

## **SHENZHEN TONYA LIGHTING TECHNOLOGY CO.,LTD**

---

Add : B BLdg,Jinlaiwang Baihua Industrial Park,Guan Guang RD,  
Guangming New District,Shenzhen,P.R.China

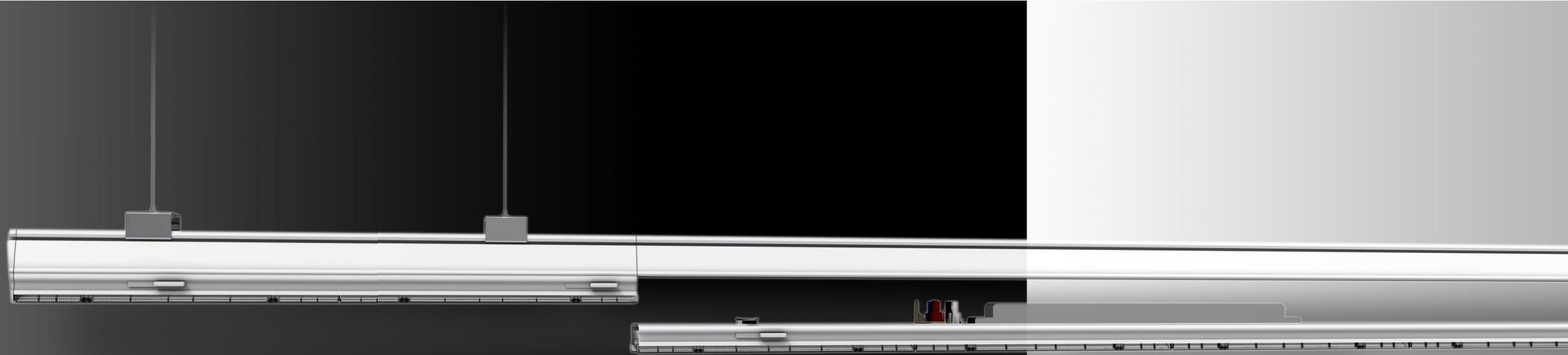
Tel:+86-755-23154966 Fax: +86-755-23154866

Web:[www.tyledlight.com](http://www.tyledlight.com) Email:[sales@tonyalight.com](mailto:sales@tonyalight.com)



# **LED LINEAR LIGHTING SYSTEM**

# LED LINEAR LIGHTING SYSTEM



**Seamless splicing    Quick installation**

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.

# LED track Linear Lighting system

## Features :

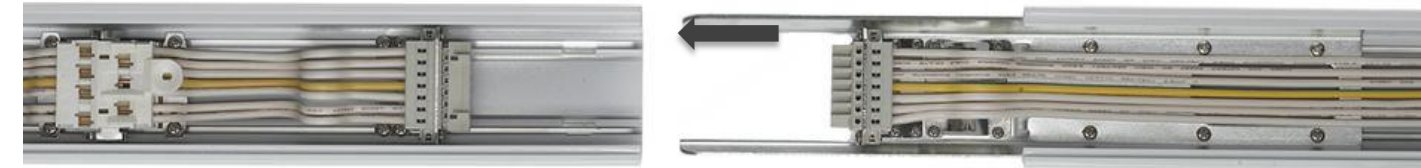
- 60seconds quick insallation without any tools
- Low installation cost - everything in one box and installation is tool-less
- 3-phase circuit preset in the trunking rail, individually controll the lamps as you wish
- Dimming Version: 1-10V & DALI
- Emergency mode: Generator / central battery system
- Sensor mode: microwave sensor & daylight sensor
- X, L and T Standard Module Node connectors
- Mounting Options: chain or cord,surface mounted
- A wide range of optics from 30° to 120° distribution, as well as double asymmetric distribution

## Application :

- 4S
- Commercial
- Industrial
- Warehouse
- Supermarket

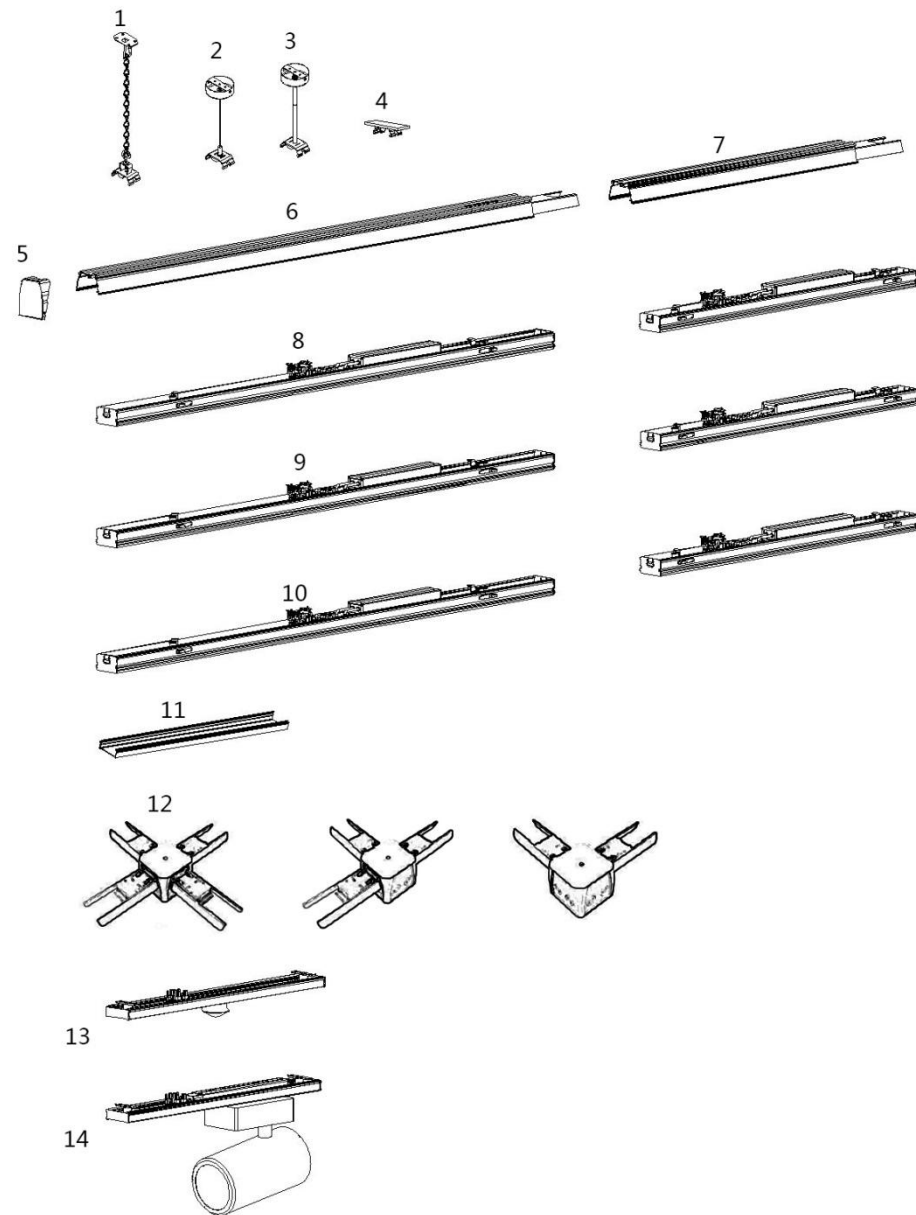
# Orbital overview

- The track is the bracket of the lamp body and the fixed lamp body is installed
- The preset circuit in the track supplies power to the lamp body
- Intertrack splicing, composition system
- When the track leaves the factory, the cable has been preset, there are 3, 5, 7 lines three standard specifications. Among them, 5 lines are basic power supply lines, and other lines other than 5 lines are functional lines, dimming and emergency functions.
- There are three fire wires, one common zero wire and one ground wire in the five wires, and the phase selection terminal in the track is toggled to connect the lamp body to different electric circuits. Three fire line external switches can easily realize the grouping management of different return lamps and lanterns in the system.
- 2.5 square wire diameter wire, maximum current 16A, one line allows 50 60W lamps to be installed.
- Track length has 600mm/1200mm/1500mm three specifications, corresponding to the same length of lamp body.





# system survey



- 1 : Suspension Accessory
- 2 : Suspension Accessory
- 3 : Suspension Accessory
- 4 : Suspension Accessory
- 5 : End Cap
- 6 : 1.5mTrunking Rail
- 7 : 0.6mTrunking Rail
- 8 : LED Lighting
- 9 : 0-10V/DALI
- 10 :Emergency
- 11 : Blank Cover
- 12 :Node Connector( L, T, X )
- 13 : Motion Sensor Module
- 14 : Track Rail Module

# Node adapter



L Connector



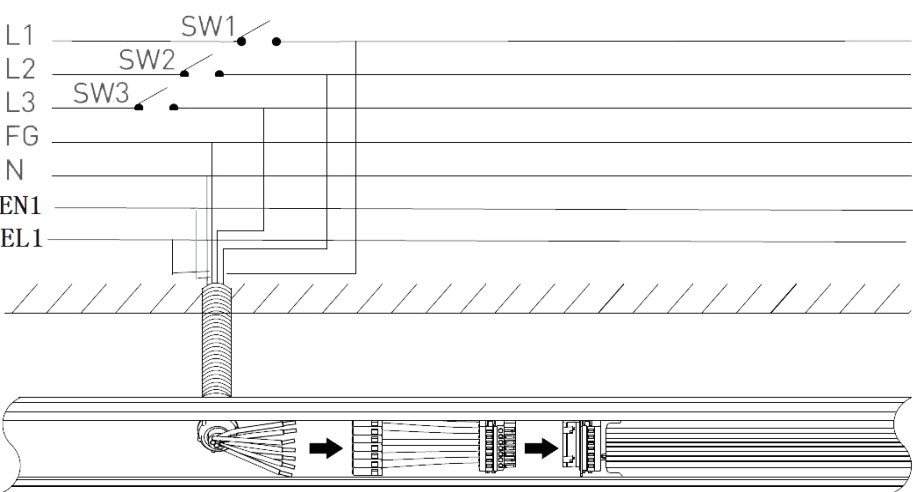
T Connector



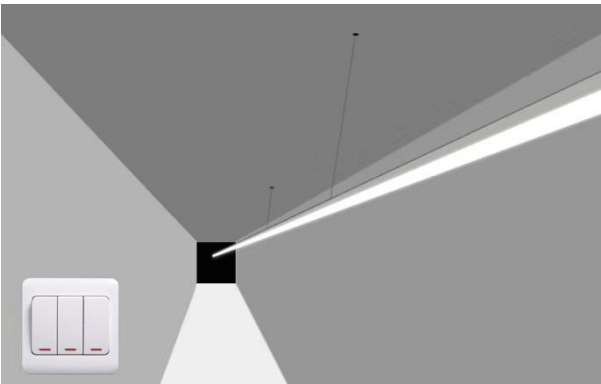
X Connector



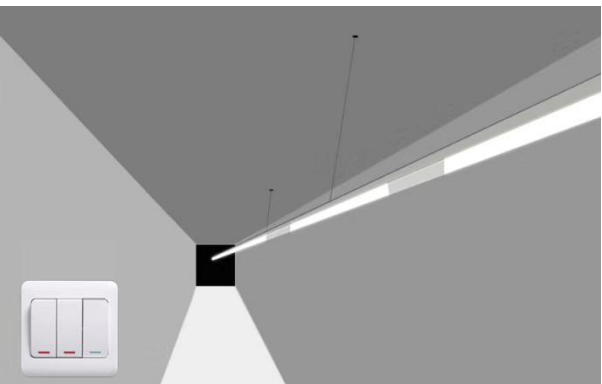
# 3-Phase Circuit



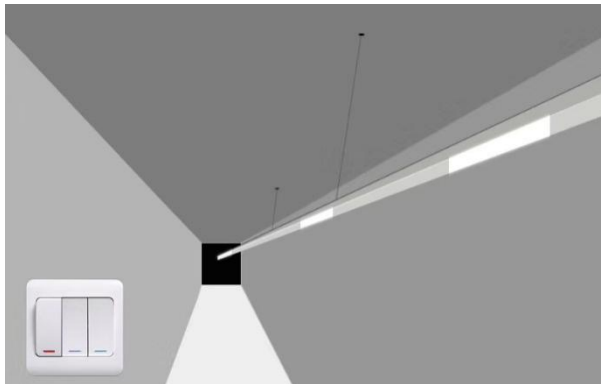
You can turn on/ off the lamp by the switches SW1 / SW2 / SW3 and the switches are connecting with the firewires L1 / L2 / L3



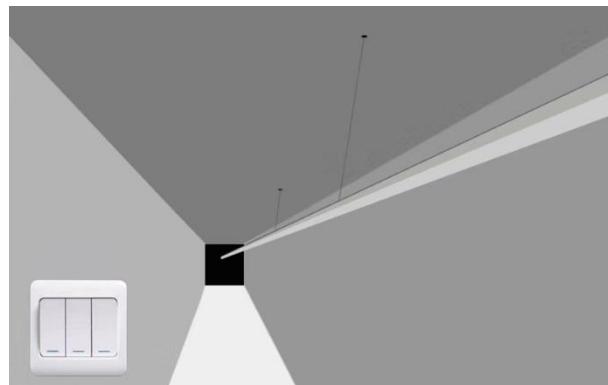
Scene 1  
All the lamps are on when you are working



Scene 2  
You can turn some lights off during the overtime hours

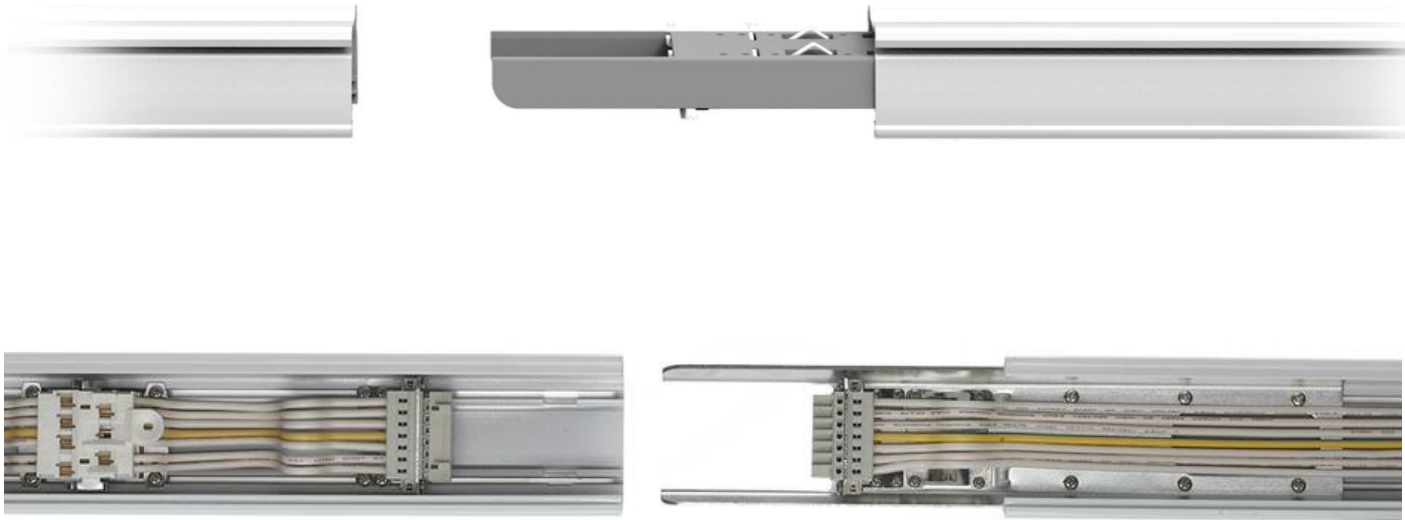


Scene 3  
Only turn on one third of the lights during the lunch break



Scene 4  
All the lamps are off after the work

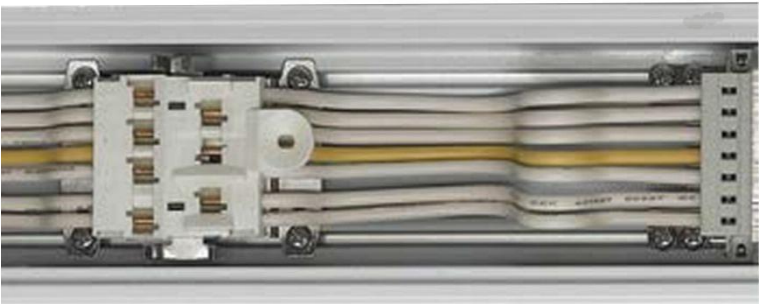
SHENZHEN TONYA LIGHTING TECHNOLOGY CO.,LTD



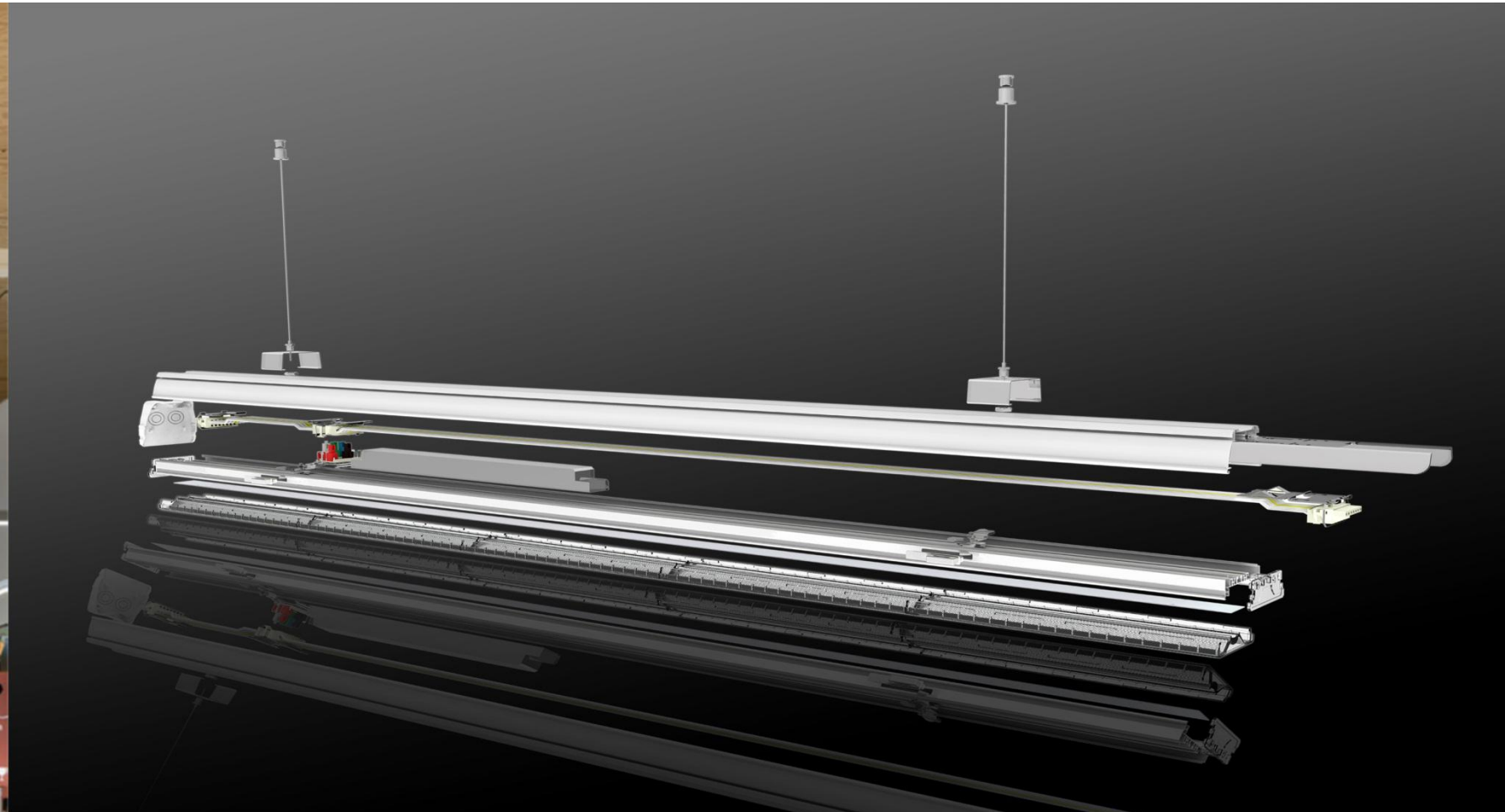
## 5Wire

5 line track-there are three fire lines, one common zero wire and ground wire, which are the basic power supply lines, turn on the internal devices of the lamp body, select L 1, L 2, L 3 arbitrary lines to realize independent segmented (on / off) control.

## 7Wire







## LED LINEAR LIGHTING SYSTEM

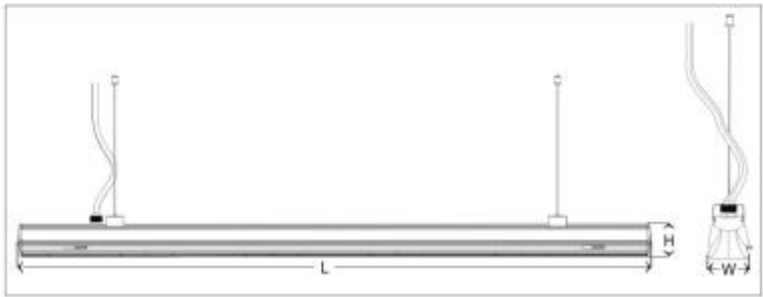
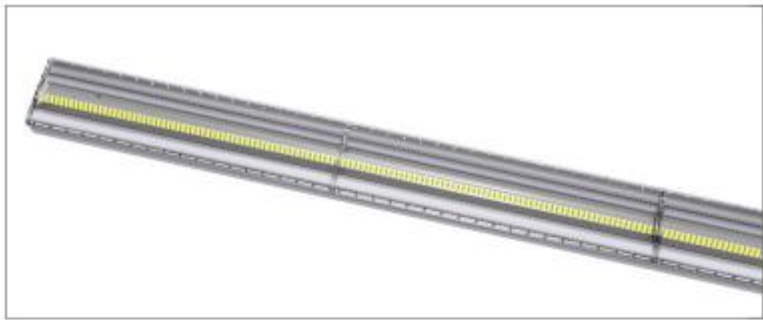
A considerable advantage of the system lies in its construction, which gives it a new height in function, optics, installation, and visual aesthetics.



# Lighting module TY-LS6870 — 600

SHENZHEN TONYA LIGHTING TECHNOLOGY CO.,LTD

power	16W	24W
Size	L570*W68*H70mm	
LM	130lm/w	150lm/w
color	3000K 4000K 5000K 6000K	
CRI	Ra > 80	
Waterproof	IP20	
Material	aluminium	
Color	White	Black
Lifespan	>50.000 h	
storage temperature	-40°C ~ +70°C	
working temperature	-30°C ~ +50°C	



PN	Power	LM	efficacy	circuit
TY-LS6870-0616	16W	2080lm/2400lm	130lm/w 150lm/w	3/5/7
TY-LS6870-0624	24W	3120lm/3600lm	130lm/w 150lm/w	3/5/7

Optional optical angle	30°
	60°
	90°
	120°
	Double deviation25°

circuit	5-Leiter
function	5Wires ( L1 , L2 , L3 , N, PE )

circuit	7-Leiter
function	Dimming ( DALI / 1-10V )
	emergency ( Emergency battery / UPS system )
	Induction ( Microwave sensor/ daylight sensor )

# Lighting module TY-LS6870 — 1200

power	32W	40W
Size	L1136*W68*H70mm	
LM	130lm/w	150lm/w
color	3000K 4000K 5000K 6000K	
CRI	Ra > 80	
Waterproof	IP20	
Material	aluminium	
Color	White	Black
Lifespan	>50.000 h	
storage temperature	-40°C ~ +70°C	
working temperature	-30°C ~ +50°C	



SHENZHEN TONYA LIGHTING TECHNOLOGY CO.,LTD



PN	Power	LM	efficacy	circuit
TY-LS6870-1232	32W	4160lm/4800lm	130lm/w 150lm/w	3/5/7
TY-LS6870-1240	40W	5200lm/6000lm	130lm/w 150lm/w	3/5/7

Optional optical angle	30°
	60°
	90°
	120°
	Double deviation25°

circuit	5-Leiter
function	5Wires ( L1 , L2 , L3 , N, PE )

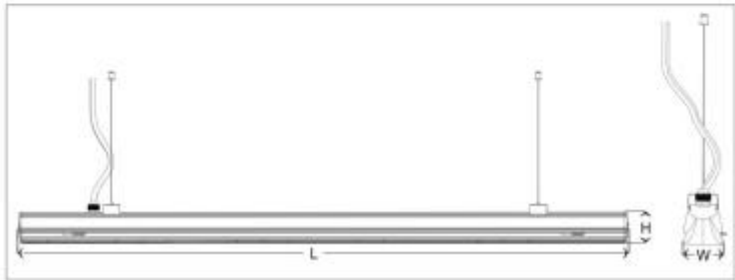
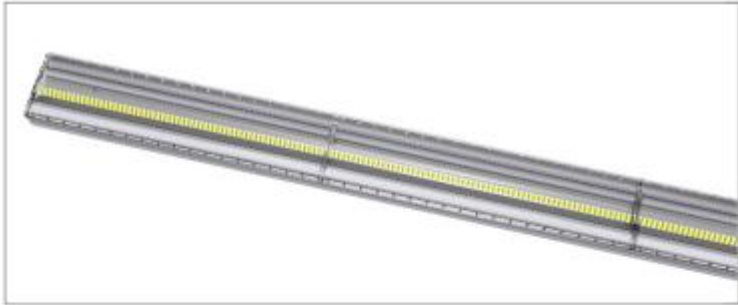
circuit	7-Leiter
function	Dimming ( DALI / 1-10V )
	emergency ( Emergency battery / UPS system )
	Induction ( Microwave sensor/ daylight sensor )



Lighting module TY-LS6870 — 1500

SHENZHEN TONYA LIGHTING TECHNOLOGY CO.,LTD

power	40W	60W
Size	L1418*W68*H70mm	
LM	130lm/w	150lm/w
color	3000K 4000K 5000K 6000K	
CRI	Ra > 80	
Waterproof	IP20	
Material	aluminium	
Color	White	Black
Lifespan	>50.000 h	
storage temperature	-40°C ~ +70°C	
working temperature	-30°C ~ +50°C	



PN	Power	LM	efficacy	circuit
TY-LS6870-1540	40W	5200lm/6000lm	130lm/w 150lm/w	3/5/7
TY-LS6870-1560	60W	7800lm/9000lm	130lm/w 150lm/w	3/5/7

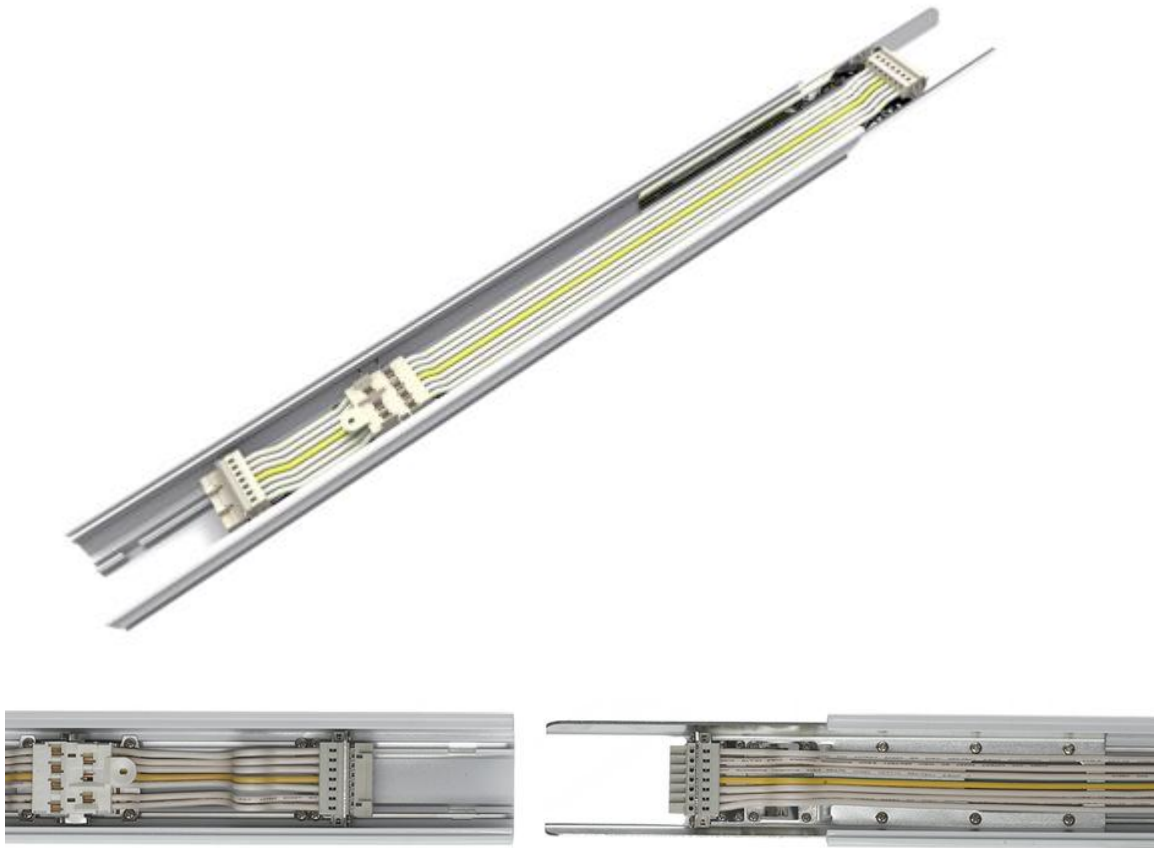
Optional optical angle	30°
	60°
	90°
	120°
	Double deviation25°

circuit	5-Leiter
function	5Wires ( L1 , L2 , L3 , N, PE )

circuit	7-Leiter
function	Dimming ( DALI / 1-10V )
	emergency ( Emergency battery / UPS system )
	Induction ( Microwave sensor/ daylight sensor )



# Trunking Rail



PN	Length	describe	material
TY-LS6870-06-3X	570mm	3Wire	aluminium
TY-LS6870-06-5X	570mm	5Wire	
TY-LS6870-06-7X	570mm	7Wire	
TY-LS6870-12-3X	1136mm	3Wire	aluminium
TY-LS6870-12-5X	1136mm	5Wire	
TY-LS6870-12-7X	1136mm	7Wire	
TY-LS6870-15-3X	1418mm	3Wire	aluminium
TY-LS6870-15-5X	1418mm	5Wire	
TY-LS6870-15-7X	1418mm	7Wire	

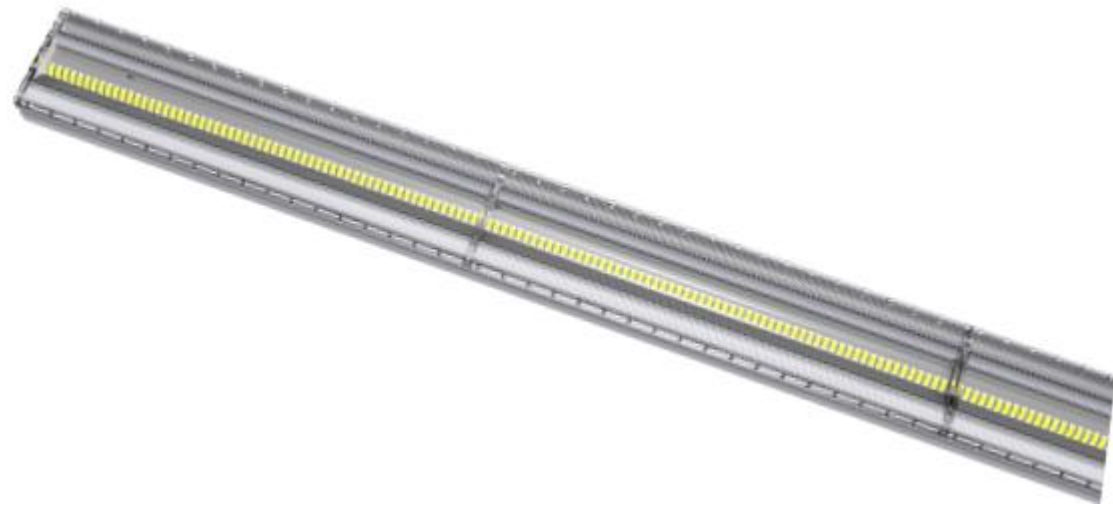


LINEAR IGHTLNG SYSTEM

Lights, lines, and rails are integrated, and the tracks are seamlessly cascaded to avoid the complexity and disorder of the system. The visual effects are only continuous and uniform.



# Optics



With six optical lens, LED realized all the necessary features to handle various tasks in industrial and commercial sector. It helps people work precisely to increase operation efficiency and triple saves energy in engineering applications. It also benefits commercial area for presentation and retailing without extra

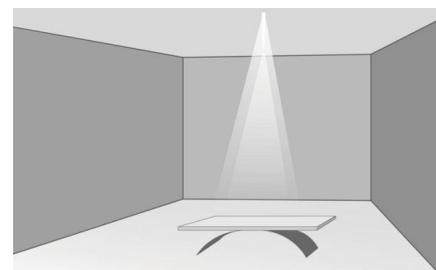
## LED Sharp Angle (30°)

### - For warehouse lighting

This sharp angle is ideal for application of the industrial sector such as warehouse and precise working area etc.

Applied to warehouse shelving can make goods be seen easily and clearly. For the other unimportant areas, the light will be less bright so that all goods on shelf will be highlighted.

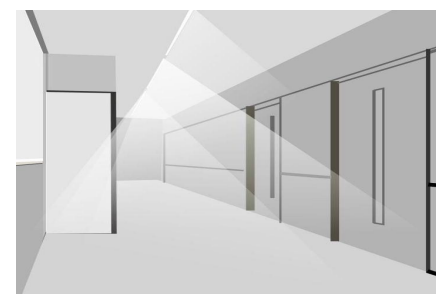
The high uniform illumination helps to reduce fault in precise working .In other words, it helps to increase production efficiency.



## LED Narrow Angle(60°)

### - For Hospital Courior60

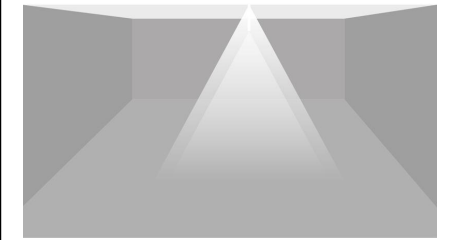
This narrow angle is ideal for corridors, aisles and passages of hospital , schools, office building etc .It gives well-distributed illumination , not too bright or too dark for general lighting in corridors .With blank lamp , it saves more energy, keeping less and easy installation work



## LED Wide Angle (90°)

### - For Indoor basketball Court

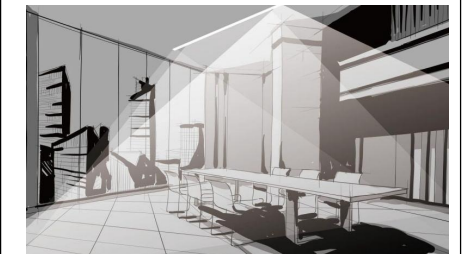
The wide angle is ideal for lighting more spaces and wide applications. In this way , the light can cover more spaces and wider applications with good illumination distribution, best for car parking place, dinning halls and wider shelf with longer distance.



## LED Flat Angle(120°)

### - For Office Lighting

It's applicable for general lighting like office building, schools ,airport or train station, meeting halls ,etc. It makes light well-distributed with low glare, and also bright enough for working or study, which is good for human eyes .

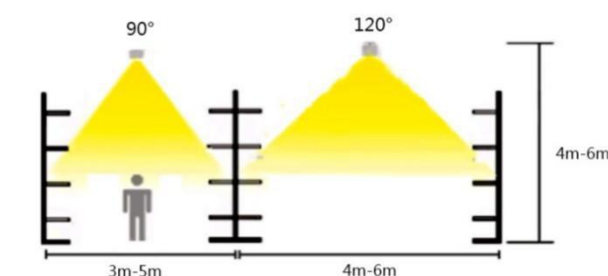
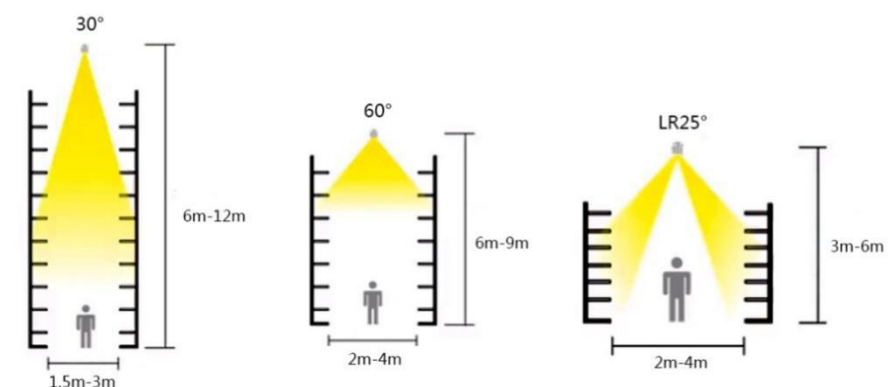
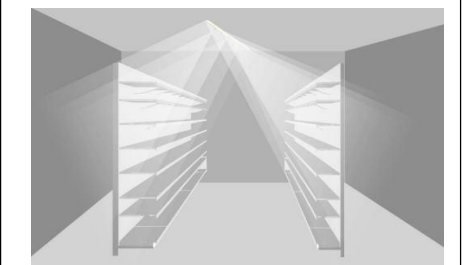
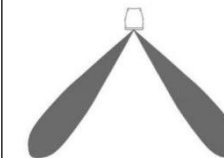


## LED Double Asymmetric Angle (25°)

### - For Supermarket

#### shelf

This beam is especially designed for shelf presentation and retailing areas for supermarket and grocery stores. It's double asymmetrical light distribution , which emphasizes on shelf surfaces on both side, but ignore less important areas like passages. So the less important areas will be not as bright as the shelf surface with goods on display. Thereof , customers' attention will be caused directly to the goods at the first sight.

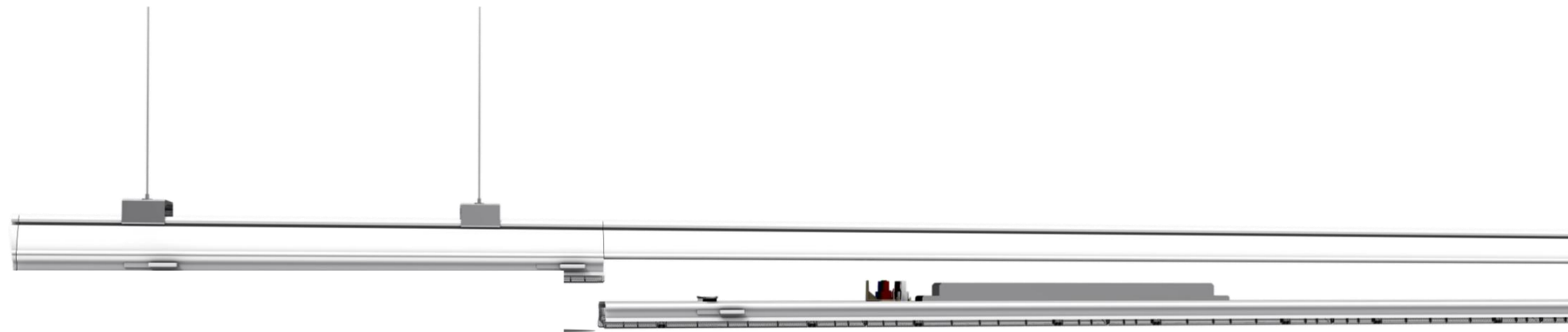




**LED-LINEAR LIGHTING SYSTEM** is a highly-convenient, energy-saving lighting system that responds to functional requirements in different locations by replacing modules.







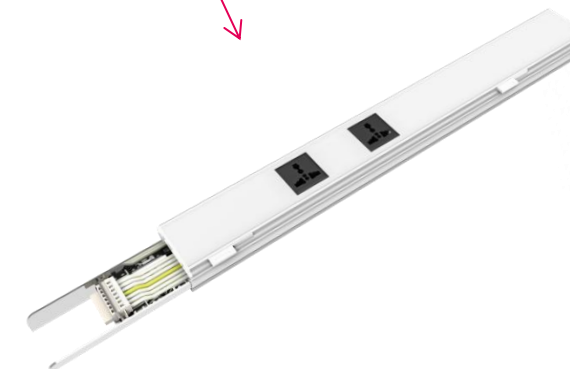
track spot lamp



Escape sign



False light (blank cover)



splice

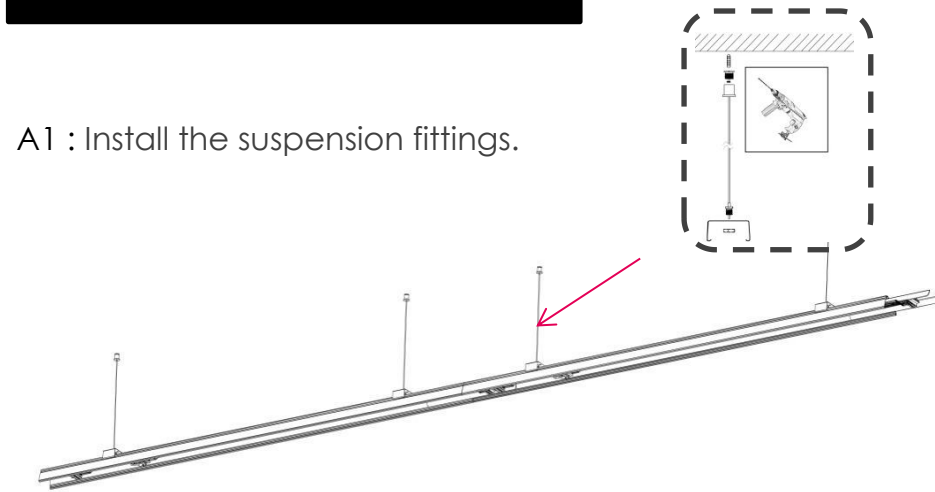


Sensor (microwave sensor / daylight sensor)

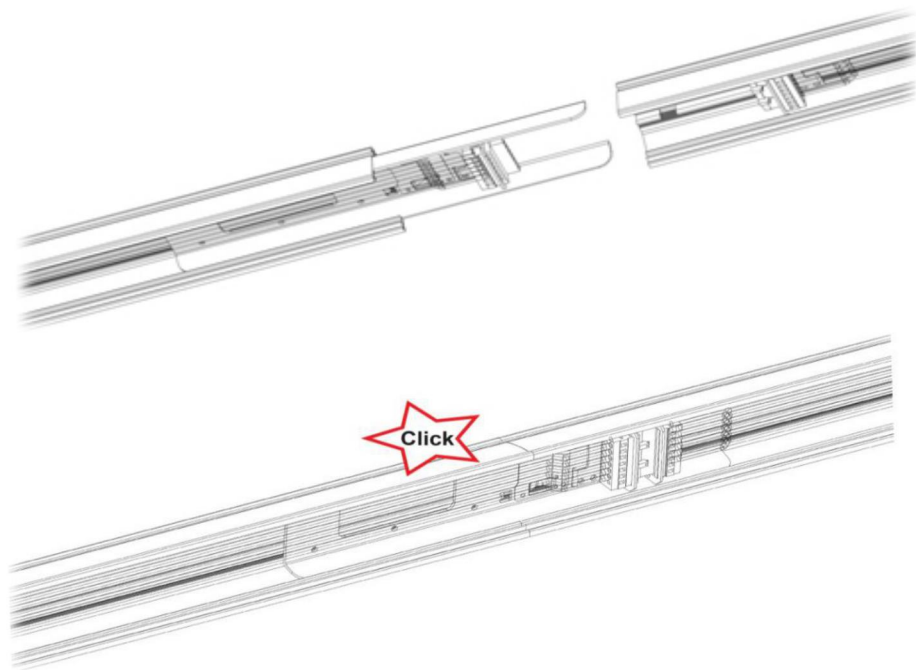
# Installation

SHENZHEN TONYA LIGHTING TECHNOLOGY CO.,LTD

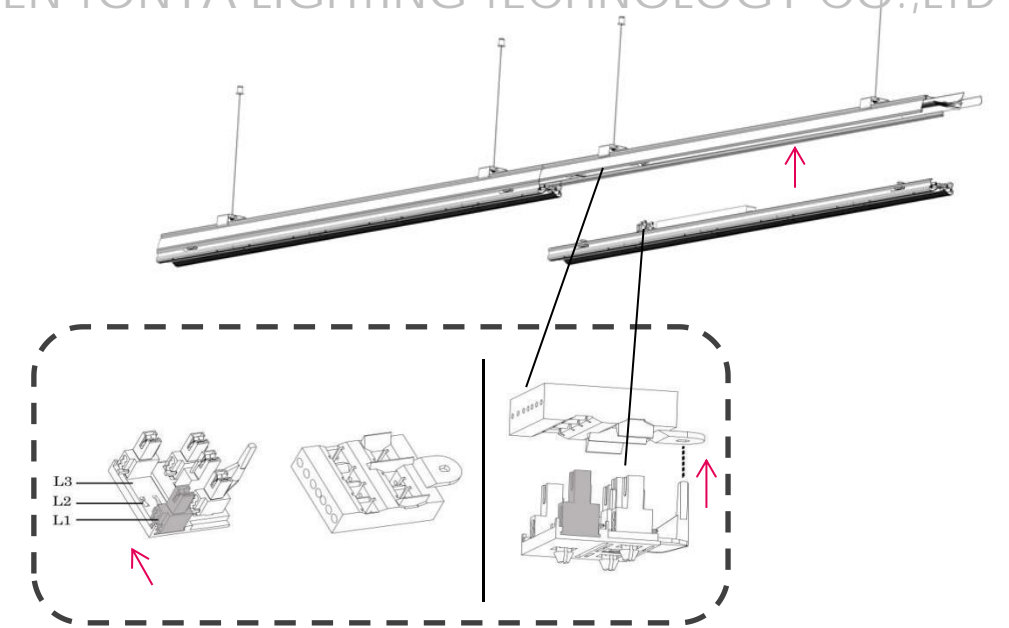
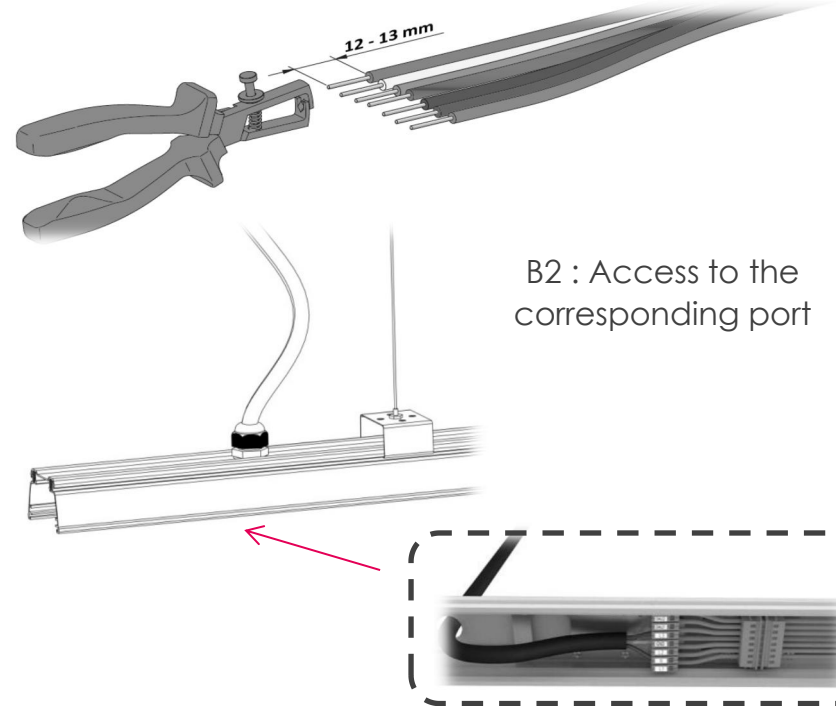
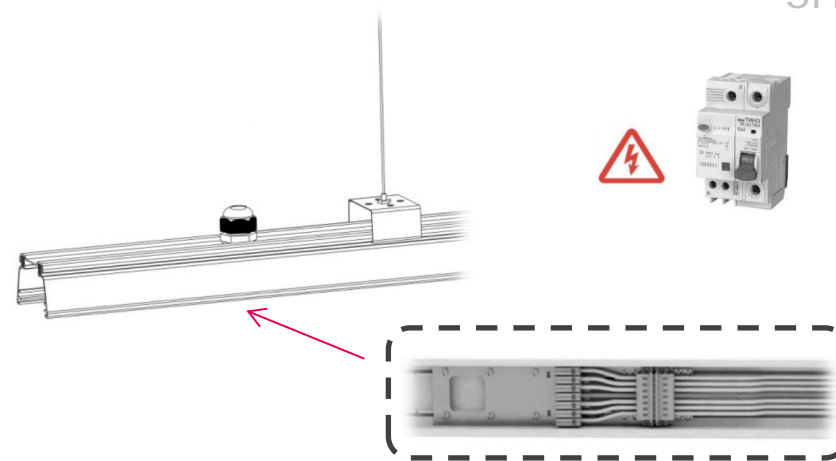
A1 : Install the suspension fittings.



A2 : Splice track, align insert position, and then splice.

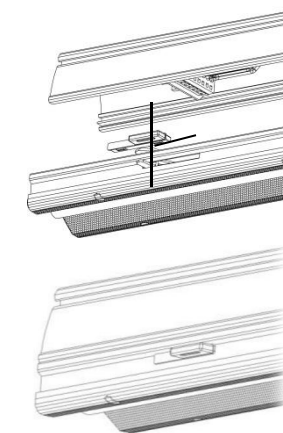


B2 :Wire tail peeling 12mm

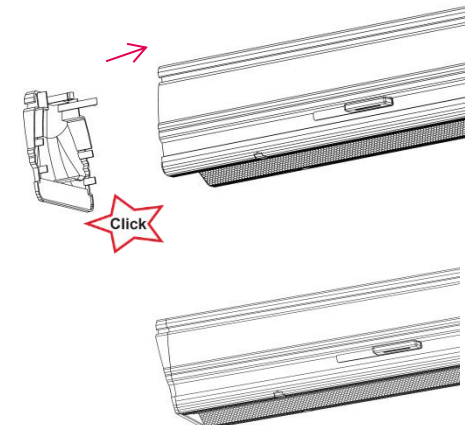


C1 :Dial the plug-in, select L 1, L 2, L 3 line, and then install the lamp body.

C2 : Close the switch



C3 : Installation plug



D : Finished

Tonyalight

[www.tyledlight.com](http://www.tyledlight.com)

Email: [sales@tonyalight.com](mailto:sales@tonyalight.com)



Accessory

Sample Package

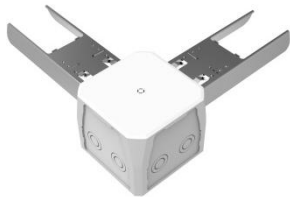
Suspension Accessory



Feed In Box



L Node Connector



Suspension Accessory



T Node Connector



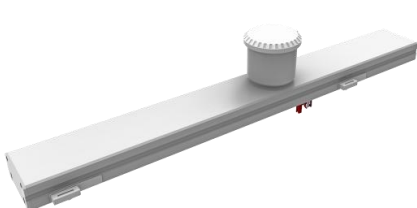
X Node Connector



Batch Package

Module

Motion Sensor Module



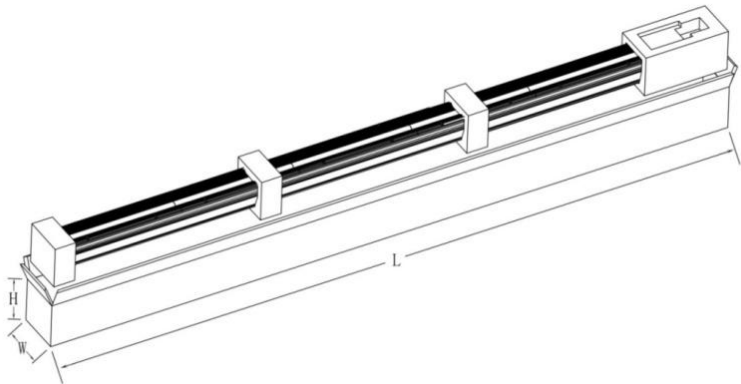
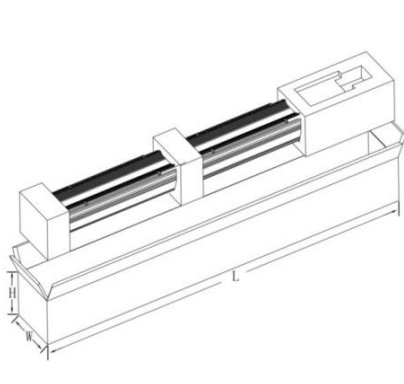
Mounting Clip

Blank Cover

End Cap

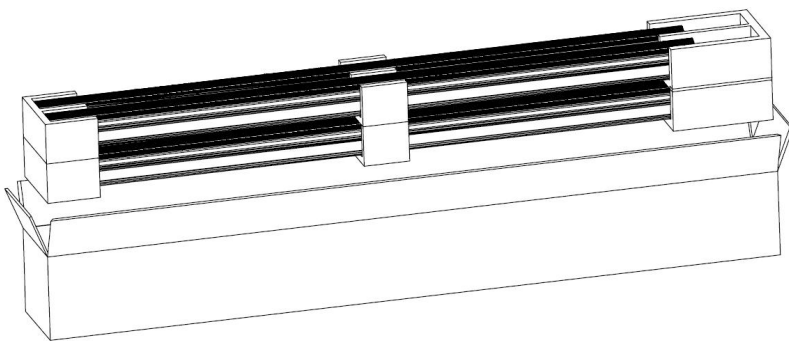


SHENZHEN TONYA LIGHTING TECHNOLOGY CO.,LTD



Length	CTN Size	Weight PCS/KG	Quantity/ctn	Weight/KG
0.6m	790*110*120mm	1.5KG	1pcs/ctn	2KG
1.2m	1370*110*120mm	2.4KG	1pcs/ctn	3.5KG
1.5m	1650*110*120mm	2.85KG	1pcs/ctn	4KG

Batch Package



Length	CTN Size	Weight PCS/KG	Quantity/CTN	Weight/KG
0.6m	760*200*200mm	1.5KG	4pcs/ctn	6.6KG
1.2m	1325*200*200mm	2.4KG	4pcs/ctn	10.8KG
1.5m	1610*200*200mm	2.85KG	4pcs/ctn	12.8KG