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LED Linear Trunking System

- 160LM/W
- ENEC approved
- 5 Years Warranty
- Compatible with 95% existing T5/T8 trunking



LED Linear Trunking System

100-277V

Retrofit and Compatible with Following Trunking



1 • Features

1 - Fast installation 43 seconds



2 - Owned Lens Design



- Even distribution
- No gap
- PMMA no yellowing
- Easy for clean

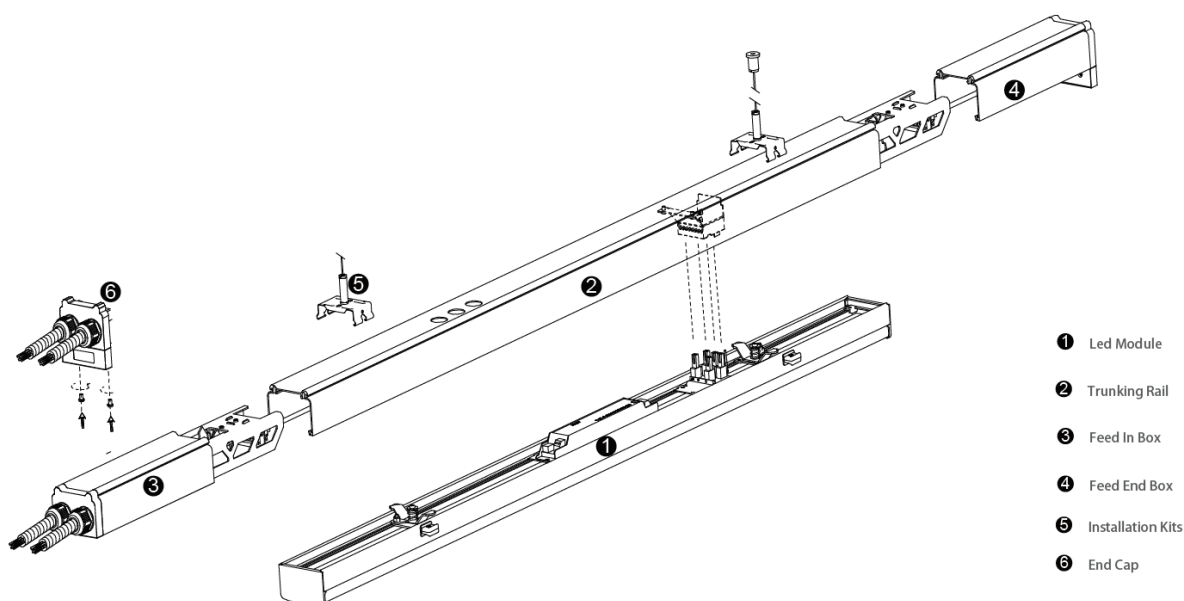
3 - Power Turnable

- Tridonic: 60W/55W/50W/45W/42W
- Osram: 60W/50W/42W/32W
- AGT: 60W/64W/68W/72W

4 - Easily linkable

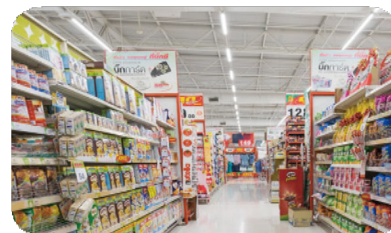


2 • Explosion Drawing



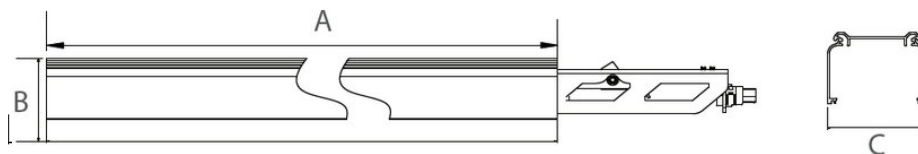
3 • Application

Supermarkets, warehouses, production lines, exhibition & showrooms, offices and meeting rooms



4•Trunking

- Dimension (mm)



| Model NO. | Size A(mm) | Size B(mm) | Size C(mm) |
|-----------|------------|------------|------------|
| TKA2 | 578 | 72/82 | 65 |
| TKA4 | 1150 | 72/82 | 65 |
| TKA5 | 1438 | 72/82 | 65 |
| TKA9 | 2876 | 72/82 | 65 |

- Wiring system

2 cables for dimming
(2 x 2.5 mm²)

4 cables for emergency lighting circuits
(4 x 2.5 mm²)



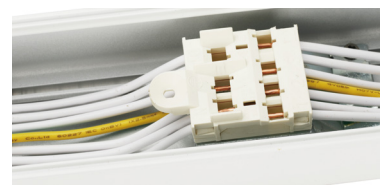
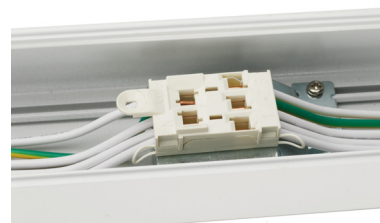
5 cables for power supply (5 x 2.5 mm²)
· L1, L2, L3, N, FG

■ 5 Wires: L1, L2, L3, N, FG

■ 7 Wires: L1, L2, L3, N, FG & DIM+, DIM-


■ 11 Wires: L1, L2, L3, N, FG & DIM+, DIM-

& 4 wires for Emergency converter & Battery



• Trunking Specification

*New trunking is not mandatory, our system is compatible with 95% of existing T5/T8 trunking, save your cost again!

| Length | Model No. | Wires | Function | Description | Picture |
|--------------------|-----------|----------|-------------|--|---|
| 600mm (578mm) | TKA2-05W | 5 wires | Non-Dimming | 5 x 2.5 mm ² cable pre-wired |  |
| | TKA2-07W | 7 wires | 1-10V /Dali | 7 x 2.5 mm ² cable pre-wired | |
| | TKA2-11W | 11 wires | Emergency | 11 x 2.5 mm ² cable pre-wired | |
| 1500mm (1438mm) | TKA5-05W | 5 wires | Non-Dimming | 5 x 2.5 mm ² cable pre-wired | |
| | TKA5-07W | 7 wires | 1-10V /Dali | 7 x 2.5 mm ² cable pre-wired | |
| | TKA5-11W | 11 wires | Emergency | 11 x 2.5 mm ² cable pre-wired | |
| 3000mm (2876mm) | TKA9-05W | 5 wires | Non-Dimming | 5 x 2.5 mm ² cable pre-wired | |
| | TKA9-07W | 7 wires | 1-10V /Dali | 7 x 2.5 mm ² cable pre-wired | |
| | TKA9-11W | 11 wires | Emergency | 11 x 2.5 mm ² cable pre-wired | |

5• LED Light Module

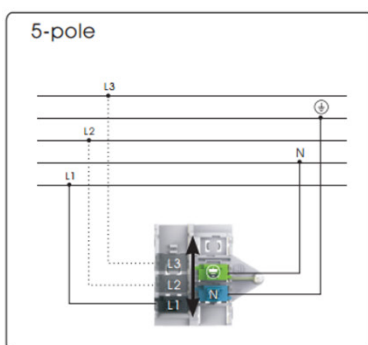


- PMMA Optical Lens (H: 27mm)



- PC Diffuser (H: 37 mm)

• Wire connector plug



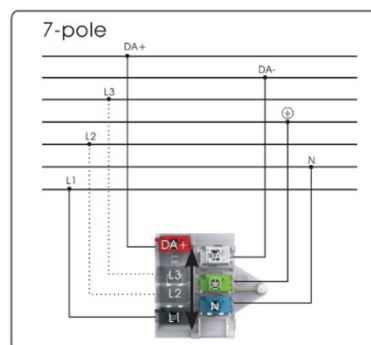
3 Pin wire connector plug:

For 5 wiring trunking rail

* Green: FG

* Blue: N

* Black: L1, L2, L3 phase selection knob



5 Pin wire connector plug:

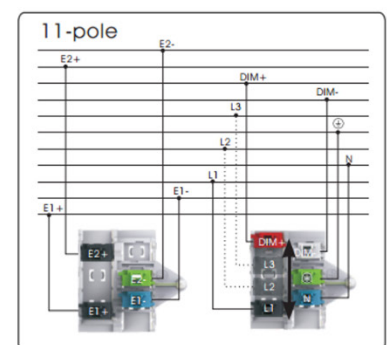
For 7 wiring trunking rail

* Green: FG

* Blue: N

* Red/White: D+/D-, DIM+/DIM-

* Black: L1, L2, L3 phase selection knob



9Pin wire connector plug:

For 11 wiring trunking rail

* D+/D-: Dimming driver

* A/B/C/D: Emergency driver and battery

* L: L1, L2, L3 phase selection knob

• LED Module Specification

- with ENEC/UL Approval Driver | Non-Dimming

| Length | Product Code | Power | Lumen | LM/W | Input Voltage | PF/THD | CCT | IP | Function |
|--------|--------------|----------------------------|-----------|----------|---------------|-----------------|------------|------|------------|
| 1438mm | RSL-60-S1 | 60W can adjust 50W/42W/32W | MAX9600LM | 160 Lm/W | AC 100-277V | PF>0.95/THD<15% | 3000-6500K | IP40 | NO-Dimming |

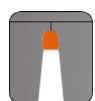
- with ENEC/UL Approval Driver | Non-Dimming & DALI

| Length | Product Code | Power | Lumen | LM/W | Input Voltage | PF/THD | CCT | IP | Function |
|--------|--------------|----------------------------|-------------|----------|----------------|-----------------|------------|------|------------|
| 1438mm | RSL-60-T1 | 60W can adjust 55W/50W/42W | MAX9600LM | 160 Lm/W | AC/DC 100-277V | PF>0.95/THD<15% | 3000-6500K | IP40 | NO-Dimming |
| 1438mm | RSL-70-T4 | 16-70W | Max 10000LM | 150 Lm/W | AC/DC100-277V | PF>0.95/THD<15% | 3000-6500K | IP40 | DALI |

- with ENEC/UL Approval Driver | 1-10V Dimming

| Length | Product Code | Power | Lumen | LM/W | Input Voltage | PF/THD | CCT | IP | Function |
|--------|--------------|----------------------------|-------------|----------|----------------|-----------------|------------|------|----------|
| 1438mm | RSL-72-A3 | 72W can adjust 68W/64W/60W | Max 10000LM | 150 Lm/W | AC/DC 100-277V | PF>0.95/THD<15% | 3000-6500K | IP40 | 1-10V |

• Beam Angle



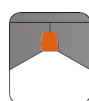
30°



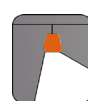
60°



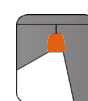
90°



120°



Asymmetric-R



Asymmetric-L



25° Double

• Other Specs

. Aluminum +PC/PMMA

. White Frame

. Operation Temperature:
-15°C~+50°C

. Microwave Sensor

. L70B50 @Ta 25°C: 80000h

. 5 years warranty

. Storage: -25°C~+55°C

.SMD2835 RA>80


• Maximum loading of automatic circuit breakers

| Automatic circuit breaker type | C10 | C13 | C16 | C20 | B10 | B13 | B16 | B20 | Inrush current | |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------|--------|
| Installation | 1.5 mm ² | 1.5 mm ² | 1.5 mm ² | 2.5 mm ² | 1.5 mm ² | 1.5 mm ² | 1.5 mm ² | 2.5 mm ² | I _{max} | Time |
| Tridonic 72W | 21 | 28 | 36 | 46 | 13 | 17 | 22 | 28 | 33 A | 250 μs |
| OSRAM 65W | | | | | 8 | | 13 | | 40 A | 200 μs |
| OSRAM 60W | | | | | 8 | | 13 | | 53 A | 300 μs |


6• Accessory part

• Track Rail Module

* can be mounted with track spotlight, track downlight, motion sensor, emergency exit sign etc.,

| Length | Model No. | Track Rail Length | Picture |
|--------|-----------|-------------------|---|
| 578mm | TR-06-05 | 578mm 5 wires |  |
| | TR-06-07 | 578mm 7 wires | |
| 1438mm | TR-15-05 | 1438mm 5 wires | |
| | TR-15-07 | 1438mm 7 wires | |

• Blank Cover

| Length | Model No. | Description | Picture |
|--------|-----------|----------------------|---|
| 578mm | RE-06-FF | 578mm / PC material |  |
| | RE-06-AL | 578mm / Aluminum | |
| 1438mm | RE-15-FF | 1438mm / PC material | |
| | RE-15-AL | 1438mm / Aluminum | |

• Node connection



Feed End Box



Feed In Box



End Cap



L Node connectors



T Node connectors



X Node connectors

• Installation Kits



Surface mounted kit



Chain suspension kits



Steel cable suspension kits

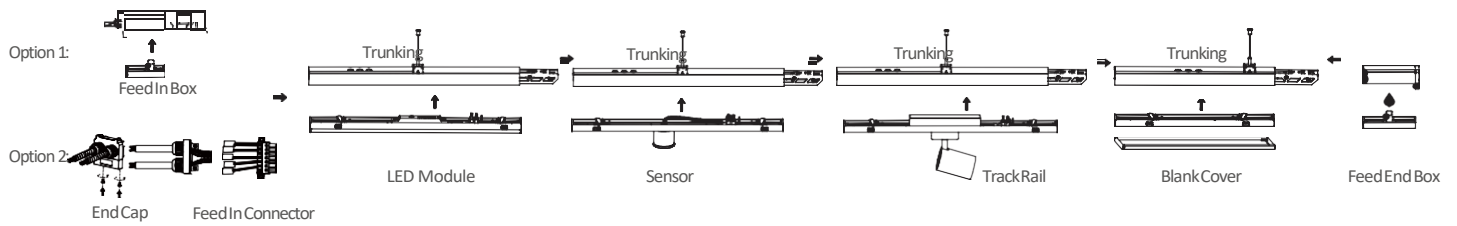


Feed in connector



Cable gland

7• Installation

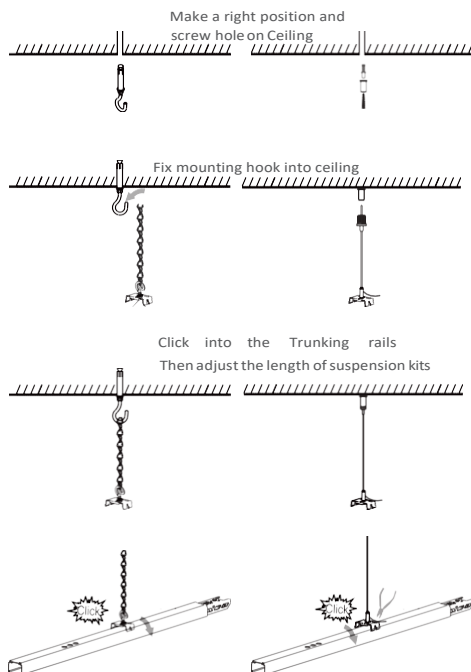


Installation Drawing

Step 1

Installation suspension

Chain suspension

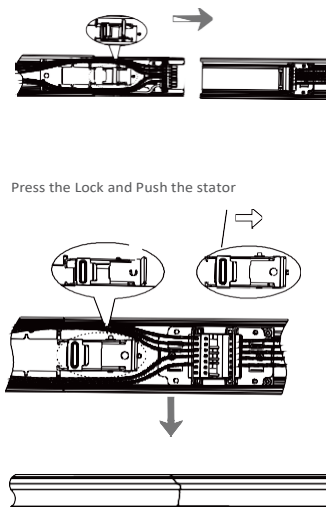


Steel cable Suspension

Step 2

Connecting Trunking

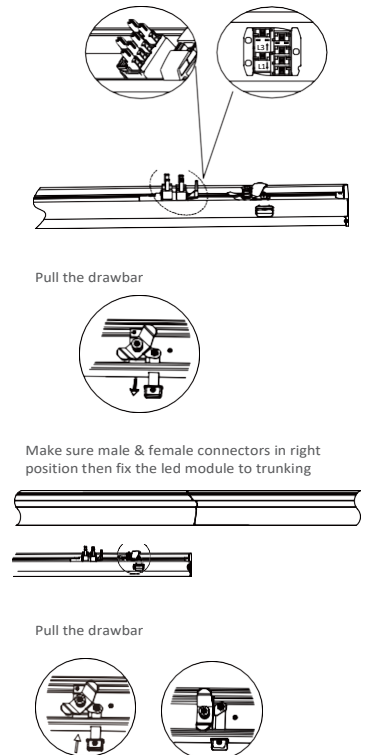
Both trunking rails keep in one line, then push



Step 3

Mounting LED Module

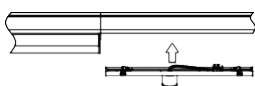
Slide knob to select phase L1/L2/L3



Step 4

Mounting Accessory part

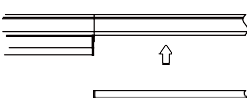
Mounting Sensor



Mounting Track Rail



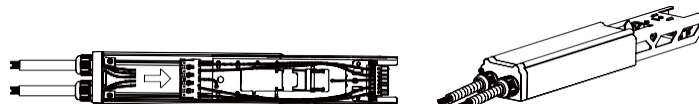
Mounting Blind cover



Step 5

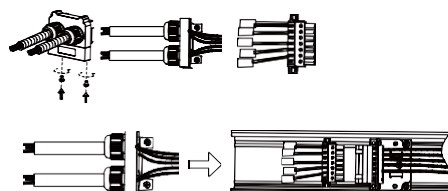
Connecting Power Supply

Option 1: Use the Feed In BOX



Option 2: Use the End Cap and Feed In Connector

Screw



■ **How many LED fixtures we could connect on one live line** (3 live wires pre-set within luminaire)

| Input Voltage | MaxQty | Input Voltage | MaxQty |
|---------------|--------|---------------|--------|
| 100V/277V-32W | 46/92 | 100V/277V-56W | 26/52 |
| 100V/277V-35W | 42/84 | 100V/277V-60W | 24/49 |
| 100V/277V-38W | 38/77 | 100V/277V-64W | 23/46 |
| 100V/277V-42W | 35/70 | 100V/277V-68W | 21/43 |
| 100V/277V-50W | 29/58 | 100V/277V-72W | 20/40 |

• **Maintenance**

- To avoid injuries, disconnect power to the trunking rail and allow the unit to cool down before performing maintenance.
- Perform visual, mechanical and electrical inspections on a regular basis. We recommend routine checks to be made on an annual basis. Frequency of use and environment should determine this.
- The lens or covers should be cleaned periodically as needed to ensure continued photometric performance. Clean the lens with a damp, non-abrasive, lint-free cloth. If not sufficient, use mild soap or a liquid cleaner. Do not use an abrasive, strong alkaline or acid cleaner as damage may occur.
- Inspect the topside on the luminaire to ensure that it is free of any obstructions or contamination (i.e. excessive dust build-up). Clean with a non-abrasive cloth if needed.



• **Safety notes and Warning:**

- Carefully read and follow all warnings and instructions before installing or maintaining the luminaire.
- The installation and connection of the luminaire must be done when switched off and by qualified people.

8• **Package**

| Product | Length | Outer Carton | Qty/Carton | Unit N.W | G.W/Carton |
|------------|--------|--------------------|------------|----------|------------|
| Trunking | 1438mm | 1630 x 375 x 210mm | 8Pcs | 1.5kg | 16.0 Kg |
| Trunking | 2876mm | 3060 x 375 x 210mm | 8Pcs | 3.0kg | 26.0Kg |
| LED Module | 1438mm | 1495x 375 x 120mm | 6Pcs | 2.1kg | 13.5Kg |

