VOLTACON

LEDISON

LED Linear Trunking System

160LM/W

• Specification







LED Linear Trunking System

CE RoHS ERP D CLASS I Flicker FREE 5 YEARS WARRANTY IP40 MICROWAVE SENSOR DALI 0-10V

1 • Features

1 - Fast installation 43 seconds



2 - Owned Lens Design



- no gap
- PMMA

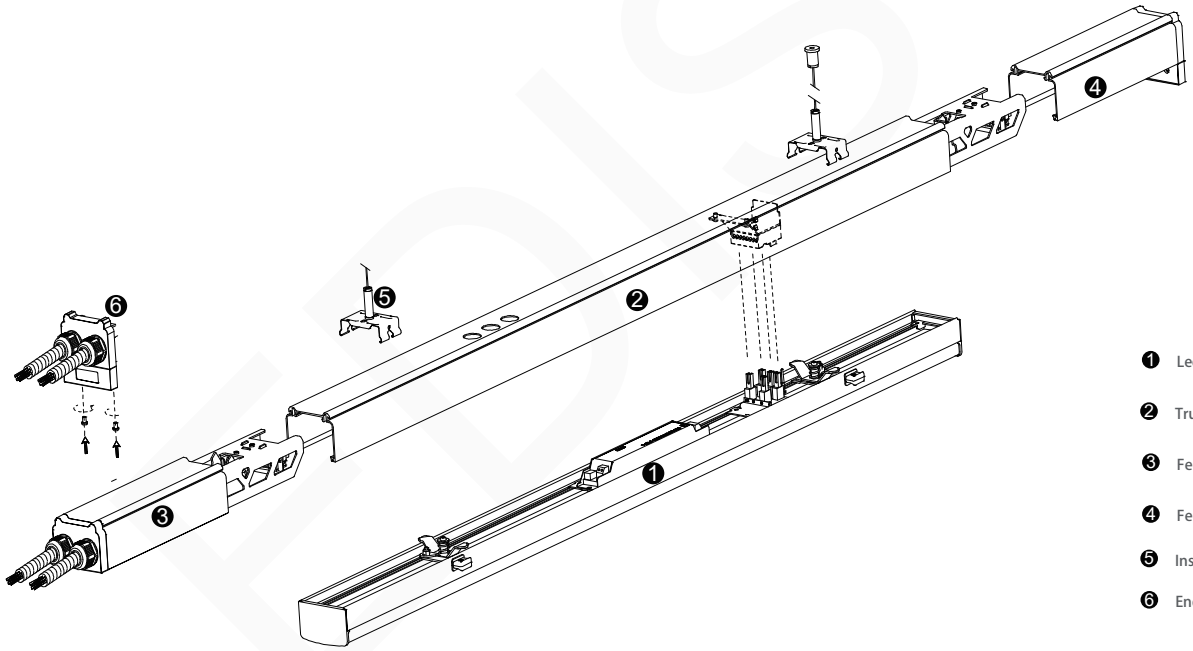
3 - Power Turnable

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

4 - Can be linkable



2 • Explosion Drawing



3 • Application

Conference rooms, Exhibition & showrooms, Entrance & reception areas, Factories and warehouses

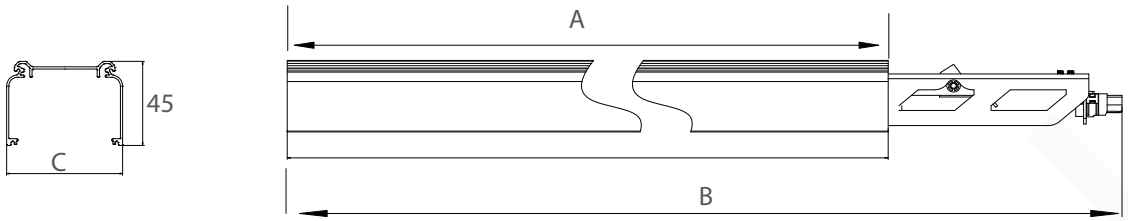






4 • Trunking

• Dimension (mm)



Model NO.	Size A(mm)	Size B(mm)	Size C(mm)
TKA2	578	84	64.5
TKA4	1150	84	64.5
TKA5	1437	84	64.5
TKA9	2874	84	64.5

• Wring 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 Wire: L1, L2, L3, N.FG



7 Wire: L1, L2, L3, N, FG + DIM+,DIM-



11 Wire: L1, L2, L3, N, FG + DIM+,DIM-
+ 4 wires for Emergency converter & Battery

• Trunking Datasheet

Length	Model No.	Wires	Function	Description	Picture
578mm	TKA2-05W	5 wires	Non-Dimming	5 x 2.5 mm² cable pre-wired	
	TKA2-07W	7 wires	1-10V /Dali	7 x 2.5 mm² cable pre-wired	
	TKA2-11W	11 wires	Emergency	11 x 2.5 mm² cable pre-wired	
1437mm	TKA5-05W	5 wires	Non-Dimming	5 x 2.5 mm² cable pre-wired	
	TKA5-07W	7 wires	1-10V /Dali	7 x 2.5 mm² cable pre-wired	
	TKA5-11W	11 wires	Emergency	11 x 2.5 mm² cable pre-wired	
2874mm	TKA9-05W	5 wires	Non-Dimming	5 x 2.5 mm² cable pre-wired	
	TKA9-07W	7 wires	1-10V /Dali	7 x 2.5 mm² cable pre-wired	
	TKA9-11W	11 wires	Emergency	11 x 2.5 mm² cable pre-wired	

5 • Led Module





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



9 Pin 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 Datasheet

.Osram Driver

Length	Product Code	Power	Lumen	LM/W	Input Voltage	PF/THD	CCT	IP	Function
1438mm	RSL-60-S1	60W can adjust 50w/42w/32w	MAX 9600LM	160Lm/W	AC 220-240V	PF>0.9 5/THD<15%	3000-6500K	IP40	NO-Dimming

Tridonic Driver

Length	Product Code	Power	Lumen	LM/W	Input Voltage	PF/THD	CCT	IP	Function
1438mm	RSL-60-T1	60W can adjust 55w/50w//42W	MAX 9600LM	160Lm/W	AC/DC 220-240V	PF>0.9 5/THD<15%	3000-6500K	IP40	NO-Dimming
1438mm	RSL-70-T4	16-70W	Max 9600LM	150Lm/W	AC/DC 220-240V	PF>0.9 5/THD<15%	3000-6500K	IP40	DALI

ENEC Driver

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 9600LM	140Lm/W	AC/DC 220-240V	PF>0.9 5/THD<15%	3000-6500K	IP40	1-10V

• Beam Angle



• Other Datasheet

. Aluminum +PC/PMMA
. L70B50 @Ta 25℃: 80000h
. White Frame
. 5 years warranty
. Operation : -15˚C~+50˚C
. Storage: -25˚C~+55˚C
. Microwave Sensor
.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	Imax	Time
Tridonic 71W	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

Length	Model No.	Track Rail Length	Picture
578mm	TR-06-05	578mm 5 wires	
	TR-06-07	578mm 7 wires	
1438mm	TR-15-05	1437m 5 wires	
	TR-15-07	1437mm 7 wires	

• COVER

Length	Model No.	Description	Picture
578mm	RE-06-FF	578mm / PC metrial	
	RE-06-AL	578mm / Aluminum	
1438mm	RE-15-FF	1437mm / PC metrial	
	RE-15-AL	1437mm / Aluminum	

• Node connection



Model: TNC-B0-00W

Feed End Box



Model: TNC-B1-05W

Feed IN Box



L Node connectors:

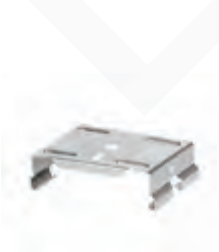


T Node connectors



X Node connectors

• Installation Kits



RE-MK

surface ceiling fixing



RE-SMK

Steel cable suspesion kits



RE-DMK

Chain suspension kits



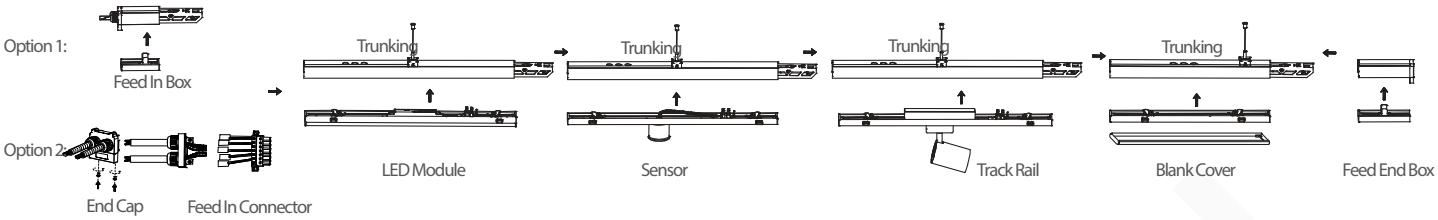
Feed In Connector



RE-EC

cap

7• Installation



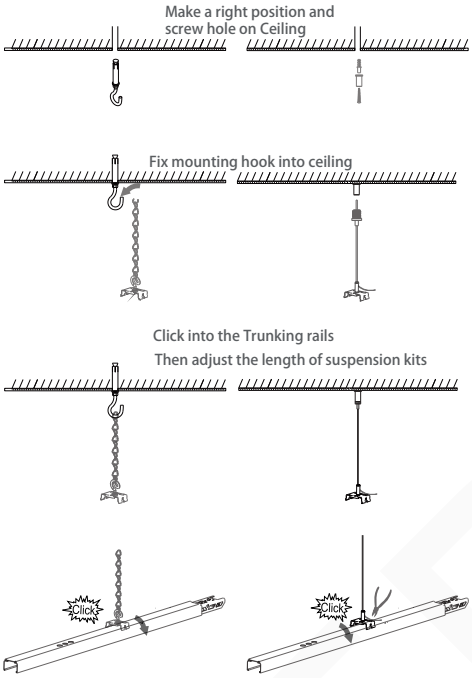
Installation Drawing

Step 1

Installation suspension

Chain suspension

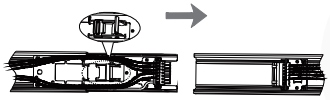
Steel cable Suspension



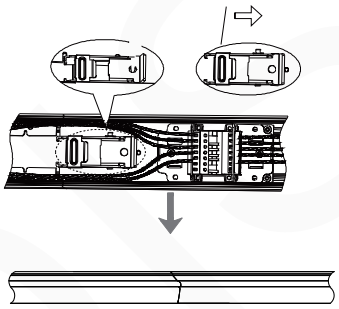
Step 2

Connecting Trunking

Both trunking rails keep in one line, then push



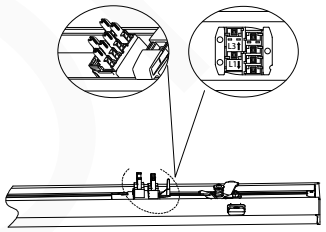
Press the Lock and Push the stator



Step 3

Mounting LED Module

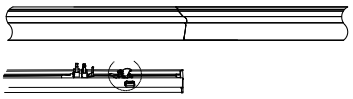
Slide knob to select phase L1/L2/L3



Pull the drawbar



Make sure male & female connectors in right position then fix the led moduile to trunking



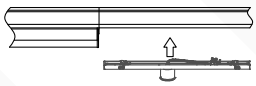
Pull the drawbar



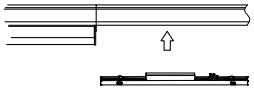
Step 4

Mounting Accessory part

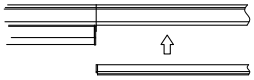
Mounting Sensor



Mounting Track Rail



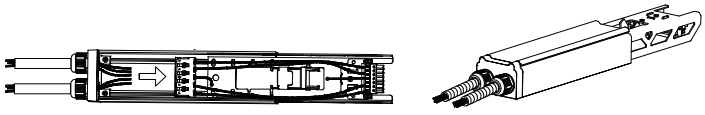
Mounting Blind cover



Step 5

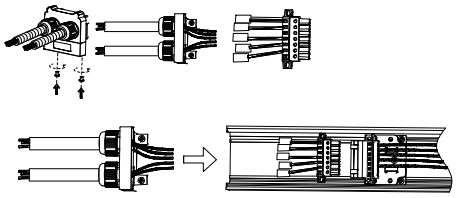
Connecting Power Supply

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 line

Input Voltage	Max Qty	Input Voltage	Max Qty
230VAC/32W	92	230VAC/56W	52
230VAC/35W	84	230VAC/60W	49
230VAC/38W	77	230VAC/64W	46
230VAC/42W	70	230VAC/68W	43
230VAC/50W	58	230VAC/72W	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

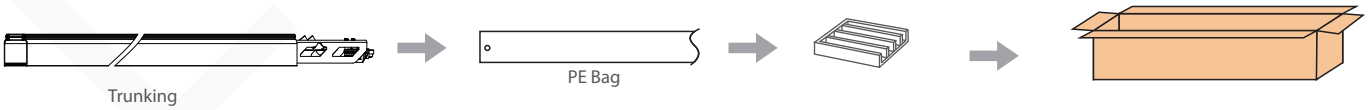
• Safety notes and Warning:

• Carefully read and follow all warnings and instructions before installing or maintaining the luminaire.

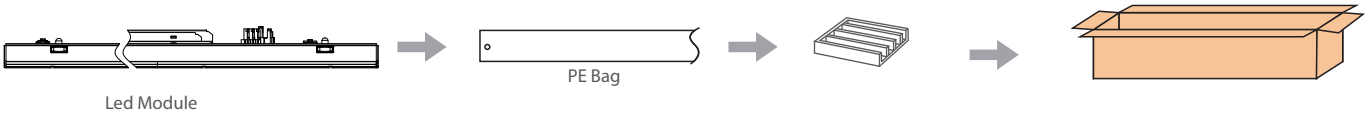
• The installation and connection of the luminaire must be done when switched off and by qualified people.

8• Package

Product	Length	Outer Carton	Qty/Carton	Unit N.W	G.W/Carton
Trunking	1437mm	1630 x375 x 210mm	8Pcs	1.5kg	16.0 Kg
Trunking	2874mm	3060 x 375 x 210mm	8Pcs	3.0kg	26.0Kg
Led Module	1437mm	1495x 375 x 120mm	6Pcs	2.1kg	13.5Kg



Trunking



Led Module