

CALYPSO 322 Series



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Introduction

This lamp is a spherical pendant light with oblique axis rotation. It allows 340 degrees of free rotation and can be adjusted to a maximum of 40 degrees for oblique illumination. There are three methods of installation:

1. Calypso 322 is suspended with bracket,
2. Calypso 322A is suspended with standard track,
3. Calypso 322B is suspended with DALI track.

This lamp adopts COB light source with high lumen efficiency. The ADC12 aluminum lamp body provides a great thermal management. Its elegant appearance and wider installation options are suitable for a variety of applications

Features

- Oblique axis rotation design, 340 degree rotatory and lighting direction is 40 degree adjustable.
- Suspended with bracket/ track adapter/ DALI track adapter.
- Finished color: White/black.
- High lumen efficiency, 100lm/W.

Application Areas

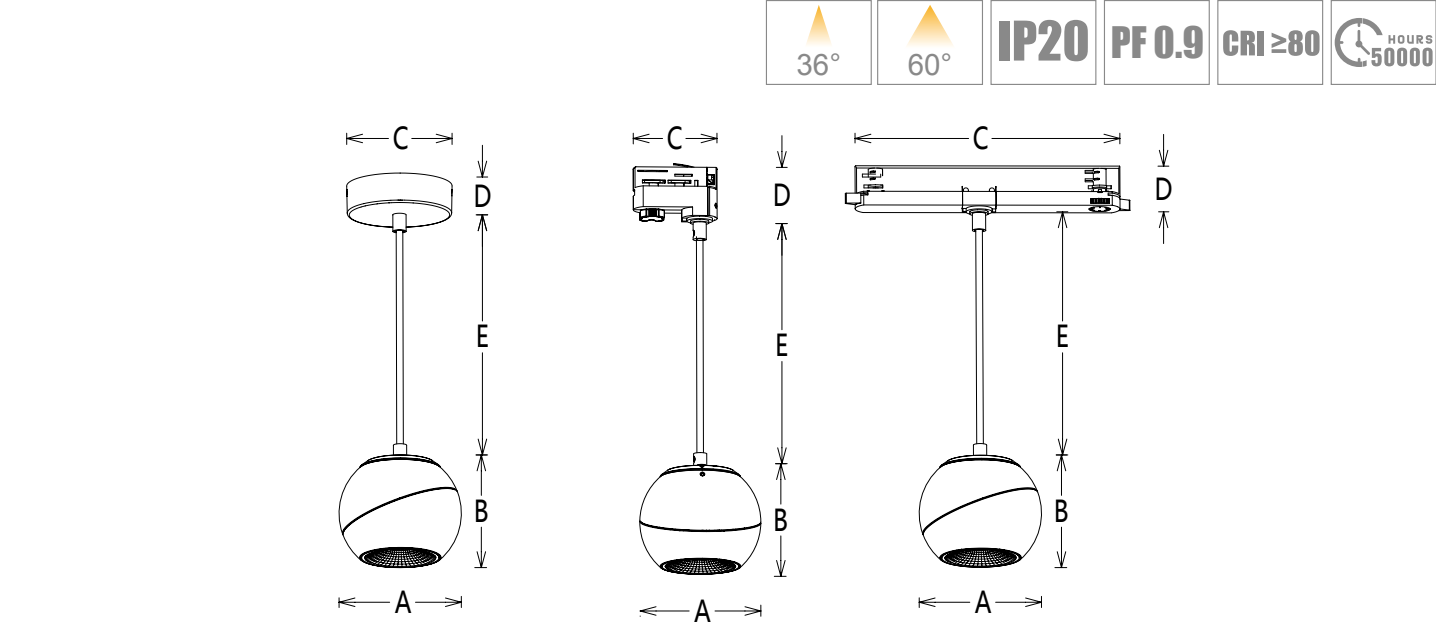
It is designed for general lighting applications in hotel, restaurant, home, shopping mall etc.





Technical Data Sheet

Code No.			PEN120N/10**322/A	PEN120N/14**322/A	PEN120DD/14**322B	PEN120DD/17**322B	PEN120DD/21**322B
Dimension(mm)			Ø120*96				
Cutout (mm)			-				
Watt(W)			10W	14W	13W	17W	21W
Rated Input Voltage(V)			AC230V				
Input Voltage(V)			AC220-240V				
LED Module Input			-				
Light Source			COB				
SDCM			<6				
CCT(K)			1-CCT: 2700K/3000K/4000K/5000K				
CCT Selection DIP Switch			NO				
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	900-1200	1200-1600	-		
	DIM		-		1000-1400	1400-1800	1600-2100
	Non-DIM	3-CCT	-				
	DIM		-				
CRI			≥80				
Beam Angle (°)			36°/ 60°				
UGR			<22				-
LED Driver			Built-in		Built-out		
Dimming Option			NO		DALI		
Sensor			NO				
Emergency Kits			NO				
Electrical Class			Class I		Class II		
Ingress Protection (IP Rating)			IP20				
Impact Resistance (IK Rating)			-				
Product Finishing(Base)			Black RAL 9005/White RAL9016				
Materials of Optics			PC				
Materials of Housing			Aluminum Die-casting				
Lifetime (hr)			50000				
Glow wire test (°C)			750°C				
Operating Temp. (°C)			-20°C ~45°C				
Storage Temp. (°C)			-20°C ~65°C				
Installation			Surface mount / Track		Track		



Measurement

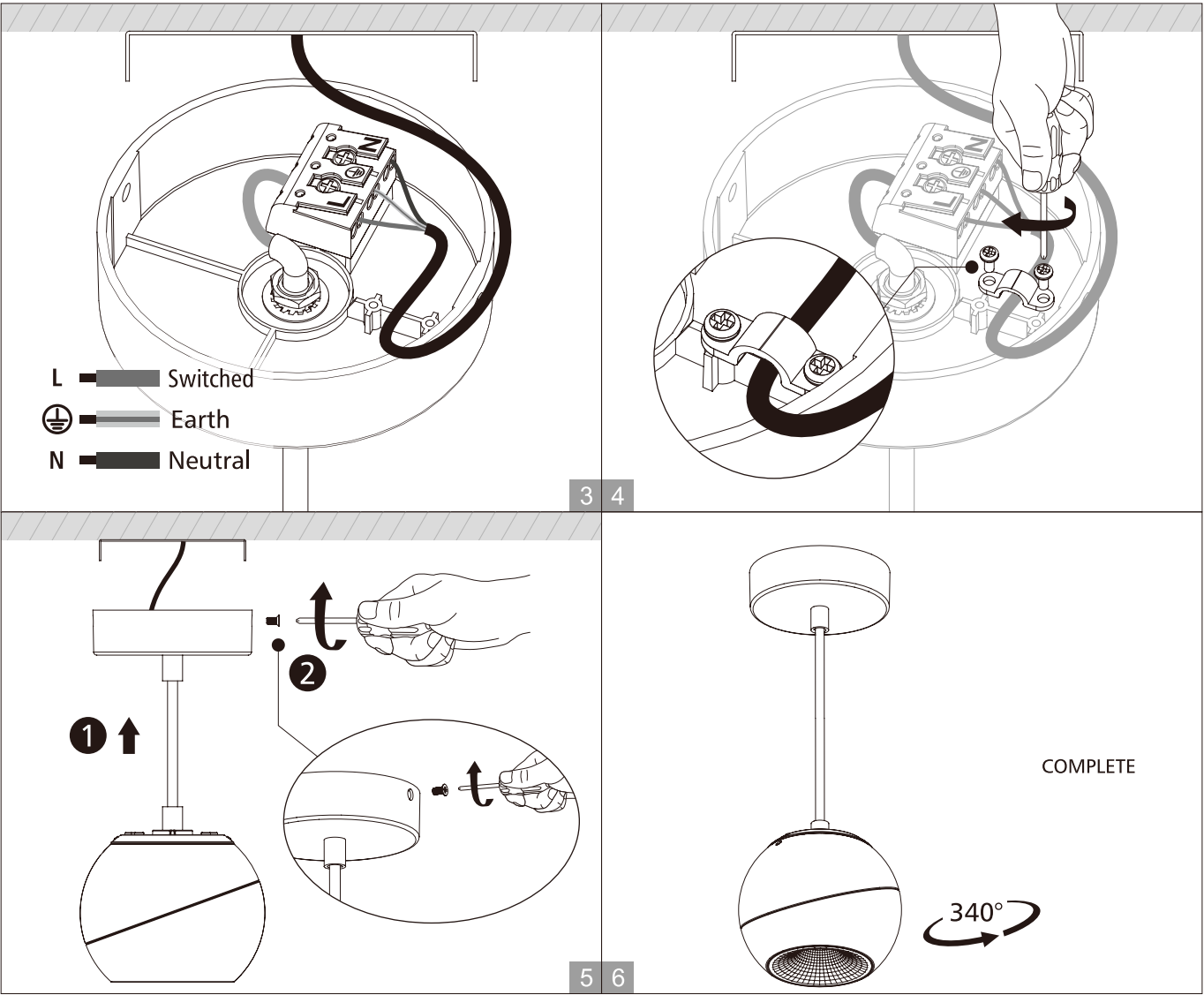
Code	Dimension(mm)					Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D	E		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
322	120	96	103	29	1200	Ø120*96	0.98	1.12	11.8	14.8	48*41.5*33	12	5328	11688
322A	120	96	84	58	1200	Ø120*96	0.97	1.1	11.65	14.55	48*41.5*33	12	5328	11688
322B	120	96	265	46	1200	Ø120*96	1.01	1.23	12.15	16.11	61.5*48*40	12	2784	6720

Driver Datasheet (Non-dimmable)

Total load wattage		10W	14W
Output	Output Voltage range	DC30-40V	
	Rated output current	250mA	350mA
	Line Regulation	±5%	
	Setup, Rise Time	<0.5S	
	Flickering Index	1%(NO RISK)	
Input	Input Voltage	AC220-240V	
	Rated Input Voltage(V)	AC230V	
	Frequency	50/60Hz	
	Input Current	0.06A	0.08A
	Rated Input Current	0.05A	0.07A
	Power Factor	0.9	
	THD	<20% @230V	
	Efficiency	>80%	
	No load wattage	<0.5W	
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, ≥100M Ω	
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V, L/N-PE:1KV)	
	EMC Emission	EN55015, EN61000-3-2	
		EN61000-4-2,3,4,5,6,8,11; EN61547	

Driver Datasheet (DALI)

Total load wattage		13W	17W	21W
Output	Output Voltage range	DC:30-40V		
	Rated output current	300mA	400mA	500mA
	Line Regulation	± 5%		
	Setup, Rise Time	<0.5S		
	Flickering Index	1%(NO RISK)		
Input	Input Voltage	AC220-240V		
	Rated Input Voltage(V)	AC230V		
	Frequency	50/60Hz		
	Input Current	0.07A	0.09A	0.11A
	Rated Input Current	0.06A	0.08A	0.09A
	Power Factor	0.85	0.9	
	THD	≤20% @230V		
	Efficiency	>80%		
	No load wattage	≤0.5W(DALI OFF)		
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	I/P-O/P: 500VDC, ≥100M Ω		
	Surge	IEC/EN61000-4-5(P<25W; L-N:500V)		
	EMC Emission	EN55015, EN61000-3-2		
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547		



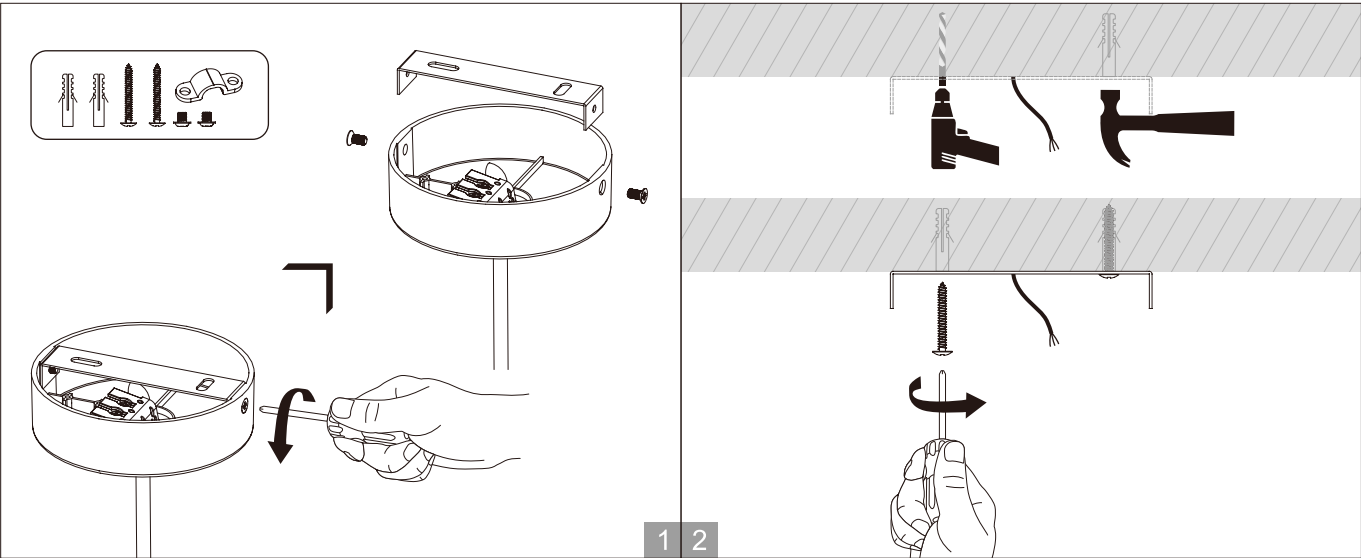
Installation Procedure

WARNING

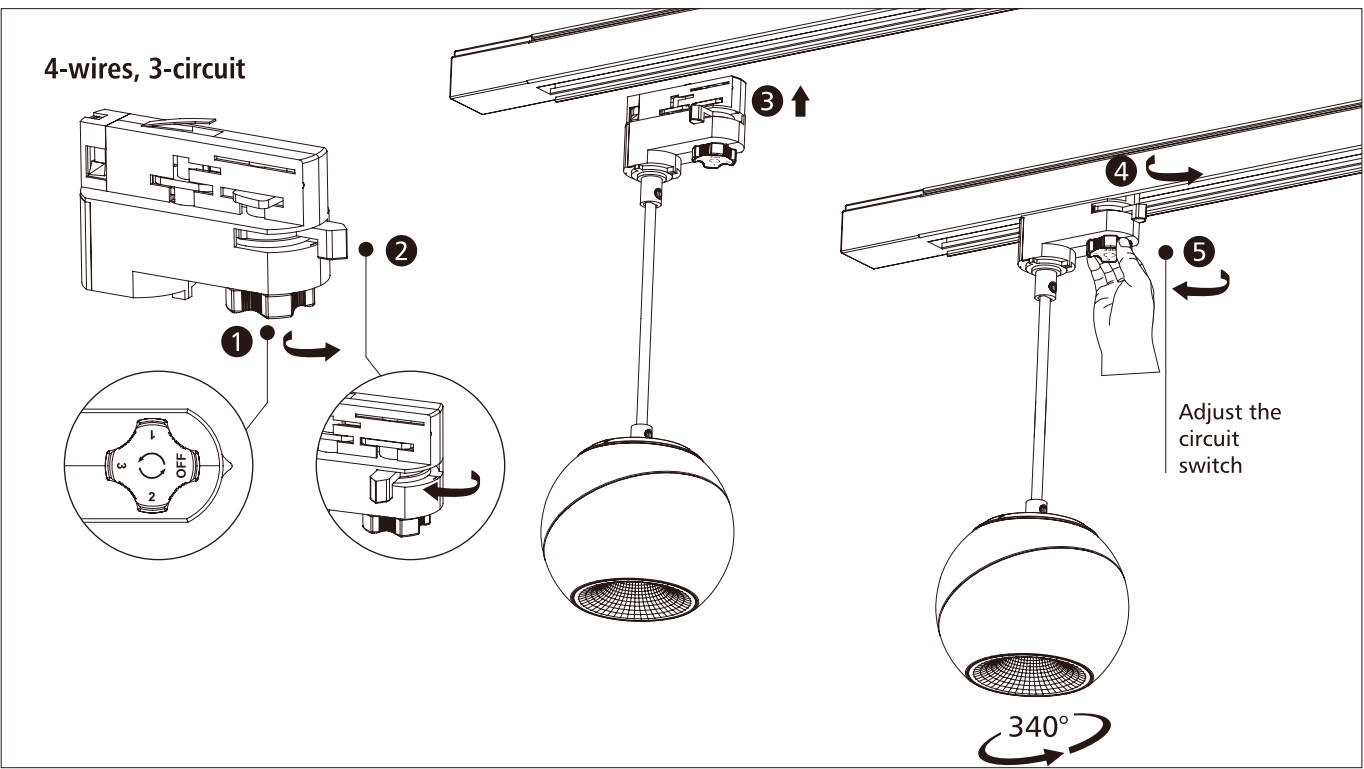
- 1.Switch off before installation.
- 2.Switch on only after complete installation and examination of the circuit.
- 3.Professional electrician for installation and maintenance only.



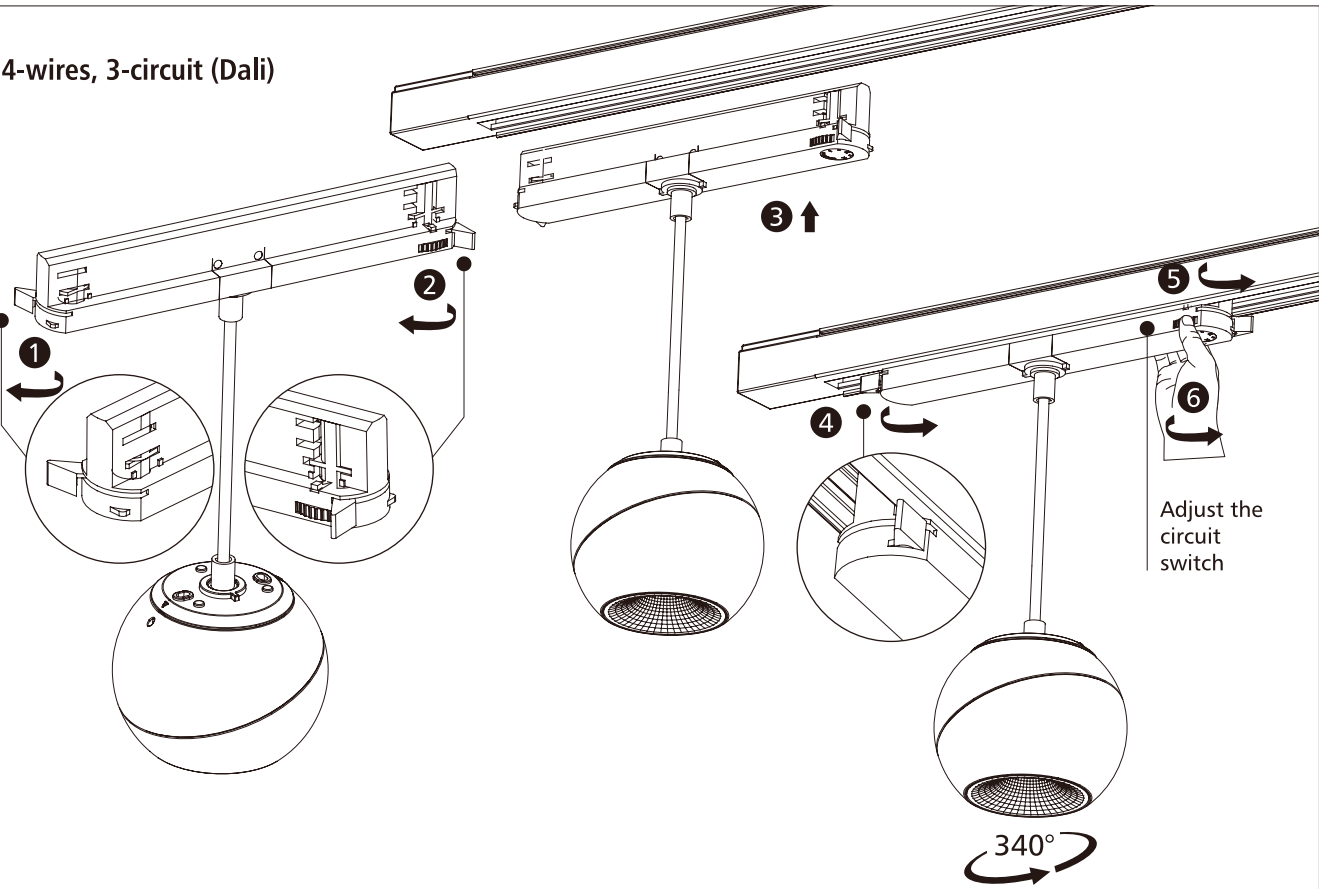
Suspended installation (With round ceiling plate)



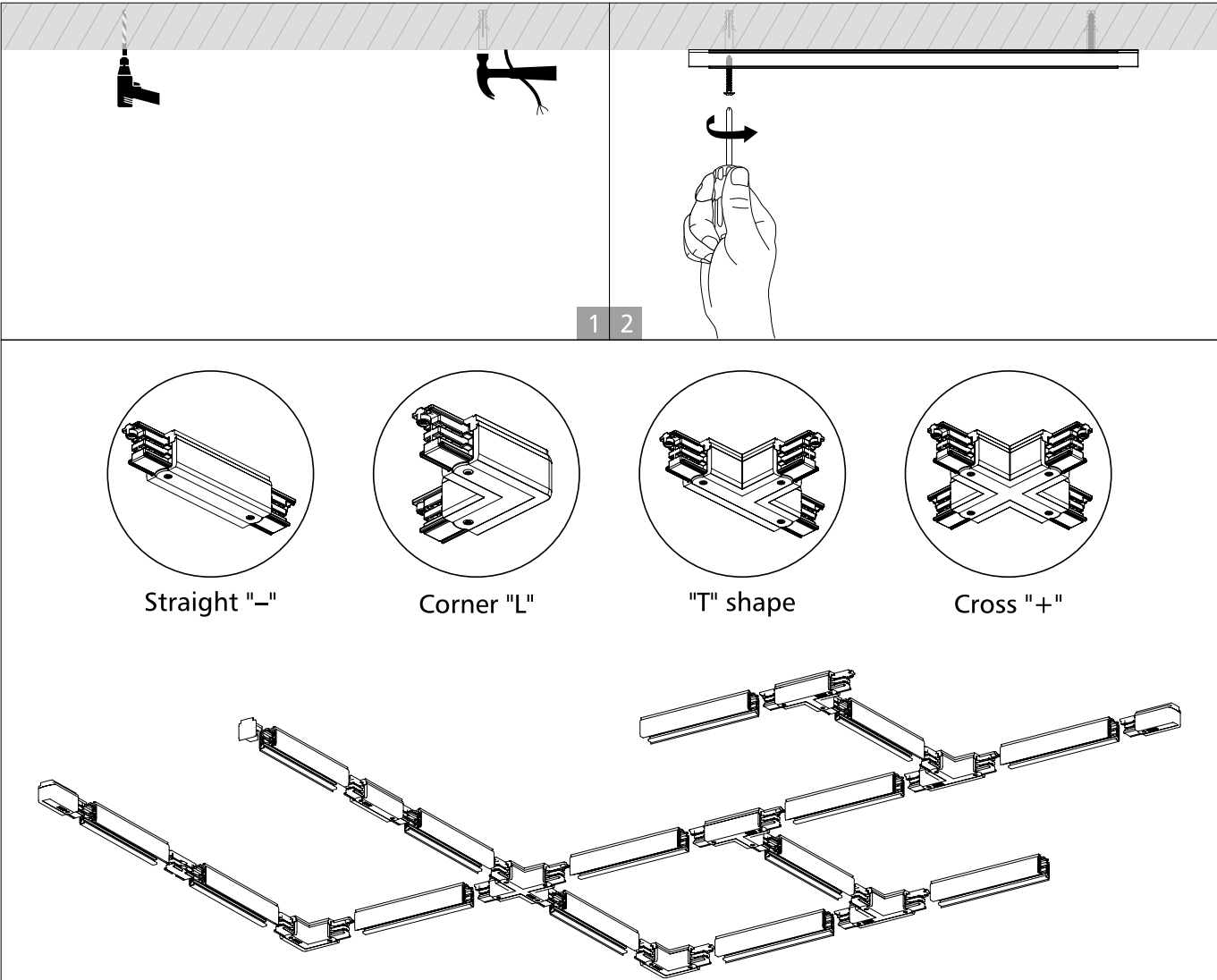
Track installation



4-wires, 3-circuit (Dali)



Installation for track



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



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