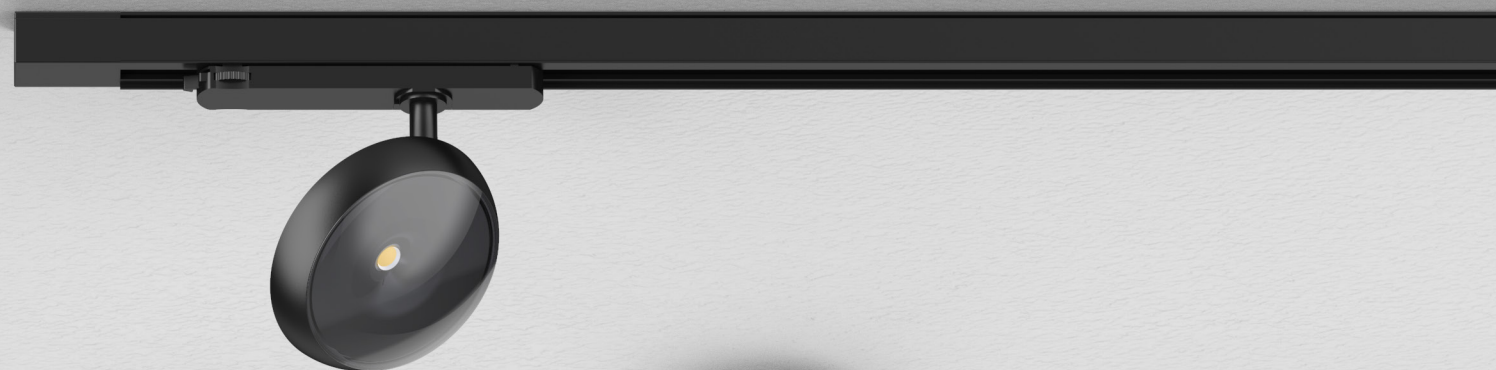
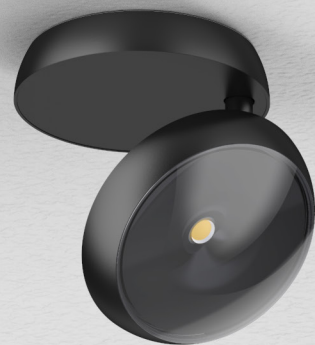


RESIDENTIAL

LIGHTING



OKIO
413 Series



DL413/TL413/PD413

IP20

The 413 series adopts round design makes the fixture more elegant, the different installation methods can be integrated into various home styles to bring a personalized atmosphere to the space.

LED Light



DL413



TL413



PD413A

PD413B

FEATURES

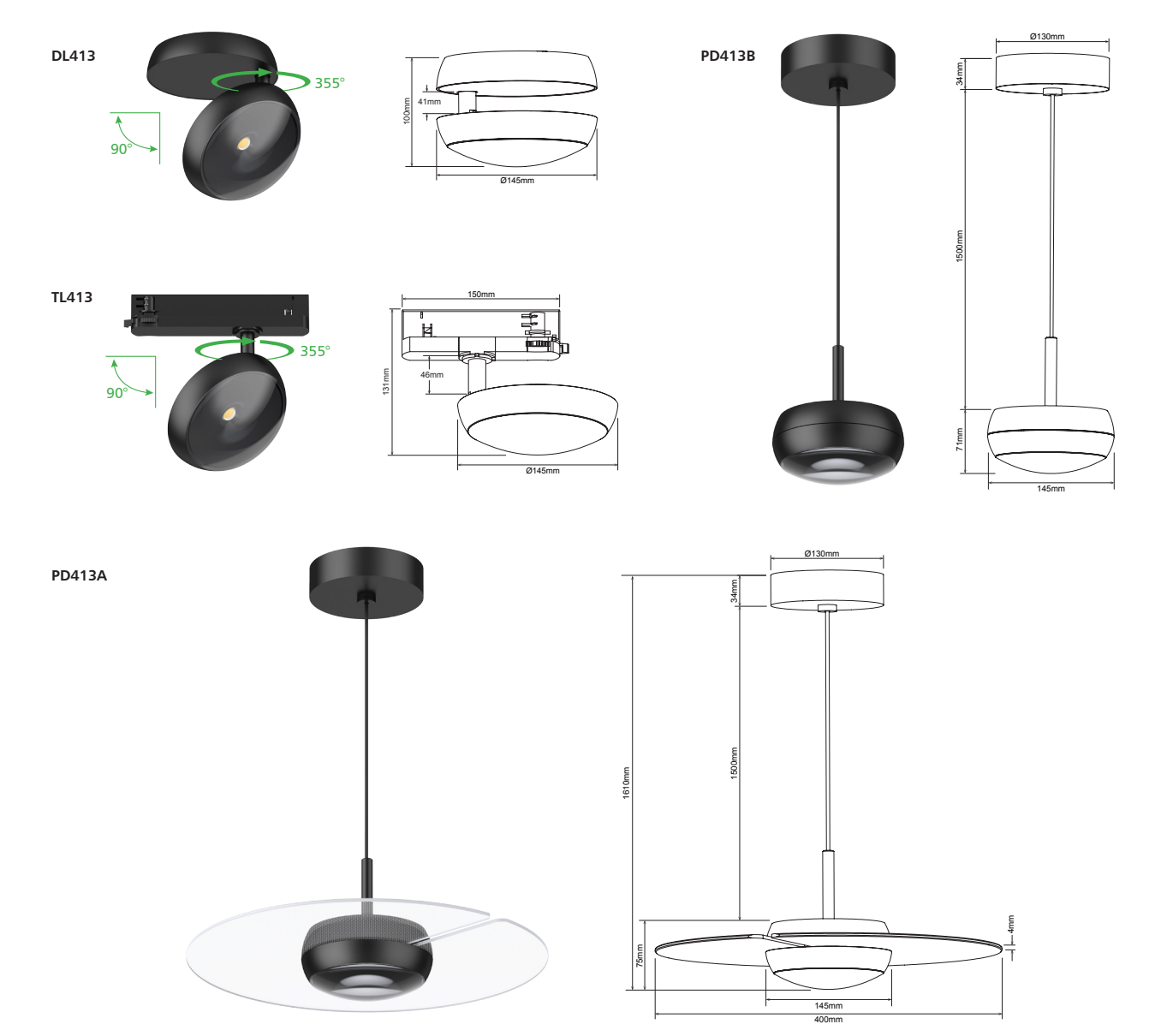
- Up/middle/down emit light at the same time, the main beam angle is 80°
- The luminous efficiency can reach to 90LM/W
- CRI ≥80 for single color, CRI ≥90 for dual color
- Built-in flicker free integrated driver
- Triac dimmable available
- CCT tunable button to adjust color temperature

APPLICATIONS

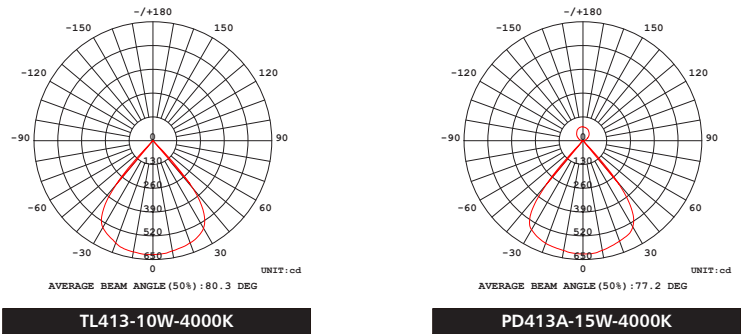
Widely used in hotel rooms, shopping malls, villa clubs, home offices and other places.



PRODUCT DIMENSION



OPTICS



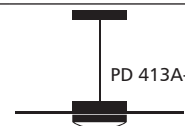
BASIC INFORMATION

Housing Material	Die-Casting Aluminium
Product Finishing	Black RAL9005
Optic Material	PC, PMMA
Light Source	SMD&COB
SDCM	<6
CRI	≥ 80, ≥90(2-CCT)
Lifetime(hr)	50,000h
LED Driver	Built-in, Flicker Free
Installation	Surface mount/ Pendant/ Track
Electrical Class	Class II
Operating Temp.(°C)	-20°C~45°C
Storage Temp.(°C)	-20°C~65°C
Glow Wire Test (°C)	650°C

FEATURES & BENEFITS

General Efficacy	90lm/W
CCT Selection DIP Switch	2 CCT
Watt Selection DIP Switch	-
Dimming Option	Triac
Functions	-
UGR	-
Ingress Protection (IP Rating)	IP20
Impact Resistance (IK Rating)	IK03
Certification	CE

TECHNICAL DATA SHEET

CodeV			 DL 413-8W	 TL 413-10W	 PD 413A-15W	 PD 413B-15W
Dimension(mm)			Ø145*H100	Ø203*H131	Ø400*H1610	Ø145*H1605
Cutout(mm)			-			
Watt(W)			8W	10W	15W	
Input Voltage			AC198-264V			
LED Module Input			DC33-38V			
Light Source			COB		COB+SMD	
CCT(K)			1-CCT: 3000K/4000K 2-CCT: 3000K + 4000K			
CCT Selection DIP Switch			YES			
Luminous Flux (lm) ±5% CRI80	1-CCT	Non-DIM	600-640	840-930	1080-1200	1090-1230
		DIM	600-640	840-930	1080-1200	1050-1200
Luminous Flux (lm) ±5% CRI90	2-CCT	Non-DIM	440-500	610-660	850-930	880-950
		DIM	440-500	620-670	840-920	870-940
Beam Angle (°)			80°			
UGR			-			
Dimming Option			Triac			
Sensor			-			
Emergency			-			
Product weight(Kg)	N.W/PC	0.74	0.54	1.6	1	
	G.W/PC	0.99	0.77	2.35	1.81	
Package weight(Kg)	N.W/CTN	8.88	6.48	3.2	6	
	G.W/CTN	12.63	9.95	5.65	11.38	
Qty/CTN(PCS)		12	12	2	6	
Carton Size(cm)		36.5*34.5*43	47.5*35.5*26.5	45.5*45.5*31.5	51.5*19*34.5	
20GP(pcs)		5760	7296	840	4608	
40HQ(pcs)		14256	16416	2000	10920	

DRIVER DATASHEET(NON-DIMMABLE)

Total load wattage		8W	10W	15W
Output	Rated output current	180mA	250mA	360mA
	Output Voltage range	DC23-40V	DC30-40V	DC30-40V
	Line Regulation	±5%		
	Setup Rise Time	≤500ms @230V		
	Flickering Index	5%(LOW RISK)		
	IEC-PST	<1	0.012	<1
	CIE (SVM)	≤0.4	0.23	≤0.4
Input	Rated Input Voltage	AC220-240V		
	Input Voltage	AC198-264V		
	Frequency	50Hz	50/60Hz	50/60Hz
	Rated Input Current	≤0.05A	≤0.06A	≤0.08A
	Input Current	≤0.05A	≤0.06A	≤0.09A
	Power Factor	0.9		
	THD	-		
	Efficiency	≥78%	80%-82%	≥84%
	Inrush current	1.68A,42.4us	1.8A/3uS@230Vac	20.6A,3.2us
	No load wattage	<0.5W @230V		
	Stand-by power consumption	-	0.3W	-
	Short circuit protection	PASS		
Protection	Over voltage protection	PASS		
	Over temperature protection	PASS		
	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S		
Safety & EMC	Isolation Resistance	I/P-O/P: 500VDC, ≥4M 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		

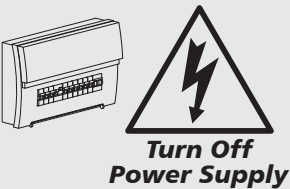
DRIVER DATASHEET(TRIAC DIMMABLE)

Total load wattage		8W	10W	15W
Output	Rated output current	180mA	250mA	350mA
	Output Voltage range	DC23-40V	DC30-40V	DC23-40V
	Line Regulation	±5%		
	Setup Rise Time	≤500ms @230V		
	Flickering Index	5%(LOW RISK)		
	IEC-PST	<1	0.063	<1
	CIE (SVM)	≤0.4	0.6	≤0.4
Input	Rated Input Voltage	AC220-240V		
	Input Voltage	AC198-264V		
	Frequency	50Hz		
	Rated Input Current	≤0.05A	≤0.06A	≤0.08A
	Input Current	≤0.05A	≤0.06A	≤0.09A
	Power Factor	0.9		
	THD	-		
	Efficiency	≥78%	≥80%	≥80%
	Inrush current	1.68A,42.4us	1.2A,28uS@230Vac	4.56A,40us
	No load wattage	<1W @230V		
	Stand-by power consumption	-	0.5W	-
	Short circuit protection	PASS		
Protection	Over voltage protection	PASS		
	Over temperature protection	PASS		
	Withstand voltage	I/P-O/P:3.75KVac, <5mA 60S		
Safety & EMC	Isolation Resistance	I/P-O/P: 500VDC, ≥4M 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		

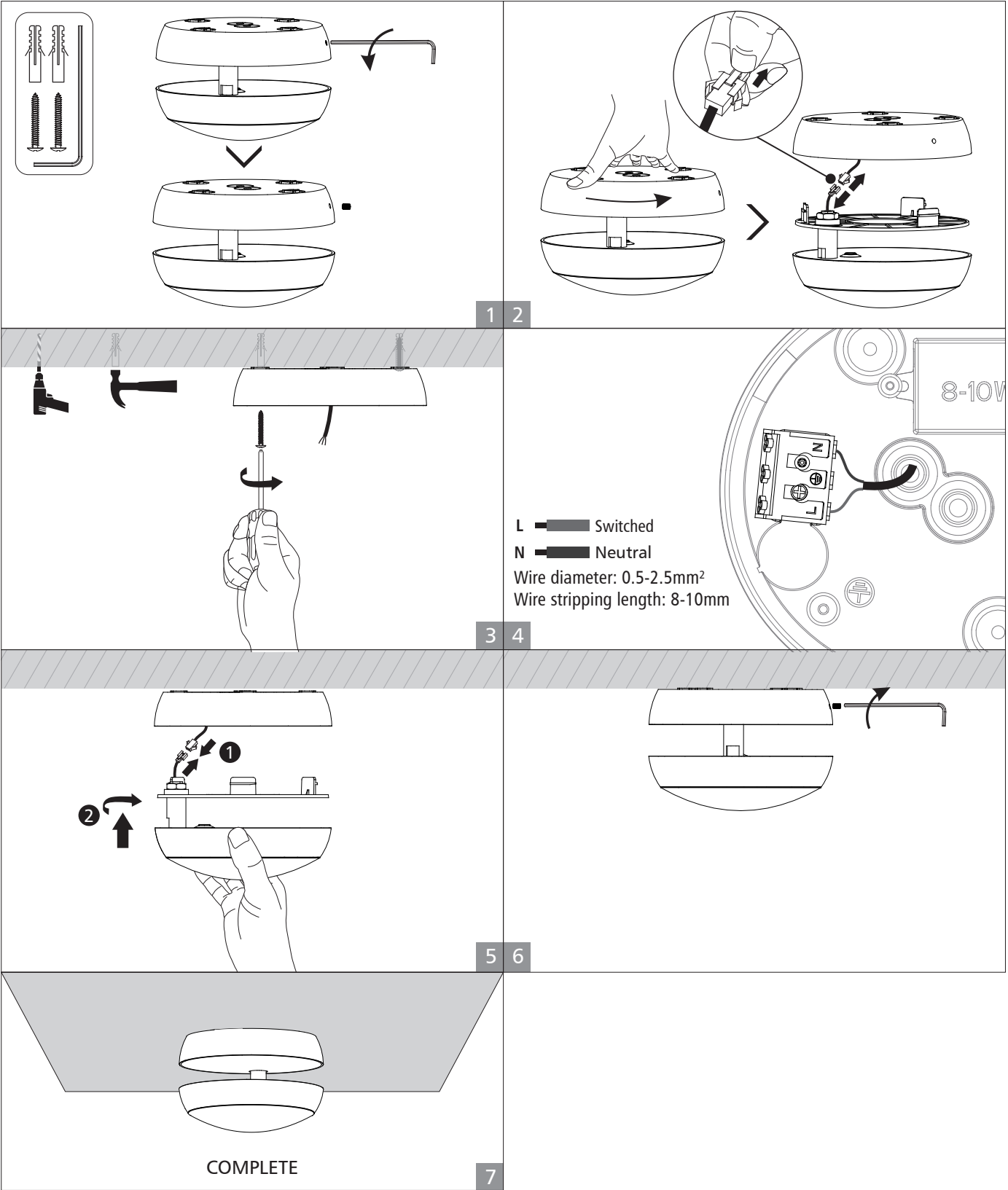
Installation Procedure

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.

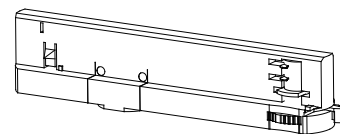


Surface mount installation



Track installation

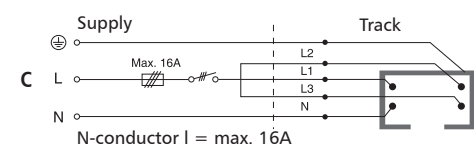
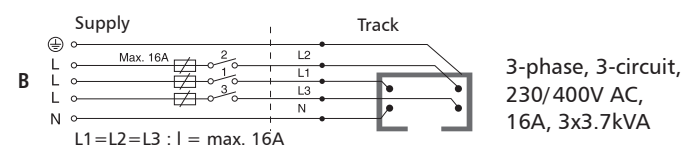
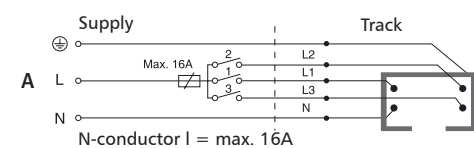
Select corresponding adapter before installation



4-wires, 3-circuit

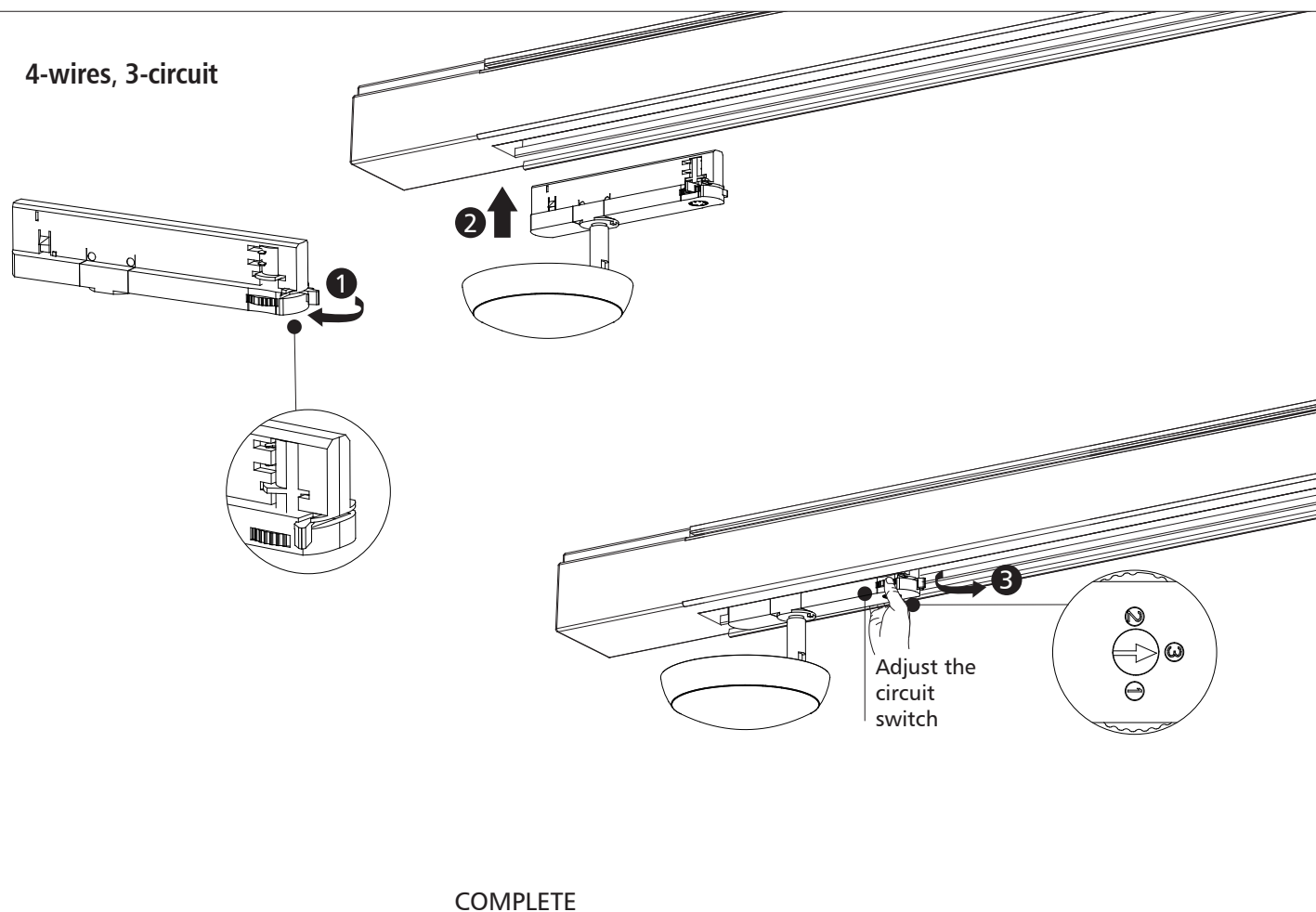
Wiring Diagram (Please select according to the actual product)

4-wires, 3-circuit



Installation

4-wires, 3-circuit



Pendant installation

