

COMMERCIAL LIGHTING



LED Track Light
TL160 Series



Introduction

The track light is design with faceted reflector plus spherical lens and plastic coated aluminum. With mini track adaptor and its surface without screws and wires which looks neat. Whole series wattage adjustable as standard and CCT interchangeable for option. Reflector modular design is replaceable with 45° and 60°.

Features

- Plastic coated aluminum design
- Efficiency 100lm/w
- CRI90, IK06
- CCT interchangeable and wattage adjustable with DIP switch
- Reflector replaceable
- Finishing RAL9016, RAL9005
- Built-in flicker free led driver

Application Areas

It is widely used in exclusive store, shopping mall, supermarket, restaurant, bar, and other reception area.

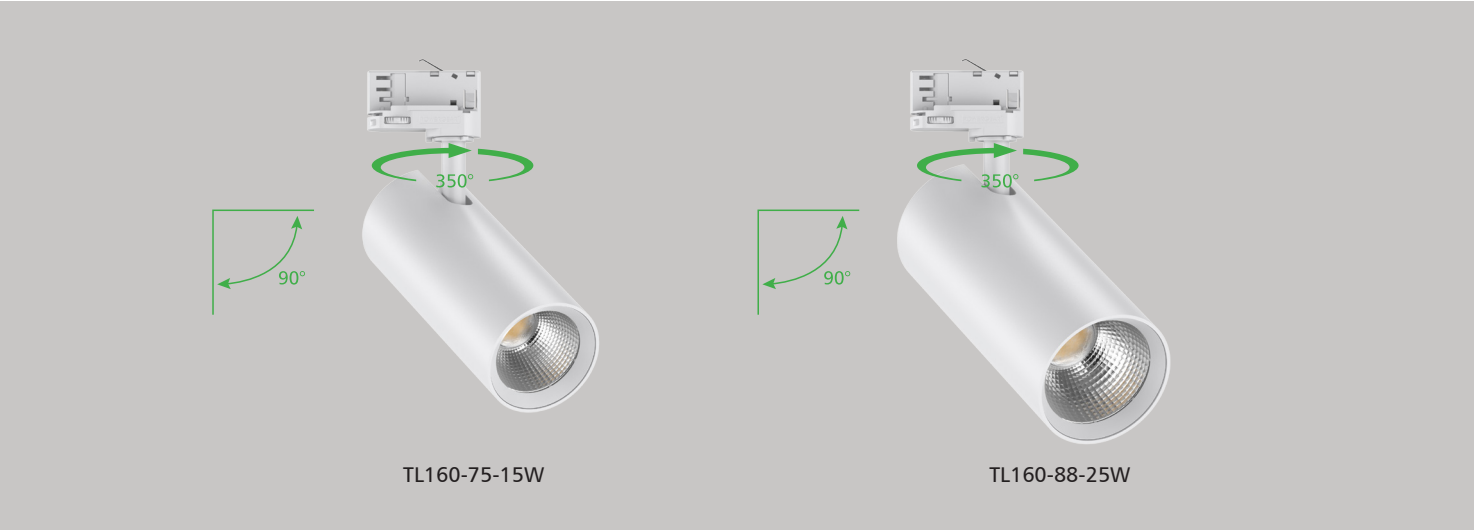
Reflector interchangeable



45°

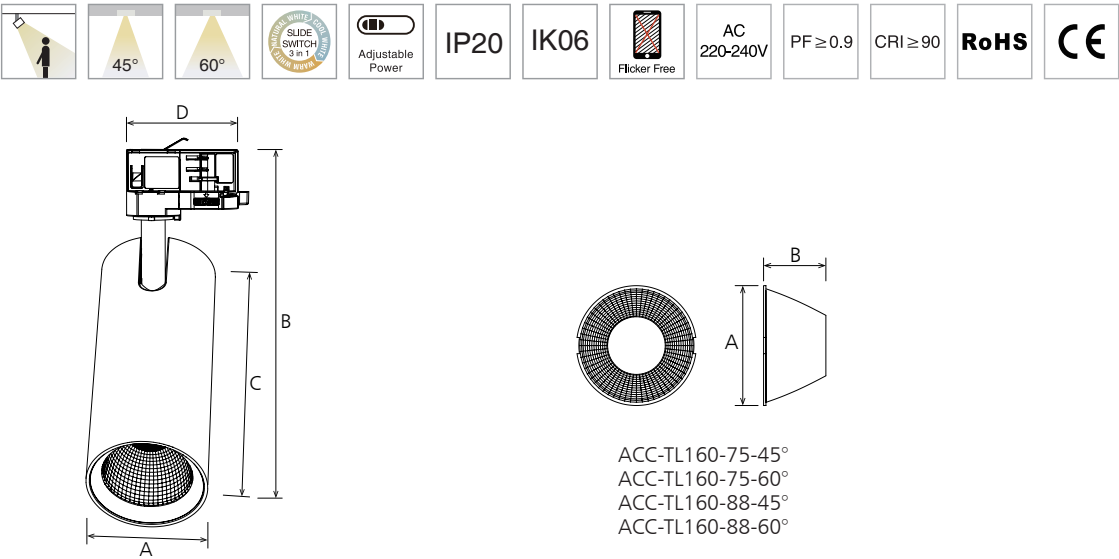
60°





Technical Data Sheet

Code			TL160-75-15W	TL160-88-25W
Dimension(mm)			Ø75*231.6	Ø88*254
Watt(W)			15W Max.(12W/8W optional)	25W Max.(20W/15W optional)
Rated Input Voltage			AC220-240V	
Input Voltage			AC198-264V	
LED Module Input			-	
Light Source			SMD	
SDCM			<6	
CCT(K)			1-CCT: 3000K/4000K/5700K 3-CCT:3000K+ 4000K+5700K	
CCT Selection			YES	
Luminous Flux (lm) ±5% CRI90	1-CCT	Non-DIM	15W: 1370-1450lm 12W: 1080-1150lm 8W: 770-800lm	25W: 2200-2400lm 20W: 1800-2000lm 15W: 1430-1520lm
	3-CCT	Non-DIM	15W: 1370-1450lm 12W: 1080-1150lm 8W: 770-800lm	25W: 2400-2550lm 20W: 1980-2080lm 15W: 1500-1580lm
CRI			CRI90	
Beam Angle(°)			45°/60°	
UGR			-	
LED Driver			Built-in, Flicker Free	
Dimming Option			NO	
Sensor			NO	
Emergency Kits			NO	
Electrical Class			Class I	
Ingress Protection(IP Rating)			IP20	
Impact Resistance(IK Rating)			IK06	
Product Finishing			White RAL9016 / Black RAL9005	
Optics Material			Aluminium	
Housing Material			Plastic coated Aluminium	
Lifetime(hr)			50,000h	
Glow wire test(°C)			750°C	
Operating Temp.(°C)			-20°C~35°C	
Storage Temp.(°C)			-20°C~65°C	
Installation			Track	



Measurement

Code	Dimension(mm)				Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/ CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
TL160-75-15W	Ø75	231.6	180	70	Ø75*231.6	0.568	0.765	6.82	9.76	40*29.5*31	12	8736	20544
TL160-88-25W	Ø88	254	202.5	70	Ø88*254	0.816	1.058	9.708	13.47	46*31.5*35.5	12	6048	14700

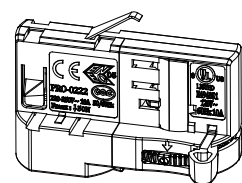
Accessory List

Model	Dimension(mm)		Size (mm)	Package Weight(Kg)		Inner Box Size(mm)	Qty/ Inner Box	Qty/ CTN	Carton Size(cm)
	A	B		N.W/PC	G.W/CTN				
ACC-TL160-75-45°	Ø60.6	31.5	Ø60.6*31.5	0.01063	1.19	140*70*75	12	72	23*15.5*17.5
ACC-TL160-75-60°	Ø60.6	31.5	Ø60.6*31.5	0.01091	1.21	140*70*75	12	72	23*15.5*17.5
ACC-TL160-88-45°	Ø75.2	38.6	Ø75.2*38.6	0.017	1.75	150*85*95	12	72	27.5*16.5*21.5
ACC-TL160-88-60°	Ø75.2	38.6	Ø75.2*38.6	0.01739	1.78	150*85*95	12	72	27.5*16.5*21.5

Driver Datasheet(Non-dimmable)

Total load wattage		15W Max.(12W/8W optional)	25W Max.(20W/15W optional)
Output	Rated output current	200mA/160mA/110mA	220mA/180mA/135mA
	Output Voltage range	DC60-72V	DC80-120V
	Line Regulation	±5%	
	Setup Rise Time	≤0.5S	
	Flickering Index	5%(NO RISK)	
	IEC-PST	<1	
	CIE(SVM)	≤0.4	
Input	Rated Input Voltage	220-240VAC	
	Input Voltage	198-265VAC	
	Frequency	50/60Hz	
	Rated Input Current	≤0.073A	≤0.12A
	Input Current	≤0.085A	≤0.14A
	Power Factor	0.9 @230V/15W	0.9 @230V/25W
	THD	<20% @230V	
	Efficiency	≥88%	
	Inrush current	8A/9us	23A/140us
	No load wattage	-	
	Stand-by power consumption	-	
Protection	Short circuit protection	PASS	
	Over voltage protection	PASS	
	Over temperature protection	PASS	
Safety & EMC	Withstand voltage	I/P-FG:1.5KVac, <5mA 60S	
	Isolation Resistance	500VDC, ≥2M Ω	
	Surge	IEC/EN61000-4-5 (L-N:1KV, L/N-PE:2KV)	
	EMC Emission	EN55015, EN61000-3-2	
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547	

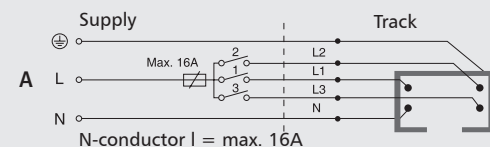
Select corresponding adapter before installation



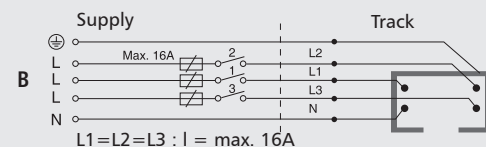
4-wires, 3-circuit

Wiring Diagram

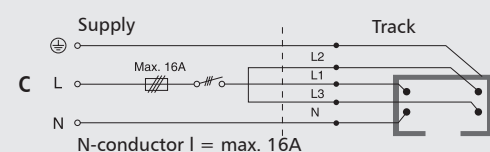
4-wires, 3-circuit



1-phase, 3-circuit,
230V AC,
16A, 3.7kVA



3-phase, 3-circuit,
230/400V AC,
16A, 3x3.7kVA

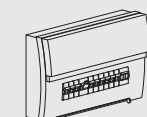


3-phase, 3-circuit,
230/400V AC,
16A, 11.1kVA

Installation Procedure

WARNING

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.
3. Professional electrician for installation and maintenance only.

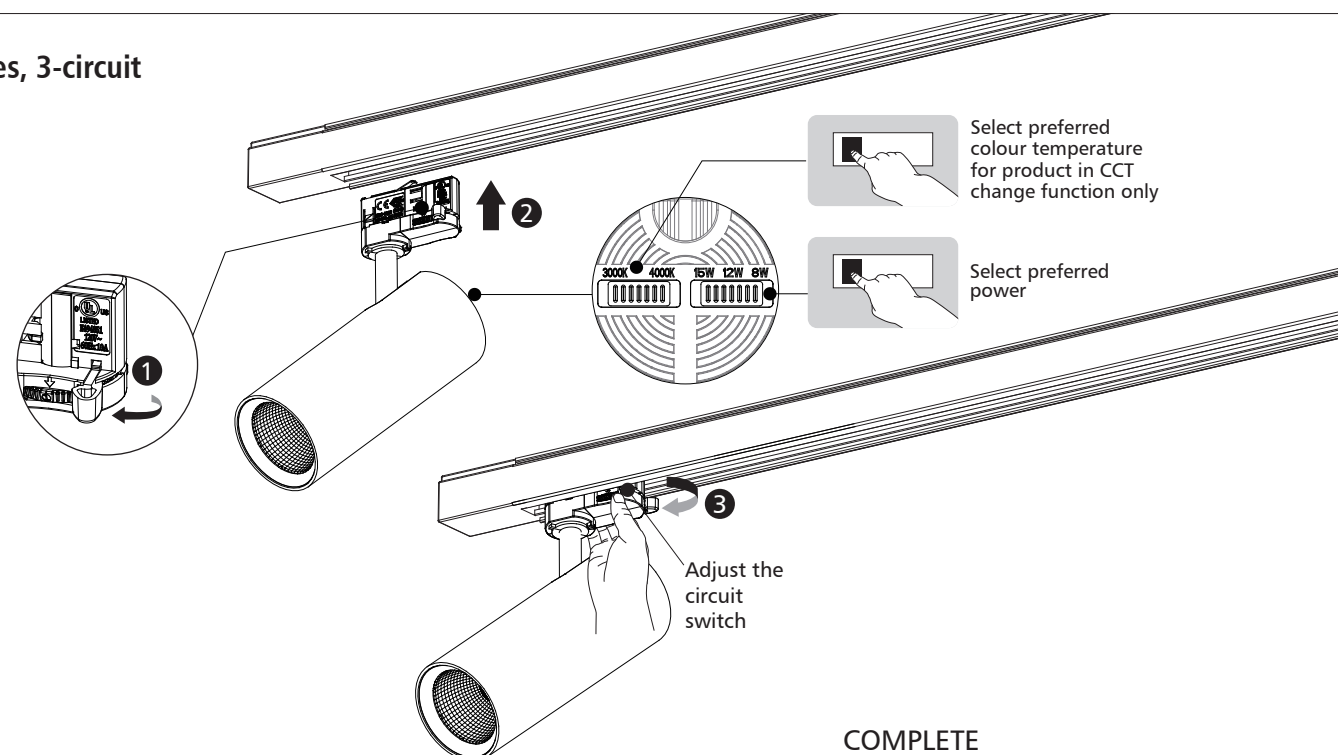


Turn Off
Power Supply

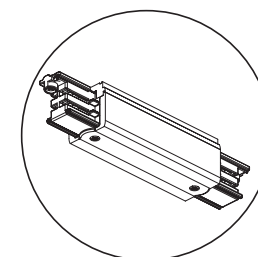
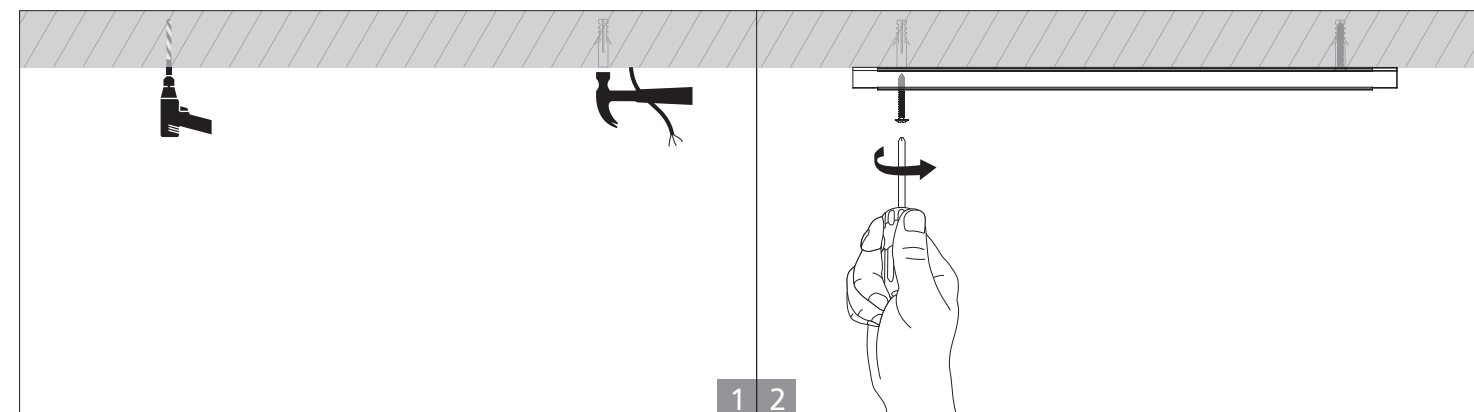


How to install ?

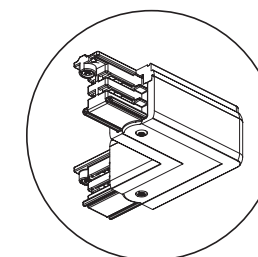
4-wires, 3-circuit



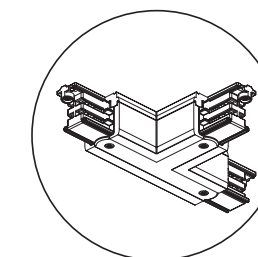
Installation for track



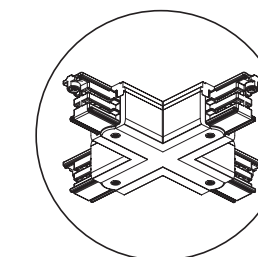
Straight "-"



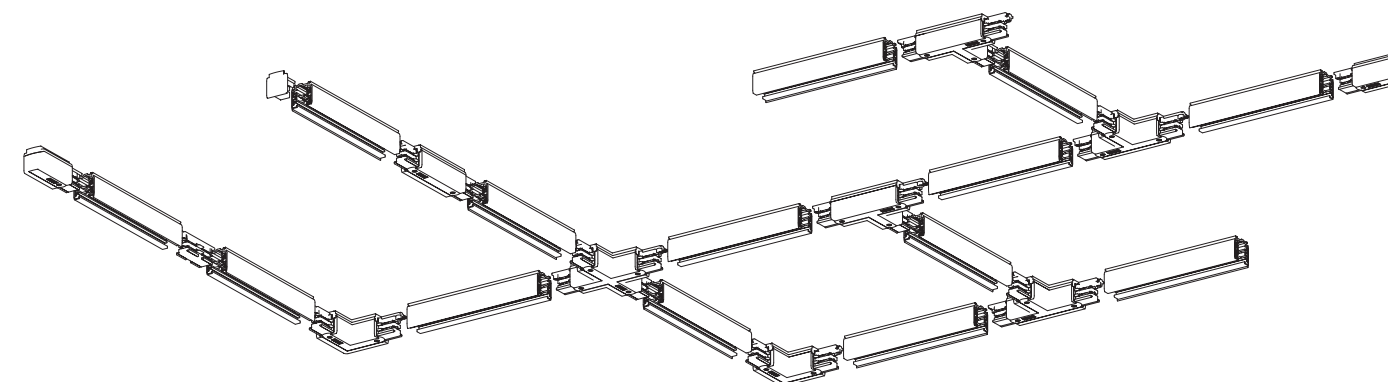
Corner "L"



"T" shape



Cross "+"



Note: Do not install in the place near heat source, or in corrosive gas environment.

Up to Shine, there is life

Add : 2nd building Dingfeng
High-Tech Zone, Fuyuan 1st Road,
FuYong Sub-district, Bao'an,
Shenzhen China 518103



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