

Conduit Gland

+

Conduit

Feed In Box

Feed In Connector

Female Connector

Wire Connector

6870-**D**

Surface mouted installation

single pendant installation

Product specs	LH-TLA23-026-XXXX	LH-TLA45-035-XXXX	LH-TLA55-065-XXXX
US Input Voltage	AC100-277V / AC180-347V		
EU Input Voltage	AC220-240V		
Light Source	SMD 2835		
Storage Temperature	-40℃ - +85℃		
Dimmable	0 / 1 - 10V & Dali		
Beam Angle Options	30° / 60° / 90° / 120 °		
Power Factor	> 0.9		
Shape	Rectangular		
CRI	> 80Ra		
Material	6063 # Aluminum & PC		

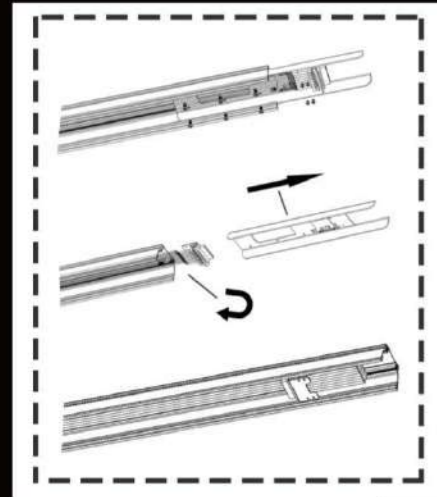www.litehomeled.com
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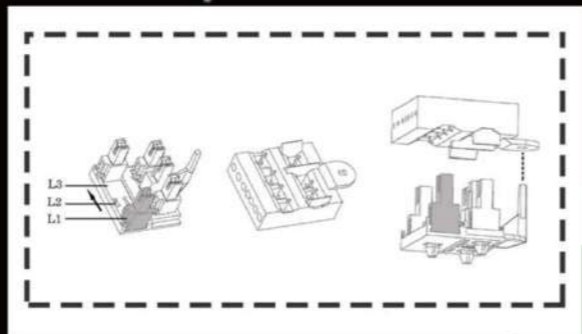sales@litehomeled.com
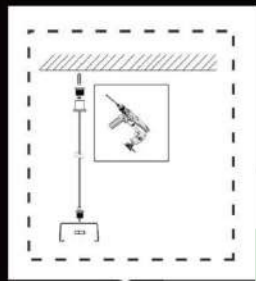
A1 : Hanging Installation Parts
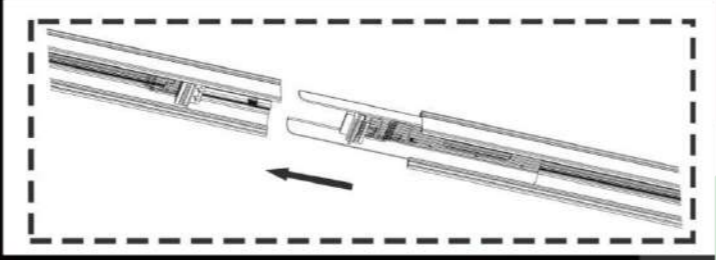
B1 : Splicing tracks, aligning the insertionsites, and then stitching.
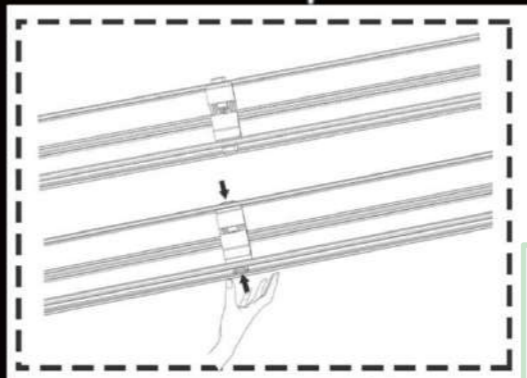
C1 : Install the bellows and connect the corresponding line through the terminal.

D1: Remove the 8 screws on the splicing piece

D2: Remove the splicing piece, Fold the wire and the splicing terminal back into the track
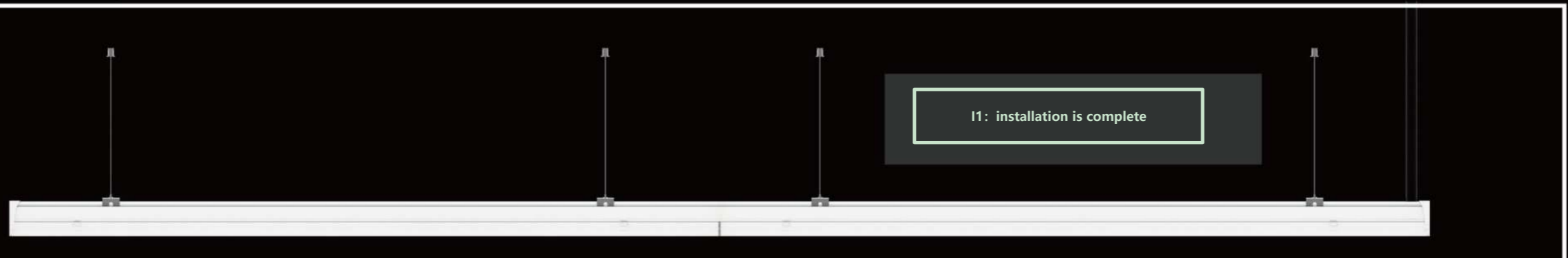
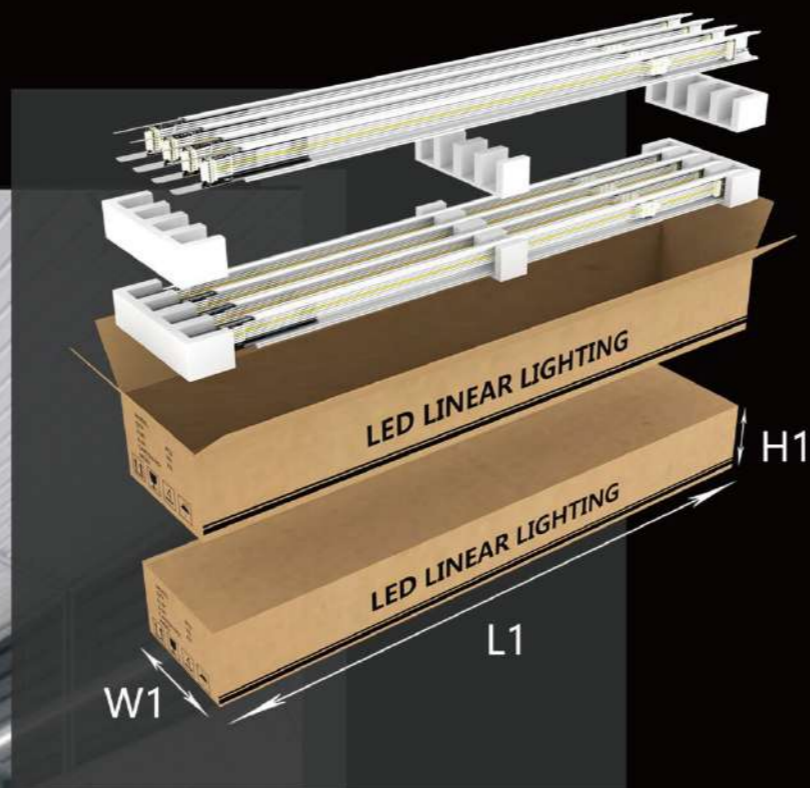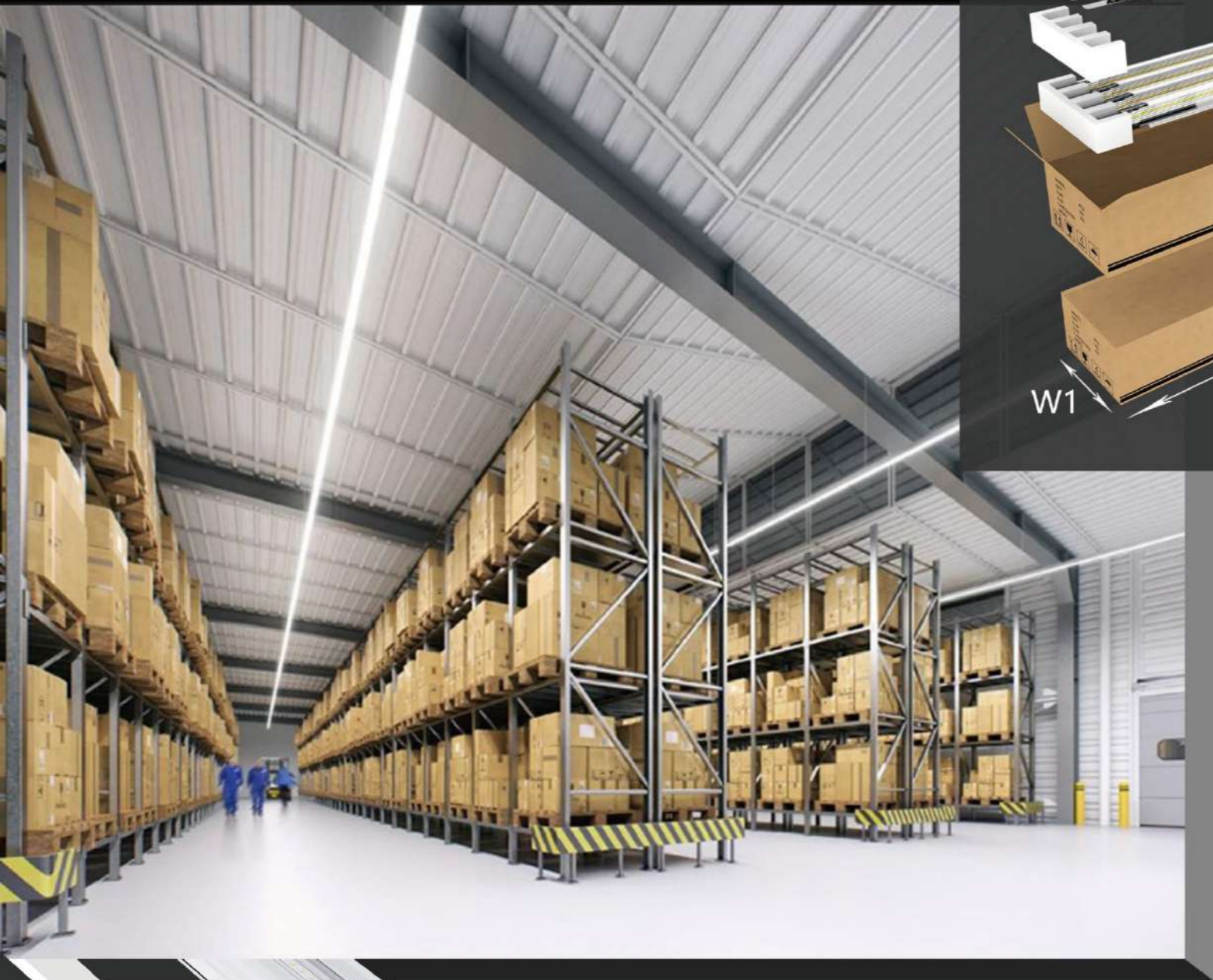E1 : Slide the plug, select L1, L2, L3Wire, and then install the lamp body.

F1 : Push and fix the lamp body into the plug position of the cascade track.

G1: Fix the end cap

I1：installation is complete

Item	Package Dimension (L1*H1*W1)	N.W	N.W Qty / CTN	G.W
LH-TLA23-026-XXXX	775*330*200mm	0.75kg	8PCS	7kg
LH-TLA45-035-XXXX	1345*330*200mm	1.15kg	8PCS	11kg
LH-TLA55-065-XXXX	1345*330*200mm	1.30kg	8PCS	12kg

Item	Package Dimension (L2*H2*W2)	N.W	N.W Qty / CTN	G.W
LH-TLA23-026-XXXX	625*330*200mm	0.75kg	8PCS	6.9kg
LH-TLA45-035-XXXX	1195*330*200mm	1.25kg	8PCS	11.8kg
LH-TLA55-065-XXXX	11475*330*200mm	1.55kg	8PCS	14.5kg

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