

COMMERCIAL LIGHTING



LED Track Light
TL228(G3.0) Series



Introduction

This track light is an anti-glare design. High lumen COB chip and PMMA lens offer a uniform lighting output. AL6063 aluminum lamp body provides excellent heat dissipation. Special lens design reaches anti-glare effect and creates a comfortable visual experience. Multiple beam angle lens optional, modular lens design make a convenient maintenance. Easy installation, recreational for various application.

Features

- Anti-glare design
- High efficiency up to 120lm/W
- CRI90
- Modular lens design: 24°/36°/60°
- Flicker free internal driver
- Dimming way: Non-dim, triac dim, DALI dim

Application Areas

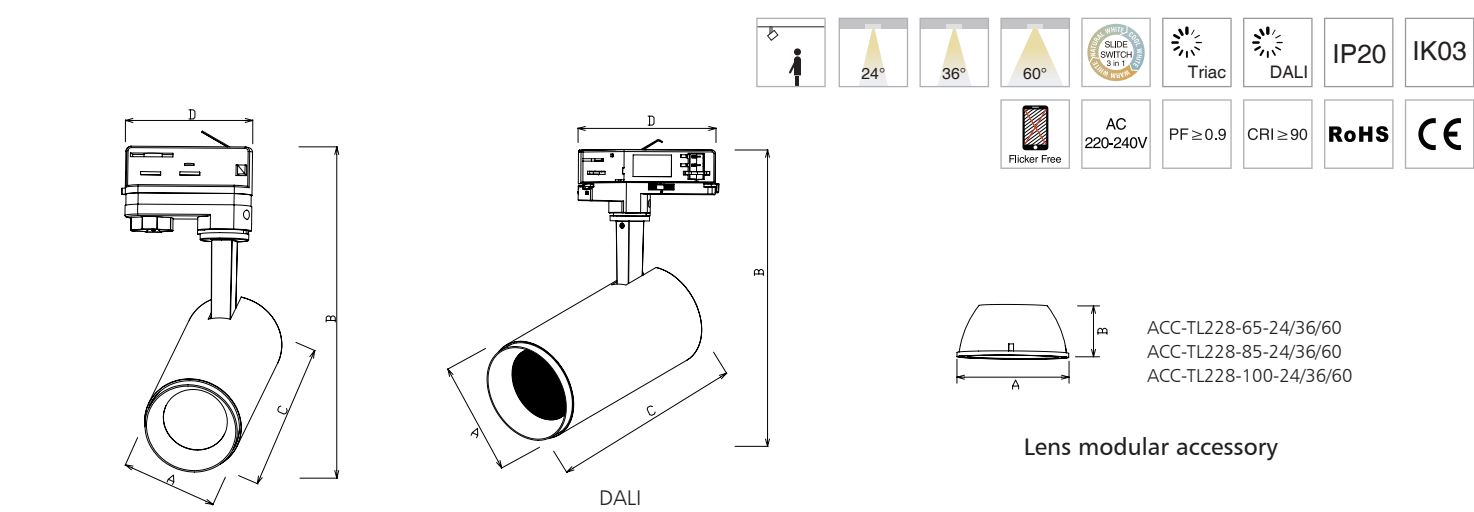
Applicable for residential lighting in bedroom, living room, corridor etc, also suitable for commercial lighting in office, hotel, restaurant etc.





Technical Data Sheet

Code			TL228-10W	TL228-15W	TL228-15W-D	TL228-20W	TL228-25W	TL228-25W-DA	TL228-30W	TL228-40W
Dimension(mm)			Ø65*249		Ø85*269			Ø100*302		
Cutout(mm)			-							
Watt(W)			10W	15W	15W	20W	25W	25W	30W	40W
Rated Input Voltage			AC230V							
Input Voltage			AC200-240V							
LED Module Input			-							
Light Source			COB							
SDCM			<6							
CCT(K)			1-CCT: 3000K/4000K 3-CCT: 2700K + 3500K + 5000K							
CCT Selection DIP Switch			Yes					NO		
Luminous Flux (lm) ±5% CRI90	1-CCT	Non-DIM	1290-1310	1830-1900	-	2640-2740	3020-3140	-	3650-3740	4630-4710
		DIM	1250-1280	-	1850-1910	2600-2700	2990-3160	-	3530-3590	-
		DALI	1290-1310	1830-1900	-	2640-2740	-	3020-3140	3650-3740	-
	3-CCT	Non-DIM	1140-1250	1530-1740	-	2280-2480	2720-2900	-	-	-
		DIM	1080-1210	-	1530-1740	2200-2400	2630-2780	-	-	-
		DALI	-	-	-	-	-	-	-	-
CRI			90							
Beam Angle (°)			24°/36°/60°							
UGR			-							
LED Driver			Built-in							
Dimming Option			Triac/ DALI	DALI	Triac	Triac/ DALI	Triac	DALI	Triac/ DALI	NO
Sensor			-							
Emergency Kits			-							
Electrical Class			Class I							
Ingress Protection(IP Rating)			IP20							
Impact Resistance(IK Rating)			IK03							
Product Finishing			White RAL 9016/Black RAL9005							
Optics Material			PMMA							
Housing Material			Aluminum							
Lifetime(hr)			50,000h							
Glow wire test(°C)			650°C							
Operating Temp(°C)			-20°C~40°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				
TL228-10W	Ø65	249	157	84	Ø65*249	0.55	0.65	6.6	8.6	42.5*30.0*38.5	12	6912	16344
TL228-15W	Ø65	249	157	84	Ø65*249	0.55	0.65	6.6	8.6	42.5*30.0*38.5	12	6912	16344
TL228-15W-D	Ø85	269	178	84	Ø85*269	0.82	0.92	9.9	11.9	56.5*34.5*42.5	12	3840	9504
TL228-20W	Ø85	269	178	84	Ø85*269	0.82	0.92	9.9	11.9	56.5*34.5*42.5	12	3840	9504
TL228-25W	Ø85	269	178	84	Ø85*269	0.82	0.92	9.9	11.9	56.5*34.5*42.5	12	3840	9504
TL228-30W	Ø100	302	211	84	Ø100*302	1.15	1.25	13.8	15.8	56.5*34.5*42.5	12	3840	9504
TL228-40W	Ø100	302	211	84	Ø100*302	1.15	1.25	13.8	15.8	56.5*34.5*42.5	12	3840	9504
TL228-10W-DA	Ø65	249	157	113	Ø65*249	0.52	0.62	6.2	8.2	42.5*30.0*38.5	12	6912	16344
TL228-15W-DA	Ø65	249	157	113	Ø65*249	0.52	0.62	6.2	8.2	42.5*30.0*38.5	12	6912	16344
TL228-20W-DA	Ø85	269	178	113	Ø85*269	0.80	0.90	9.6	12.6	56.5*34.5*42.5	12	3840	9504
TL228-25W-DA	Ø100	302	211	113	Ø100*302	1.2	1.3	14.4	16.4	56.5*34.5*42.5	12	3840	9504
TL228-30W-DA	Ø100	302	211	113	Ø100*302	1.2	1.3	14.4	16.4	56.5*34.5*42.5	12	3840	9504
ACC-TL228-65-24/36/60	Ø50.5	24	-	-	Ø50.5*24	0.033	-	3.17	3.94	34.5*23.5*15	96	202944	479232
ACC-TL228-85-24/36/60	Ø70	34.4	-	-	Ø70*34.4	0.065	-	6.26	7.62	47.5*31.5*18	96	96768	225792
ACC-TL228-100-24/36/60	Ø84	38.7	-	-	Ø84*38.7	0.1	-	9.6	11.37	52.5*35.5*22	96	67200	147840

Driver Datasheet (Non-Dimmable)

	Total load wattage	10W	15W	20W	25W	30W	40W	
Output	Rated output current	230mA	350mA	500mA	630mA	750mA	950mA	
	Output Voltage range	DC30-40V						
	Line Regulation	± 5%						
	Setup Rise Time	≤0.5S						
	Flickering Index	≤10%						
	IEC-PST	≤1%						
	CIE(SVM)	≤0.4						
Input	Rated Input Voltage	AC200-240V						
	Input Voltage	AC180-265V						
	Frequency	50/60Hz						
	Rated Input Current	≤0.05A	≤0.07A	0.11A	0.14A	0.17A	0.23A	
	Input Current	≤0.06A	≤0.08A	0.12A	0.15A	0.18A	0.25A	
	Power Factor	0.9						
	THD	<20% @230V						
	Efficiency	≥82%	≥85%	≥87%	≥87%	≥87%	≥87%	
	Inrush current	6.8A/35.4uS			7.8A/34.9uS		10A/42.1uS	
	No load wattage	<0.5W						
	Stand-by power consumption	-						
Protection	Short circuit protection	Pass						
	Over voltage protection	Pass						
	Over temperature protection	Pass						
Safety & EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S						
	Isolation Resistance	500VDC, ≥2M Ω						
	Surge	IEC/EN61000-4-5 (L-N:1KV)						
	EMC Emission	EN55015, EN61000-3-2						
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547						

Driver Datasheet (Triac Dimmable)

Total load wattage		10W	15W	20W	25W	30W
Output	Rated output current	220mA	350mA	480mA	580mA	700mA
	Output Voltage range	DC30-40V				
	Line Regulation	±5%				
	Setup Rise Time	≤0.5S				
	Flickering Index	≤10%				
	IEC-PST	≤1				
	CIE(SVM)	≤0.4				
Input	Rated Input Voltage	AC230V				
	Input Voltage	AC200-240V				
	Frequency	50/60Hz				
	Rated Input Current	≤0.05A	≤0.08A	0.11A	0.14A	0.15A
	Input Current	≤0.06A	≤0.09A	0.12A	0.15A	0.17A
	Power Factor	0.9				
	THD	-	-	-	<20% @230V	<20% @230V
	Efficiency	≥78%	≥83%	≥84%		≥85%
	Inrush current	1.36A/157uS	2.22A/129uS	2.82A/94.4uS		3.06A/224uS
	No load wattage	<1W@AC230V				
	Stand-by power consumption	<1W@AC230V				
Protection	Short circuit protection	Pass				
	Over voltage protection	Pass				
	Over temperature protection	Pass				
Safety & EMC	Withstand voltage	I/P-O/P:3.75kVac, <5mA 60S				
	Isolation Resistance	500VDC, ≥2M Ω				
	Surge	IEC/EN61000-4-5 (L-N:1kV)				
	EMC Emission	EN55015, EN61000-3-2				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547				

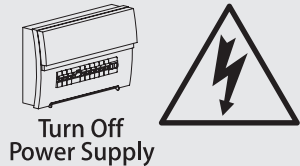
Driver Datasheet (DALI Dimmable)

Total load wattage		10W	15W	20W	25W	30W
Output	Rated output current	220mA	350mA	480mA	580mA	700mA
	Output Voltage range	DC30-40V				
	Line Regulation	±5%				
	Setup Rise Time	≤0.5S				
	Flickering Index	≤10%				
	IEC-PST	≤1%				
	CIE(SVM)	≤0.4				
Input	Rated Input Voltage	AC230V				
	Input Voltage	AC200-240V				
	Frequency	50/60Hz				
	Rated Input Current	≤0.05A	≤0.08A	≤0.11A	≤0.14A	≤0.15A
	Input Current	≤0.06A	≤0.09A	≤0.12A	≤0.15A	≤0.17A
	Power Factor	0.9				
	THD	-	-	-	<20% @230V	<20% @230V
	Efficiency	≥78%	≥83%	≥84%		≥85%
	Inrush current	15.1A/113uS			16A/214uS	
	No load wattage	-				
	Stand-by power consumption	<0.5W				
Protection	Short circuit protection	Pass				
	Over voltage protection	Pass				
	Over temperature protection	Pass				
Safety & EMC	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S				
	Isolation Resistance	500VDC, ≥2M Ω				
	Surge	IEC/EN61000-4-5 (L-N:1KV)				
	EMC Emission	EN55015, EN61000-3-2				
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547				

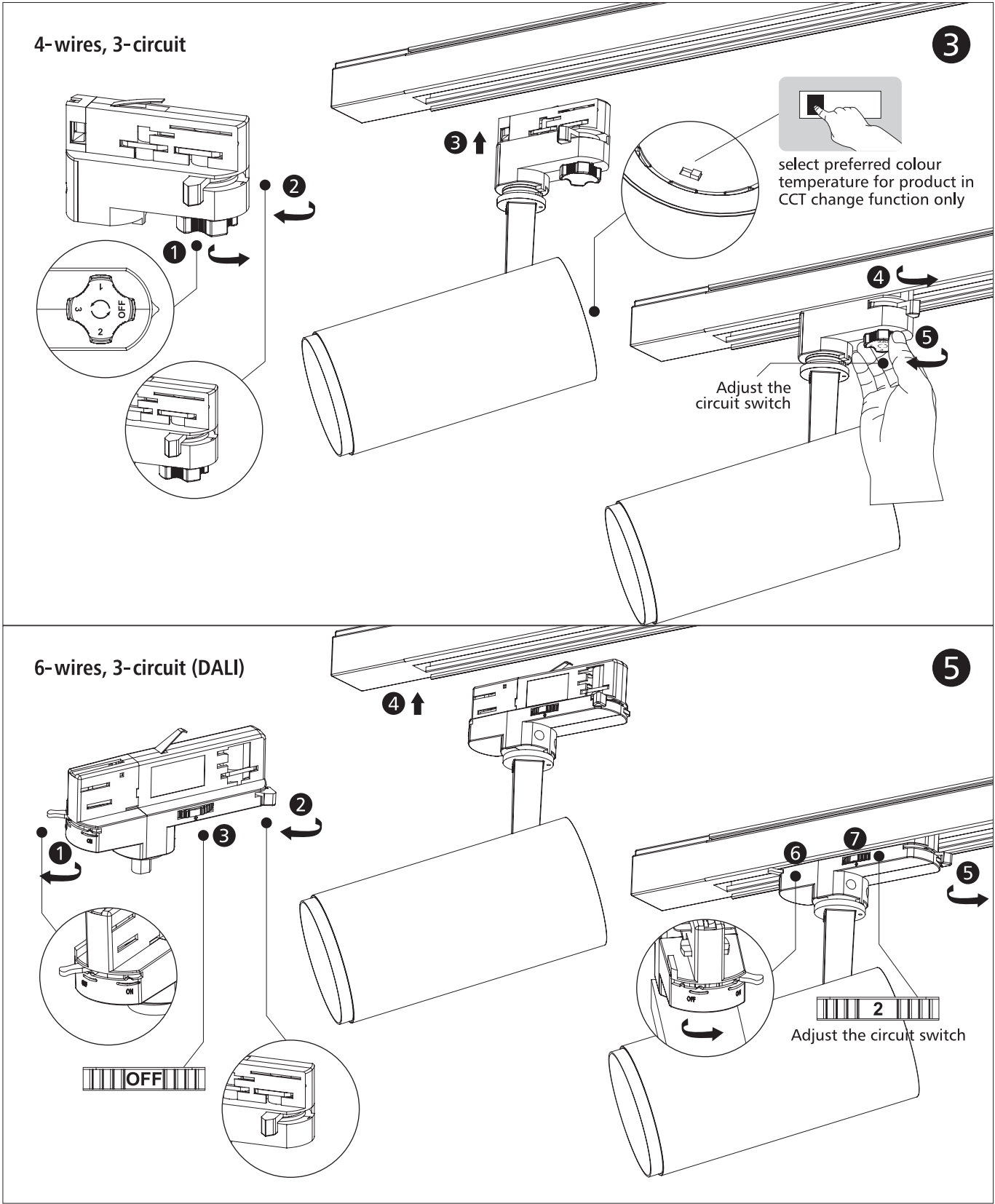
Installation Procedure

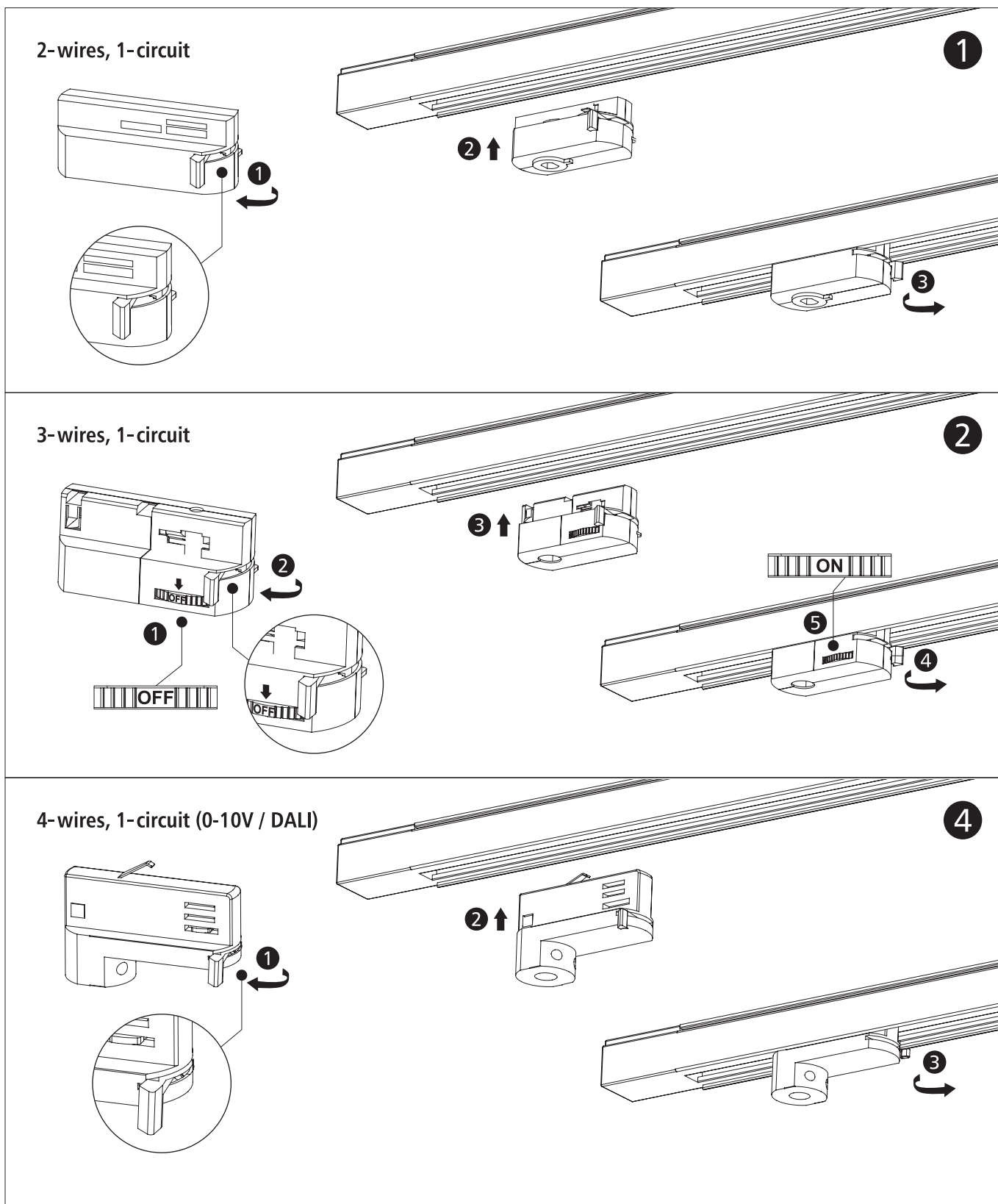
WARNING

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



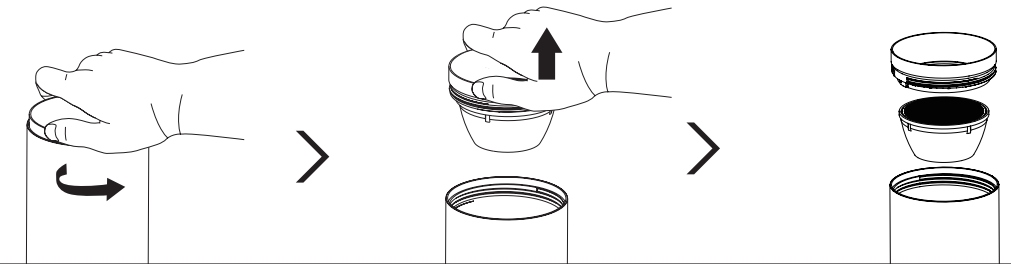
How to install ?



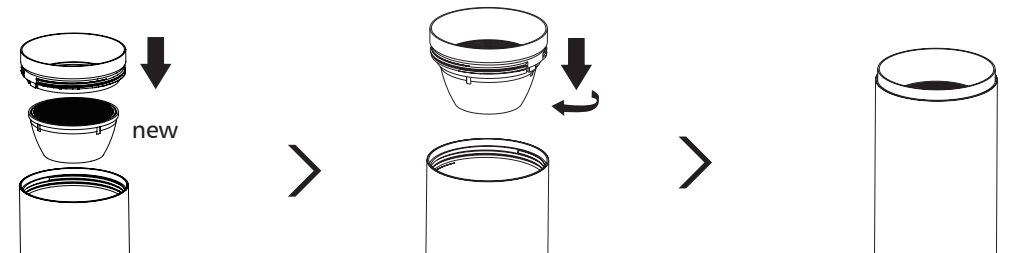


How to change the lens ?

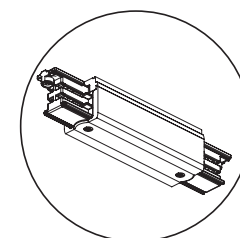
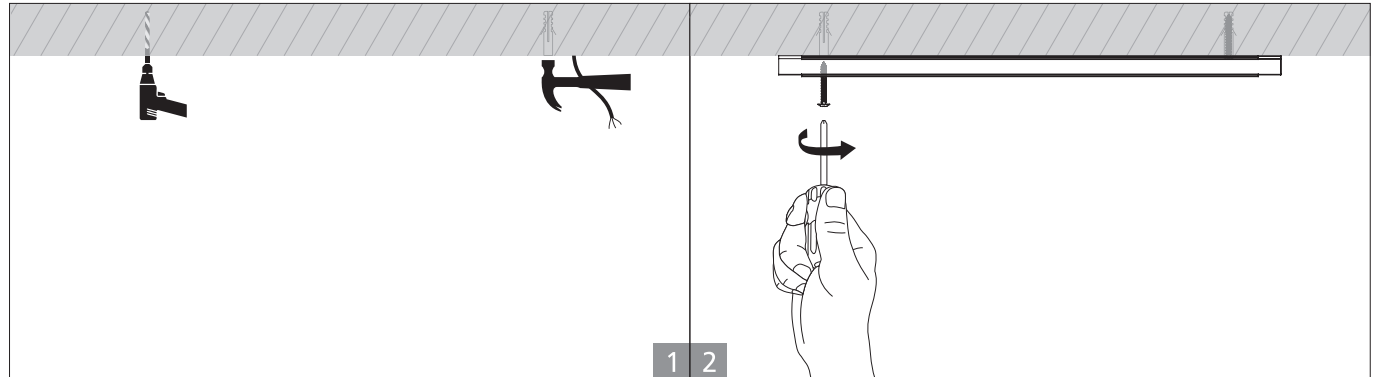
Disassemble



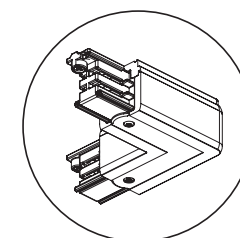
Assemble



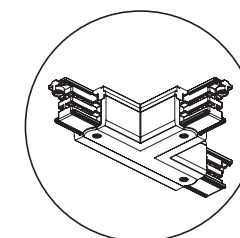
Installation for track



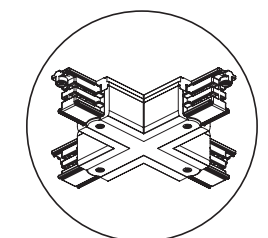
Straight "-"



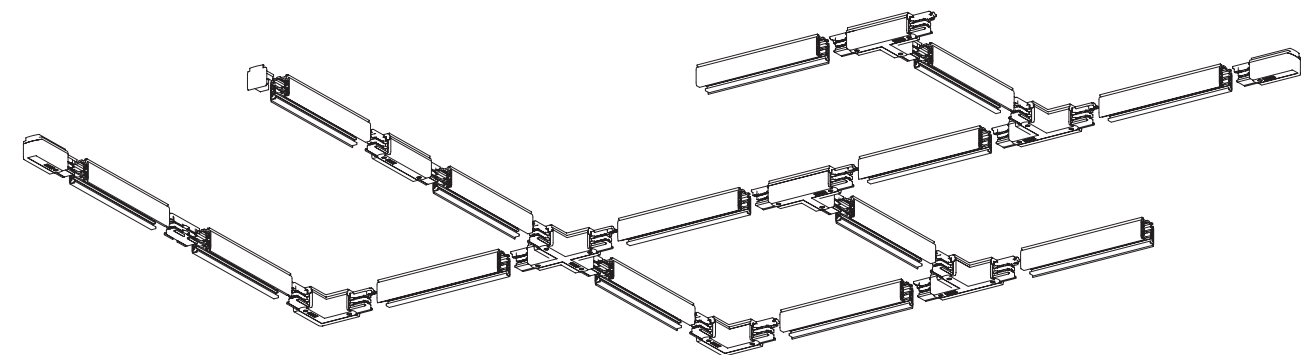
Corner "L"



"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
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