

CAFFIC

60W Max

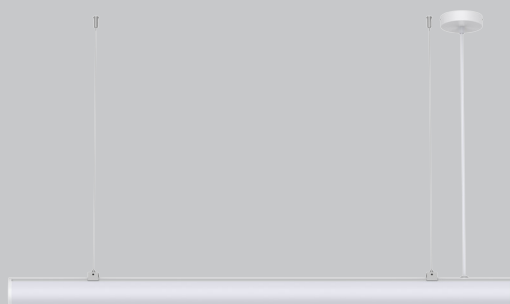
IP20



0-10V



Surface mount



Pendant



Strengthen connector for splicing



- Wide emitting angle with 200 degree
- Easy splicing way for multiple lamps
- Interchangeable CCT(3000K+4000K+5700K) with DIP switch
- High lumen efficiency, 120lm/W for energy saving
- Functions: Microwave sensor, Emergency
- Flexible mounting ways: surface mount/ wall mount/ pendant/ splicing
- Dimming ways: 0-10V, DALI
- Internal flicker free driver

Technical Data

Installation method / 安裝方式 / Metodo de instalacion

Pendant Mounted / Ceiling Mounted 吊掛式/吸頂式

Dimension-尺寸-Dimensión	• Dia 72 x L600mm • Dia 72 x L1200mm • Dia 72 x L1800mm
Power Consumption Max-燈具功率 Consumo de energía Max	• Dia 72 x L600mm: 20W 23W • Dia 72 x L1200mm: 34W 38W 40W • Dia 72 x L1800mm: 56W 60W
Input Voltage-輸入電壓-Voltaje de entrada	AC220-240V 50/60HZ
LED Driver TypeLED驅動款式 Tipo de controlador LED	Integrated-type LED Driver--Refer to LED driver specification 請參閱LED驅動器規格 Consulte la especificación de controlador de LED 1. ON/OFF Switch AC220-240V 50/60HZ 2. 0/1 -10V Dimming Driver AC220-240V 50/60HZ 3. DALI Dimming Driver AC220-240V 50/60H 4. Microwave sensor
LED Driver Features驅動特性 Funciones del controlador de LED	POWER FACTOR : PF>0.90 TOTAL HARMONIC DISTORTION: THD< 20%
Control Protocol-控制協議 Protocolo de Control	0/1-10V / DALI
Beam Angle/光束角/ángulo de haz	200°
Light Source -光源	SMD
"Lumen Maintenance LM-80 Reported by TM-21"	L70 > 54,000 hrs
LED Life-LED壽命-La vida del LED	>100,000 hours
Color Temperature -色溫 Temperatura del color	2700K / 3000K / 4000K / 5000K / 6500K Tunable White: 2700K-6500K
Color Rendering Index-顯色指數 Índice de reproducción cromática	> 80 > 90
MacAdam Ellipses Binning 麥克亞當橢圓分級 Mac Adam binning elipse	Standard Deviation Colour Matching < 3 SDCM 標準偏差配色 < 3 SDCM Coincidencia de color estándar Desviación < 3 SDCM
Luminaire Efficacy 燈具效率 La eficacia de la luminaria	100 lm/w(2700K), 100 lm/w(3000K), 110 lm/w(4000K), 120 lm/w(5000K), 120 lm/w(6500K), 100lm/w @TW (2700K-6500K)
LED Source Luminous Efficacy LED光源光效 Fuente luminosa LED Eficacia	130 lm/w(2700K), 140 lm/w(3000K), 150 lm/w(4000K), 150 lm/w(5000K), 150 lm/w(6500K) 150lm/w @TW (2700K-6500K)
Housing materials-外殼材料 Materiales de la carcasa	Die-cast aluminum and Opal Polycarbonate Diffuser or Prismatic Diffuser 壓鑄鋁和乳白擴散器或稜鏡漫射器 Fundición de aluminio y PC
Housing Color外殼顏色 color de la carcasa	Matte White RAL9016 白色RAL9016 Matte Black RAL9005 黑色RAL9005
Ingress Protection-防護等級 Protección de ingreso	IP20
Operating Temperature Range / 工作溫度範圍 Rango de temperatura de funcionamiento	-20 °C / +50 °C
Operating Humidity -工作濕度 Humedad de funcionamiento	0~90%, non-condensing-不結霜 sin condensación
Comply Testing Standard 符合測試標準 Cumplir el estándar de prueba	LED Luminaries: LVD: IEC/EN 60598-1;EN / IEC/EN 60598-2-1;IEC62471;IEC/EN 62031; IEC/EN 62493 ; IEC/EN 62471 (Risk Group 1) LED Driver: IEC/EN 61347-1; IEC/EN 61347-2-13; IEC/EN 62384; IEC/EN 61000-3-2; IEC/EN 61000-3-3;IEC/EN61574;EN 55015 ; IEC /EN 62384
Certification-認證-Certificación	     

Project	Fixture#	Date
		Firm

Ordering Information

Choose the option that suits your need and write its corresponding code on the appropriate line to form the product code.

Example product code: [CAFFIC-34W](#)

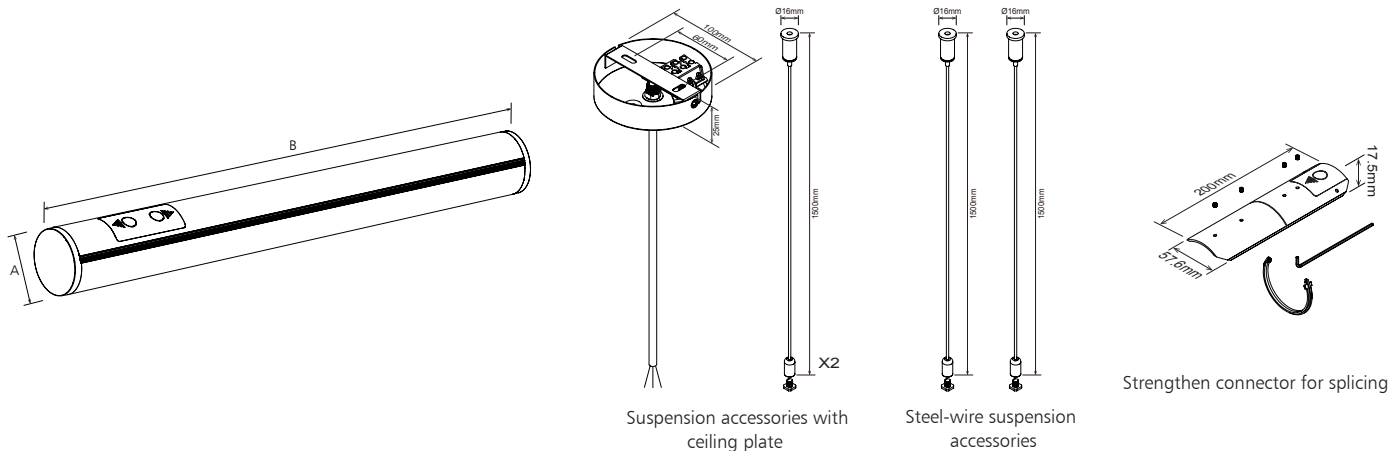
CAFFIC - -

[Power Consumption](#)

Power Consumption	
Code	Description
20W	20W @ Dia 72 x L600mm
23W	23W @ Dia 72 x L600mm
23W	23W @ Dia 72 x L600mm
34W	34W@Dia 72 x L1200mm
38W	38W@Dia 72 x L1200mm
40W	40W@Dia 72 x L1200mm
56W	56W@Dia 72 x L1800mm
60W	60W@Dia 72 x L1800mm



Technical Drawing



Measurement

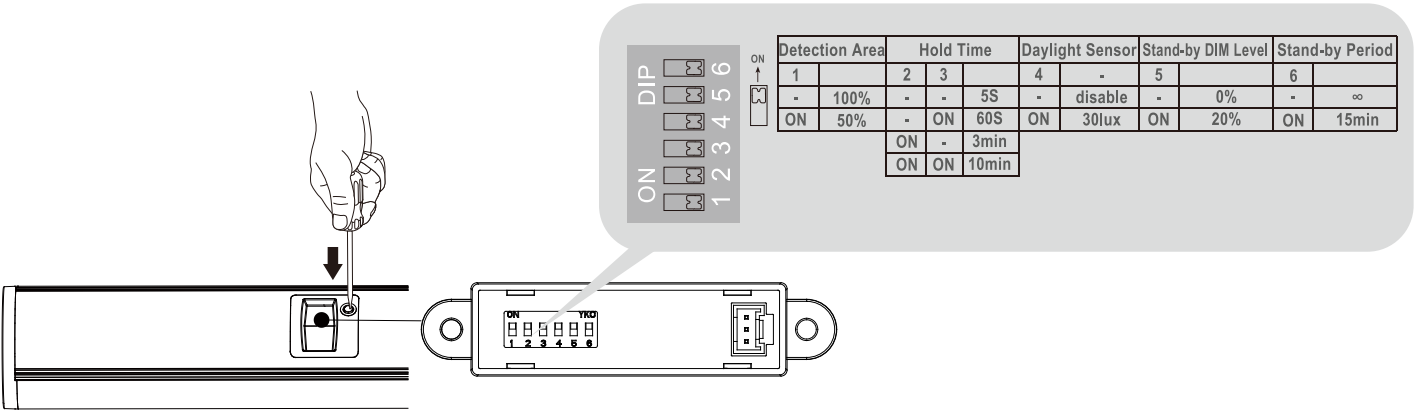
Code	Dimension(mm)		Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
CAFFIC-600	72	600	Ø72*600	1.12	1.41	13.44	16.18	75*36*30.5	12	3780	8928
CAFFIC-1200	72	1200	Ø72*1200	1.89	2.35	11.31	15.18	135*27.5*21	6	1980	4824
CAFFIC-1800	72	1800	Ø72*1800	2.75	3.40	10.98	14.77	195*19*21	4	1320	3168

Unit: mm

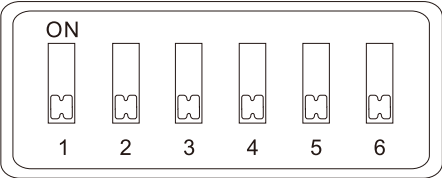
Driver Datasheet (Sensor)

Operating Voltage	DC7-12V
Microwave frequency	5.8GHz±75MHZ, ISM wave band
Detection angle	140°
Detection Area	DIP switch 4-6M (50%/100%) Remote 4-6m (25%/50%/75%/100%)adjustable
Hold time	DIP switch 5S/60S/3min/10min Remote 5S/1min/5min/10min/adjustable
Daylight threshold	DIP switch 30lux/disable Remote 15lux☾/50lux☀/disable/adjustable
Stand-by DIM Level	DIP switch 0% / 20% Remote 10%/30%/adjustable
Stand-by Period	DIP switch 15min/8 Remote OS/1min/10min/+/-adjustable
Dimming Range	Pressing this button continuously, the brightness will increase or reduce 5% for each adjustment ON mode is still available. Dimming range: 30%-100%
Microwave ON/OFF function	Pressing this button, the sensor function will be turned off,the lamp will remain ON/OFF and keep same brightness as last setting. The sensor mode can be restored and workable by pressing the 'Detection Area' button.(Other paramerers stay the latest setting)
Installation Height	Recommended Installation Height: Wall mounted height 1.8m. Ceiling mounted height 3m.
Minimum mounting distance	recommended install height should be more than 3m
Operating temperature(°C)	-20°C~60°C

Sensor Setting



Factory setting



Factory settings				
Detection Area	Hold Time	Daylight Sensor	Stand-by DIM Level	Stand-by Period
100%	5S	Disable	0%	∞

Sensor Setting

Detection area:

Sensor test condition: The test is based on 3m height, the detect distance radius is based on ground, the detect distance can be adjusted through the slide switch.

Sensor test environment and reference:The detective range is measured by human body whose stature is around 1.6-1.7M with medium size and traveling speed is around 1.0-1.5M per second. If the stature, bodily form and traveling speed are changed,then the detective range will be changed accordingly.

Sensor lamp's reaction under open/narrow environment:Test result will be highly influenced by test environment, the more open environment, the closer detect distance; the narrower environment, the longer detect distance. The detector may do self-excitation in a narrow environment.

Sensor Setting based on environmental disturbance:Some environmental disturbances will cause abnormal induction, such as the lamp can not automatically turn off for a long time or the sensor function is invalid, then users can adjust sensor distance to reach the ideal effect. It is recommended to adjust the sensing distance to 50% for the environment where near the heavy equipment, metal sheets and metal pipes, concrete wall (<30cm thickness) etc. Recommend to keep 100% sensor distance in open environment. For environment where near the routers, telecommunications base stations, electrical machinery etc, it is recommended to keep the installation distance of more than 5 meters and adjust to 50% sensor distance.

Hold time:

Refers to the time period the lamp remains at 100% illumination after no motion detected.

Notice 1: The hold time can be selected by the slide switch.

The hold time counting should be started after the sensor is powered on and initialized.

Daylight sensor:

The sensor can be set to only allow the lamp to illuminate below a defined ambient brightness threshold. When set to Disable mode, the daylight sensor will switch on the lamp when motion is detected regardless of ambient light level.

Notice 1: The light threshold can be selected through the slide switch, it may cause a large deviation in different lamps.

Stand-by dimming level:

This is the dimmed low light output level you would like to have after the hold-time in the absence of people.

Detection Area	
1	
-	100%
ON	50%

Hold Time		
2	3	
-	-	5S
-	ON	60S
ON	-	3min
ON	ON	10min

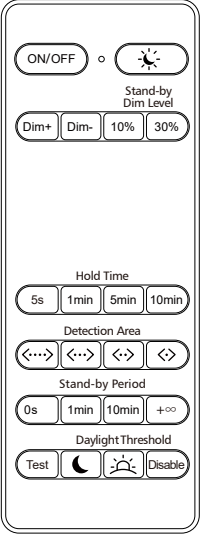
Daylight Sensor	
4	-
-	disable
ON	30lux

Stand-by DIM Level	
5	
-	0%
ON	20%

Stand-by Period	
6	
-	∞
ON	15min

Stand-by period:
This is the time period you would like to keep at the low light output level before it is completely switched off in the long absence of people.

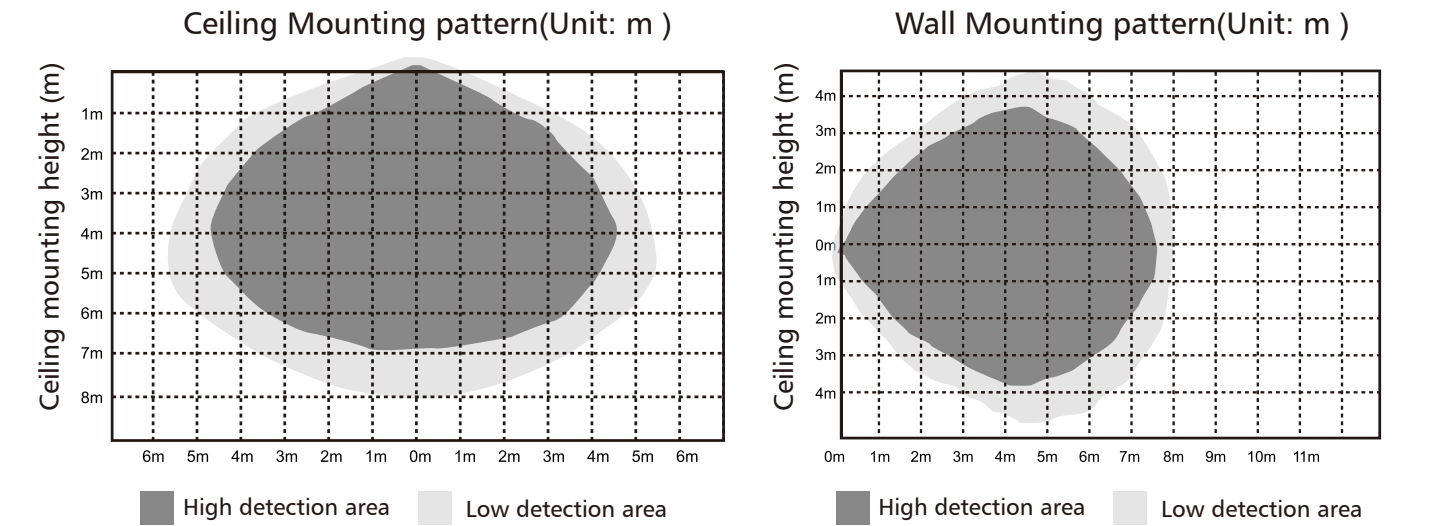
Sensor Setting



Button	Function	Description
ON/OFF	Normal ON/OFF	Pressing ON/OFF button, the sensor function will be turned off, the lamp will remain ON/OFF and keep same brightness as last setting. The sensor mode can be restored and workable by pressing the 'Detection Area' button.(Other paramerers stay the latest setting)
	Night light function	Short press , the lamp will keep 10% brightness as a night lamp. Long press 3 seconds to reset sensor mode, the lamp will recover to 100% brightness, all parameters will keep same as DIP setting. In night lamp mode, press Dim+/Dim- can restore to last setting status and do relevant dim+/dim- adjustment.The sensor mode can be restored and workable by pressing the 'Detection Area' button.(Other paramerers stay the latest setting)
Dim +	Increasing Brightness	Pressing this button continuously, the brightness will increase 5% for each adjustment. ON mode is still available. Dimming range: 30%-100%
Dim-	Reducing Brightness	Pressing this button continuously, the brightness will reduce 5% for each adjustment. ON mode is still available. Dimming range: 30%-100%
Stand-by Dim Level	Low Brightness	10% , 30%
Hold Time	100% Brightness	5s, 1min, 5min, 10min
Detection Area	Detection Area	100% <...> , 75% <...> , 50% <> , 25% <>
Stand-by Period	Stand-by Time	0s, 1min, 10min, + ∞
Test	TEST Button	Pressing this button, the light will turn off after 2 seconds. Restore to last sensing setting after power off.
Daylight Threshold	Threshold	15Lux , 50Lux , Disable

- 1.The infrared remote control is a point-to-point controller, which can be operated one-to-one or one-to-many without code pairing. The lamp will light up and flash once when it receives a signal.
2. Separate control on each luminaire requires an installation distance of 3 meter between two adjacent lamps.
3. If lose control, please operate with a closer distance, recommend remote control distance is 3 to 5 meters.

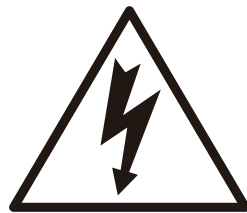
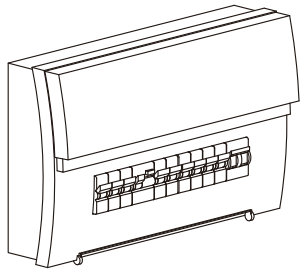
Induction Range



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

Surface mount installation

1

2

3

4

5

6

7

Standard	Emergency	DALI	0-10V
L=Switched ⊕=Earth N=Neutral	L'=Switched L=Unswitched ⊕=Earth N=Neutral	L=Switched N=Neutral ⊕=Earth DALI+ DALI-	L=Switched N=Neutral ⊕=Earth DIM+ DIM-

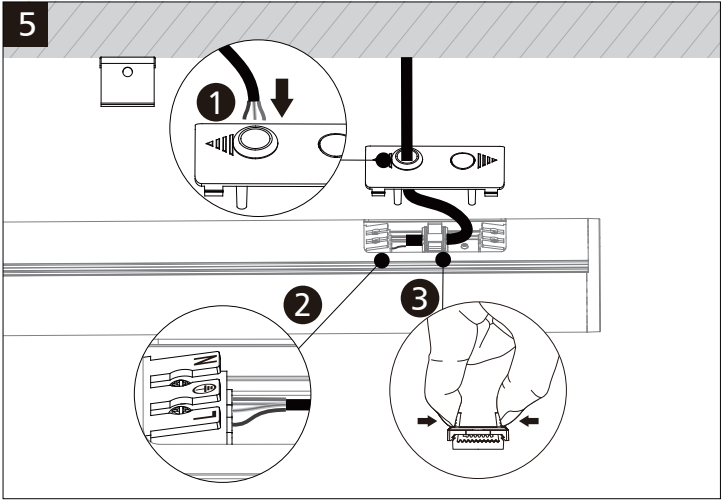
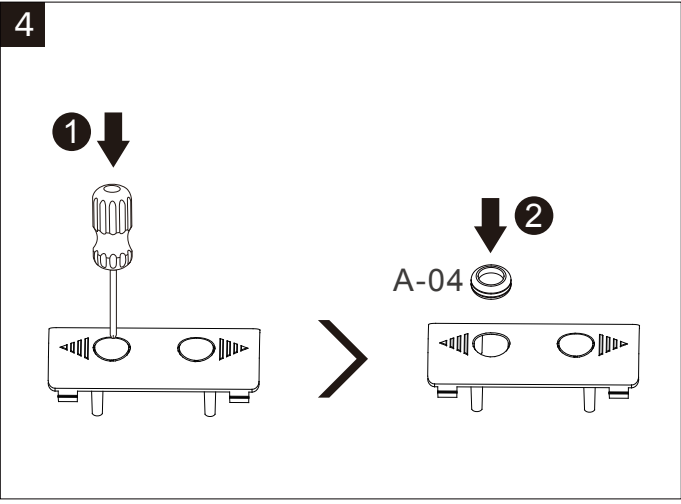
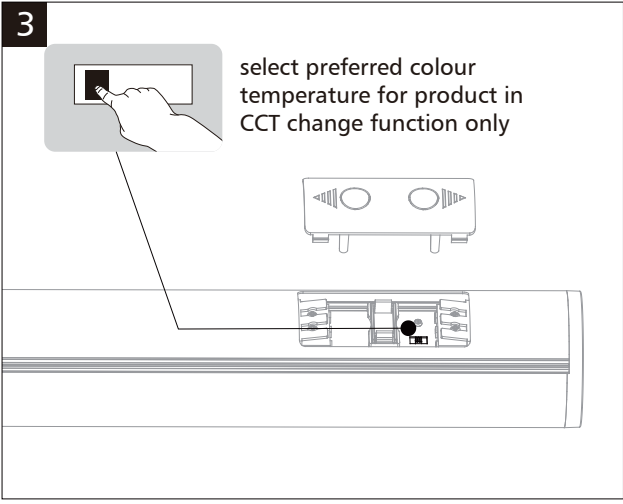
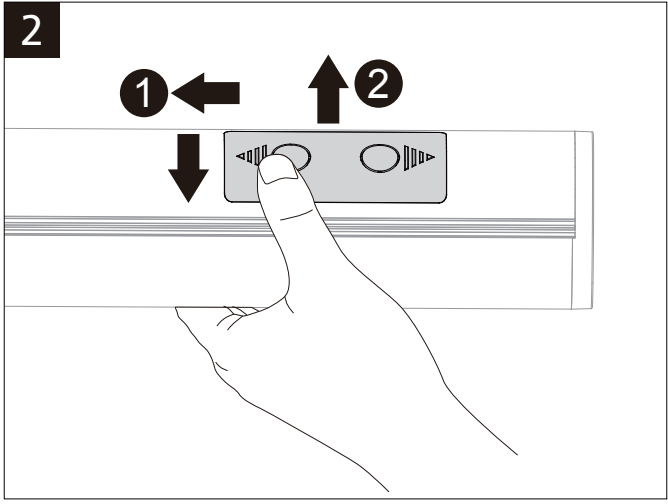
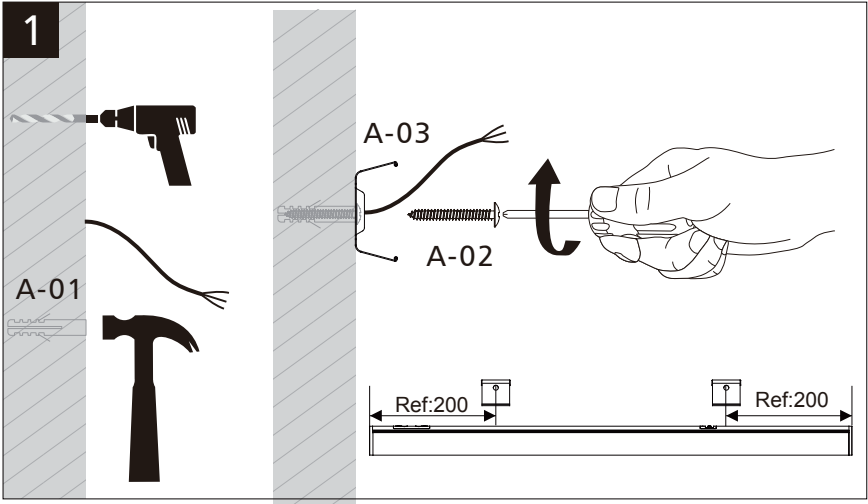
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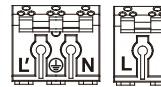
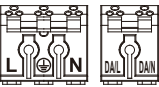
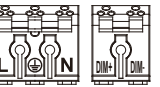
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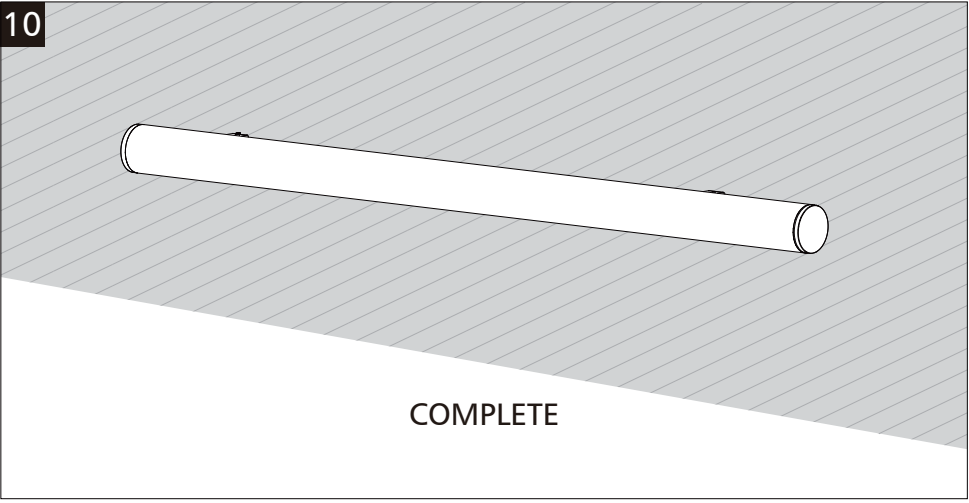
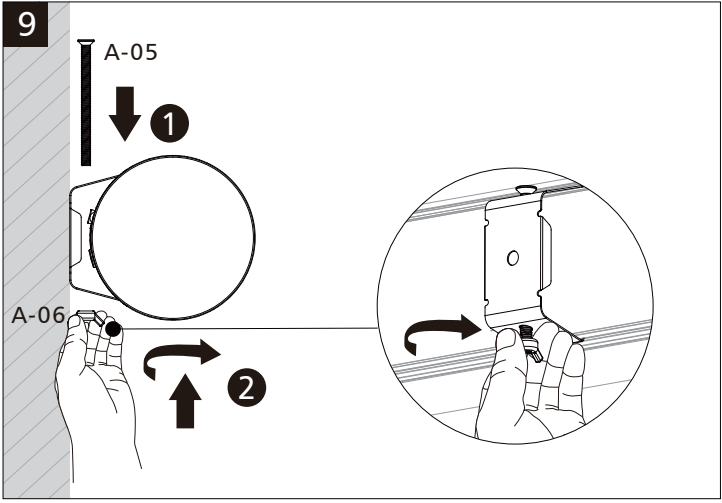
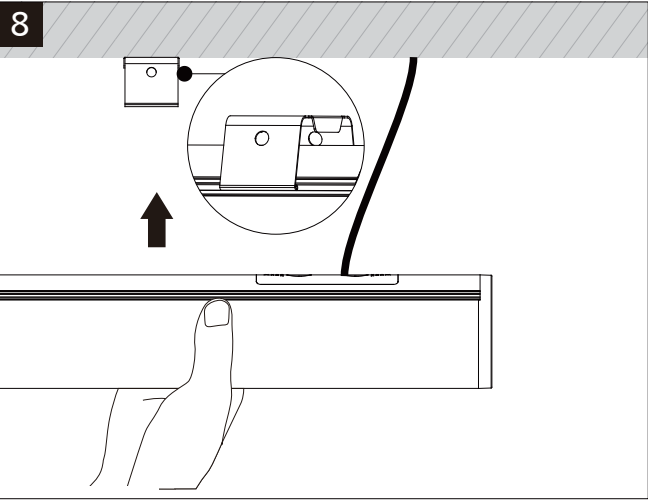
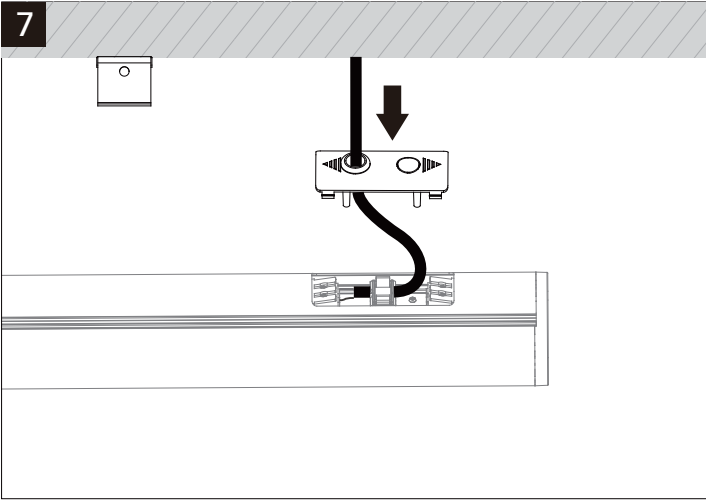
Wall mount installation

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ACC	x2	x2	x2	x2	x2	x2

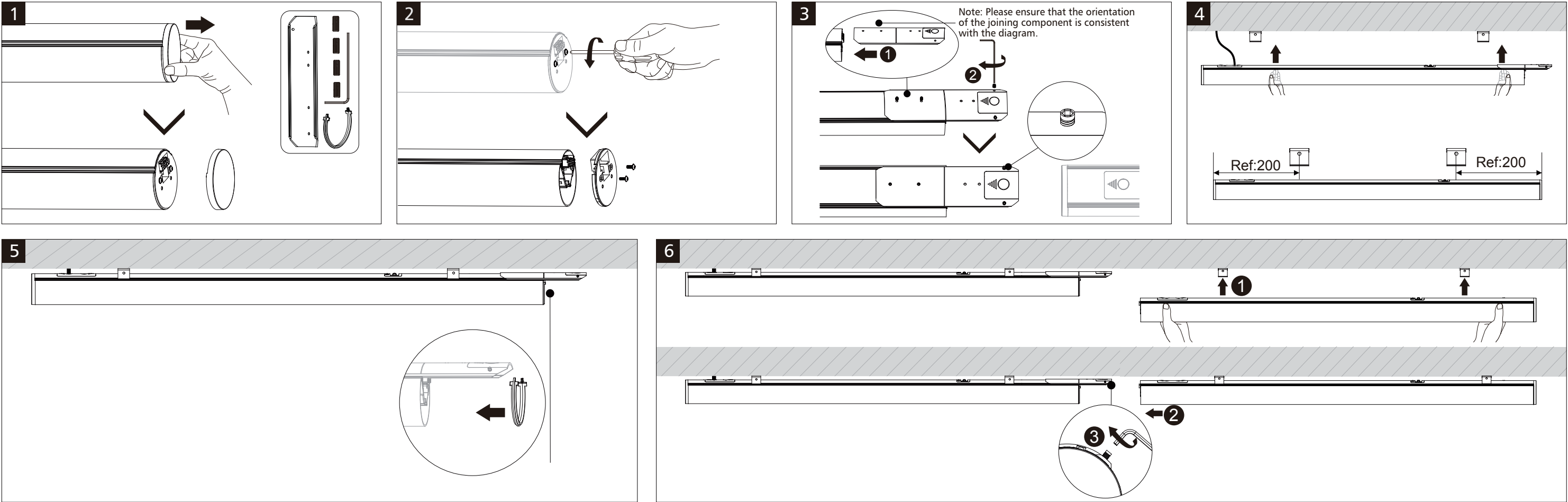


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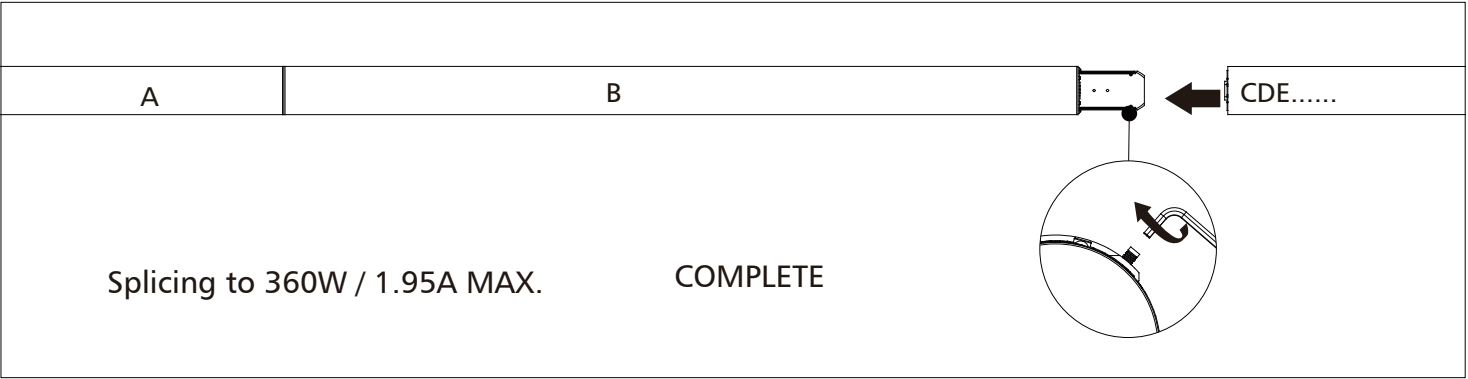
Standard	Emergency	DALI	0-10V
			
L=Switched ⊕=Earth N=Neutral	L'=Switched L=Unswitched ⊕=Earth N=Neutral	L=Switched N=Neutral ⊕=Earth DAL/L DAL/N	L=Switched N=Neutral ⊕=Earth DIM+ DIM-



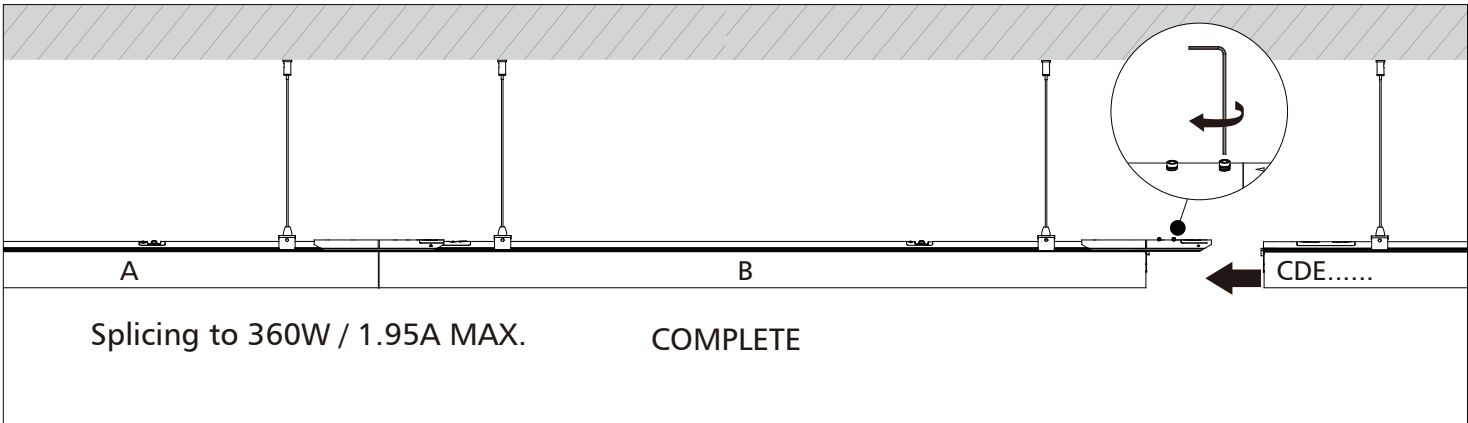
Surface mount splicing installation



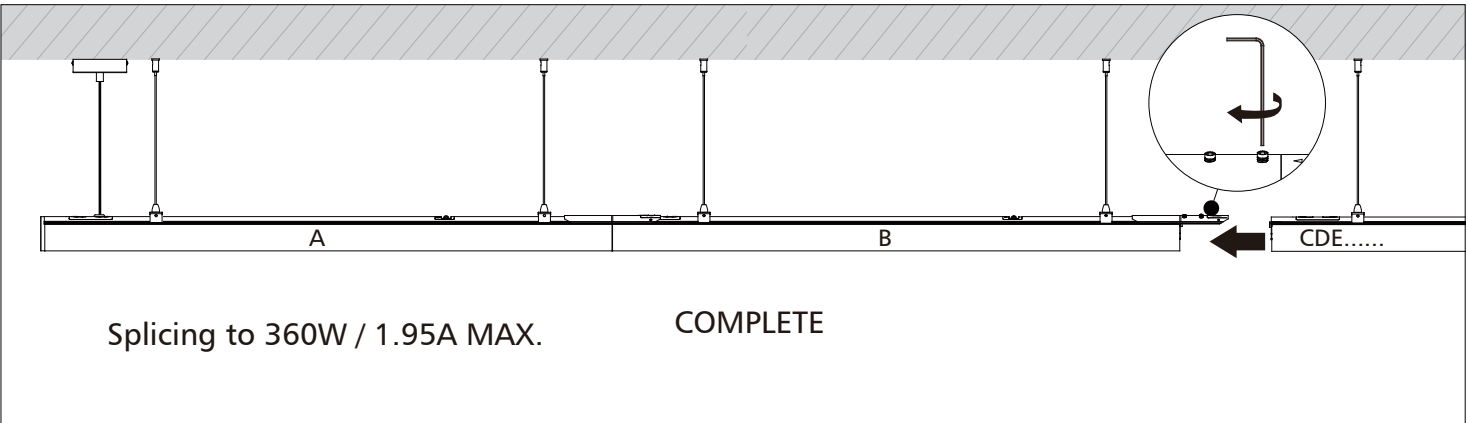
Wall mount splicing installation



Pendant splicing installation(Without round ceiling plate)

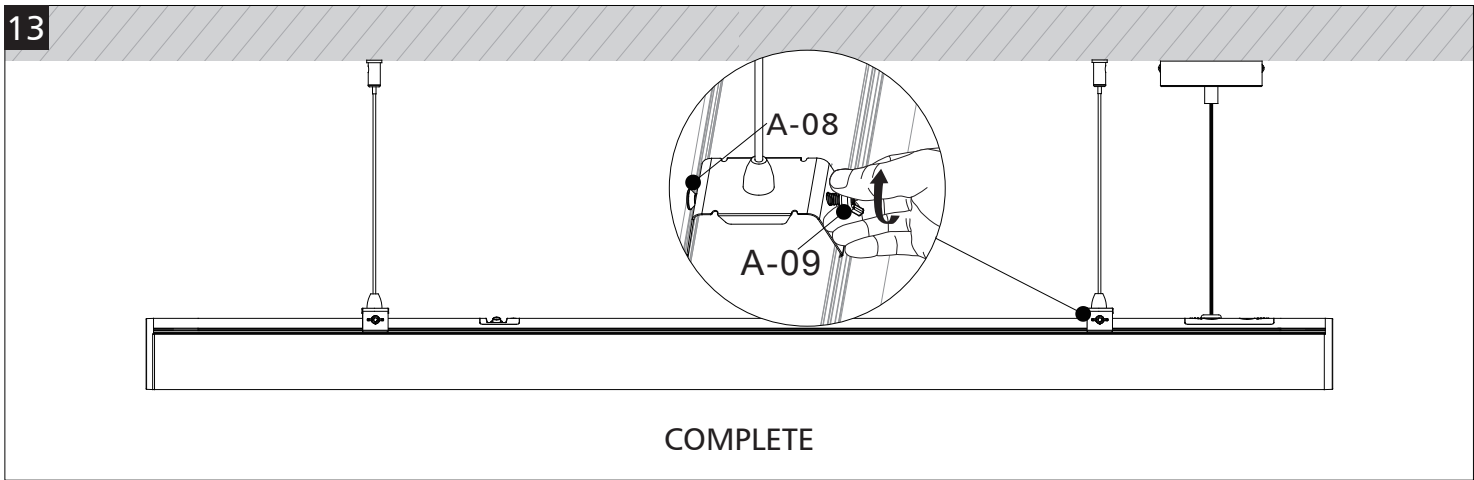
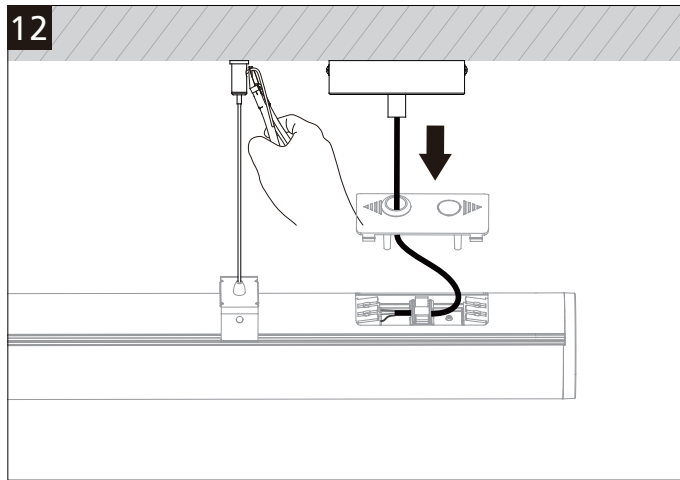
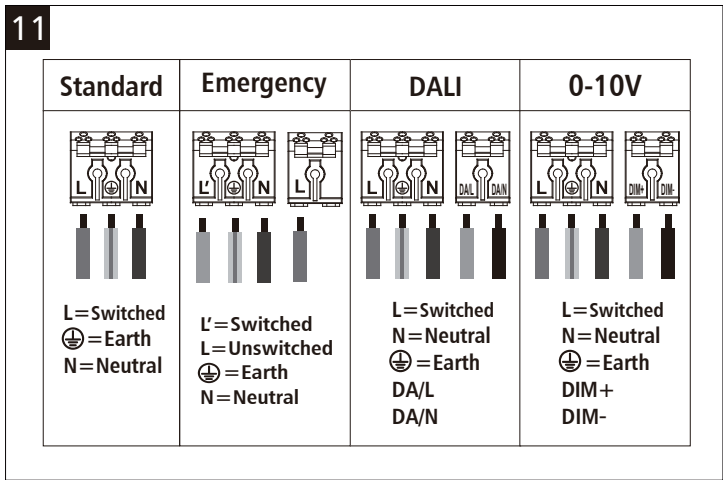
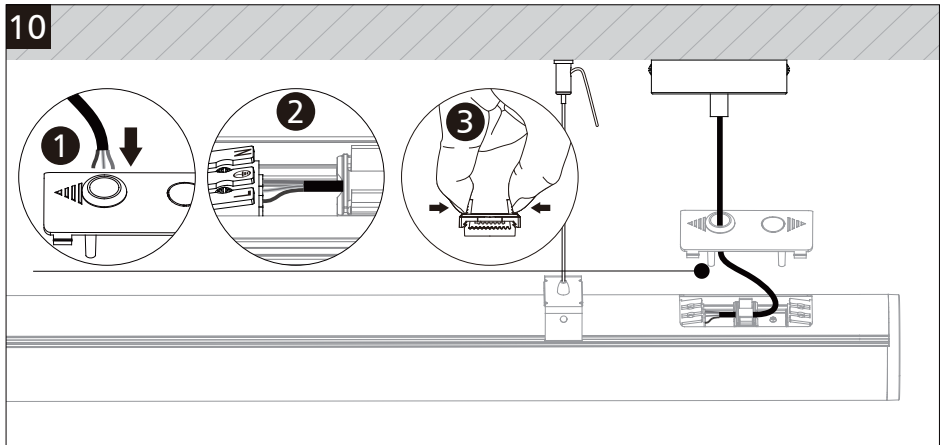
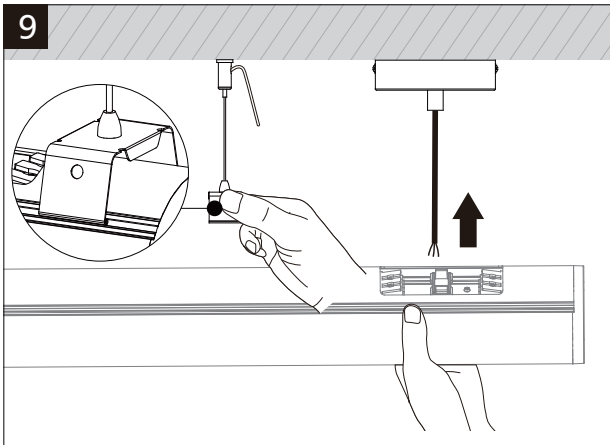
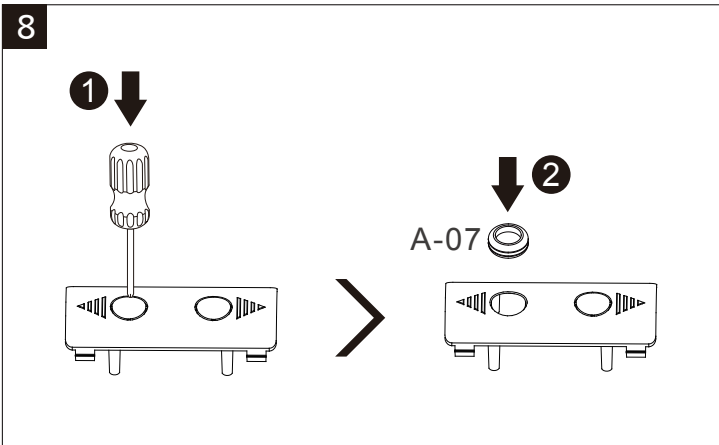
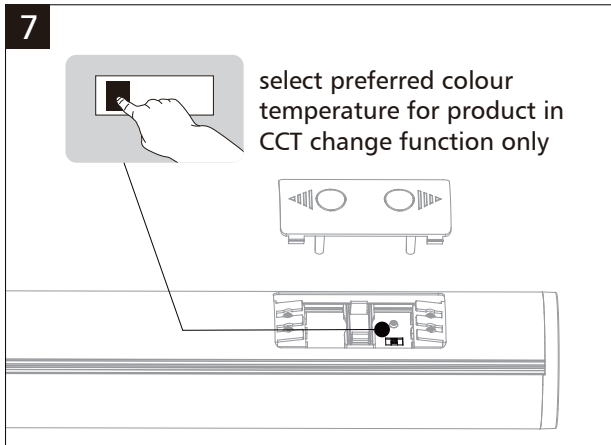
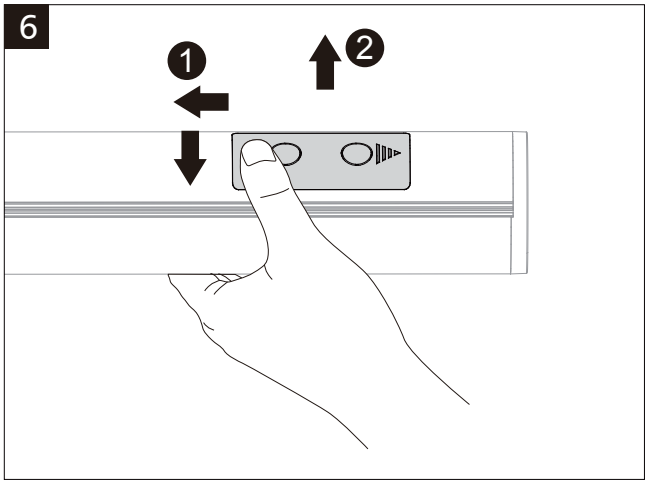
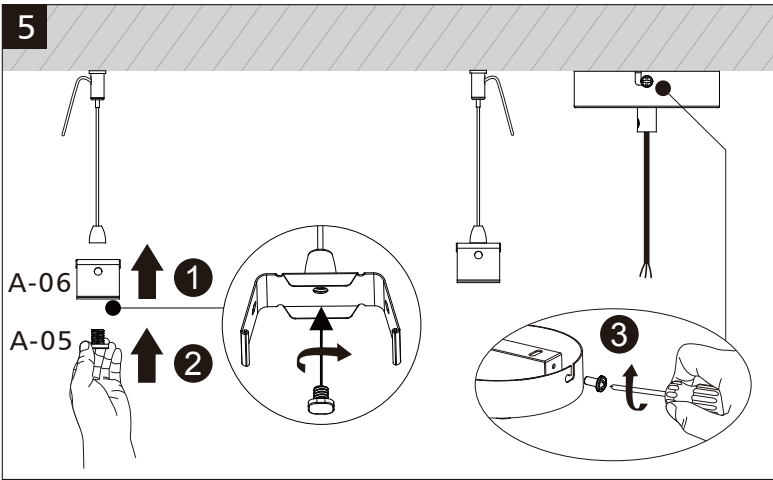
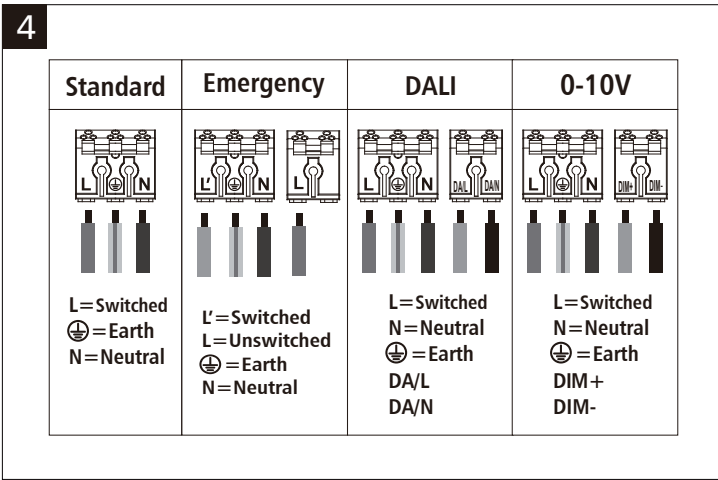
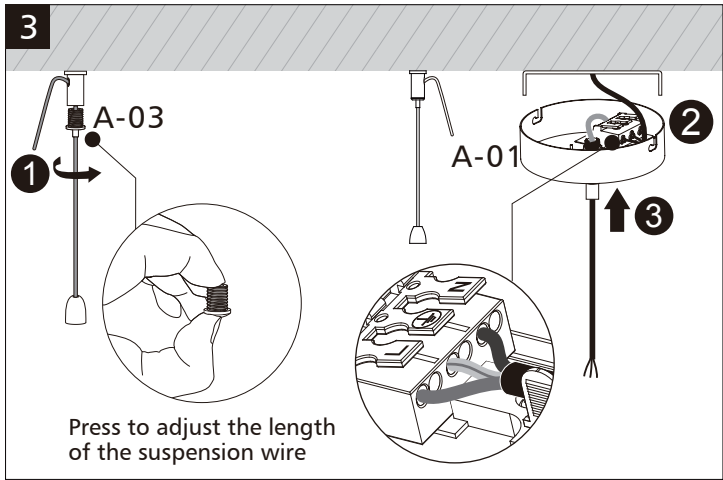
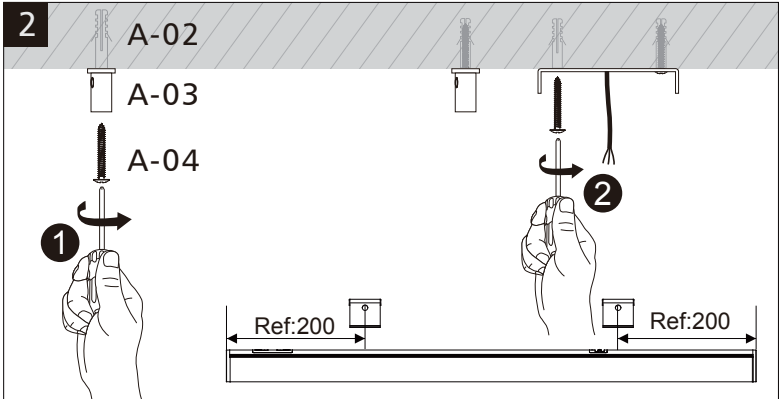
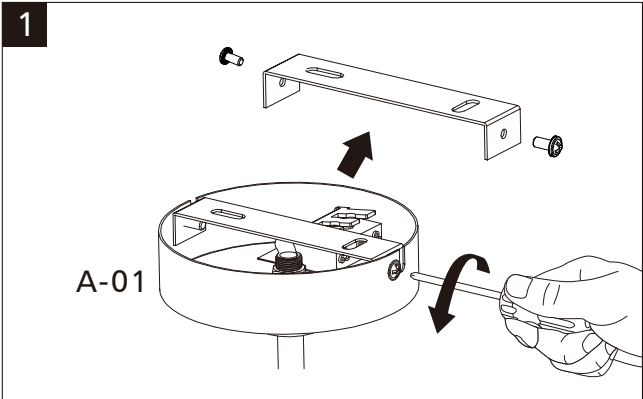


Pendant splicing installation(With round ceiling plate)



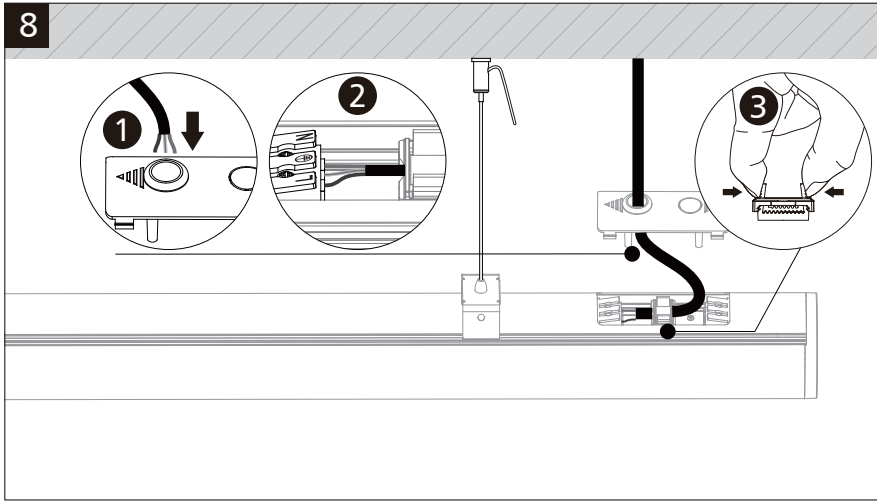
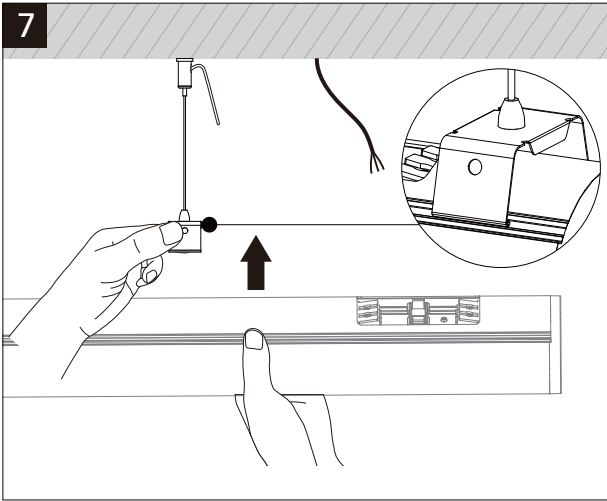
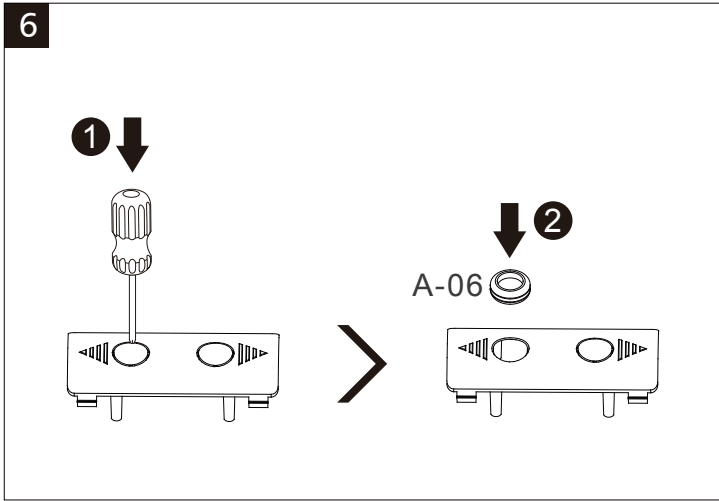
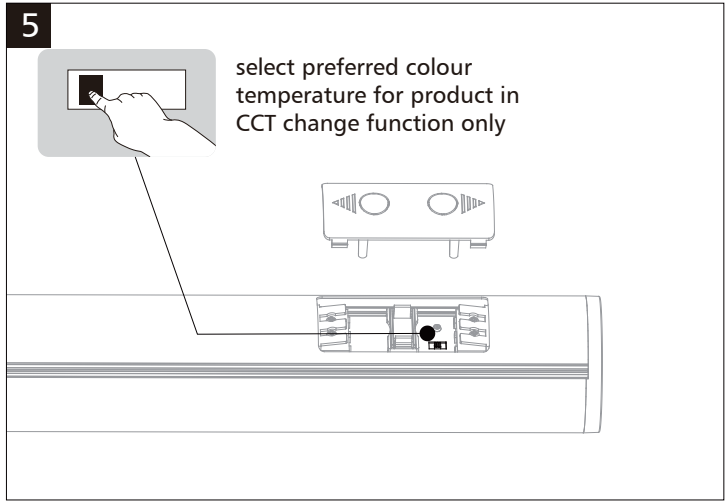
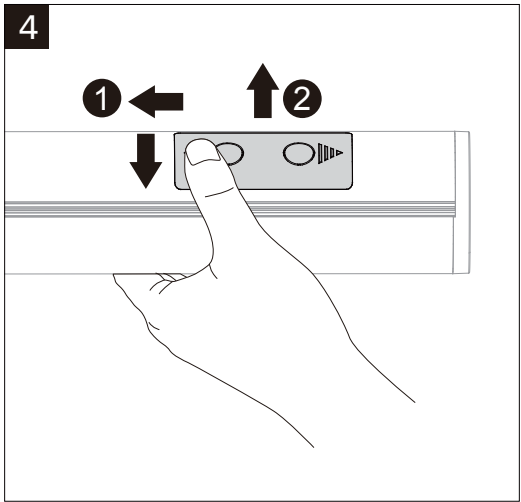
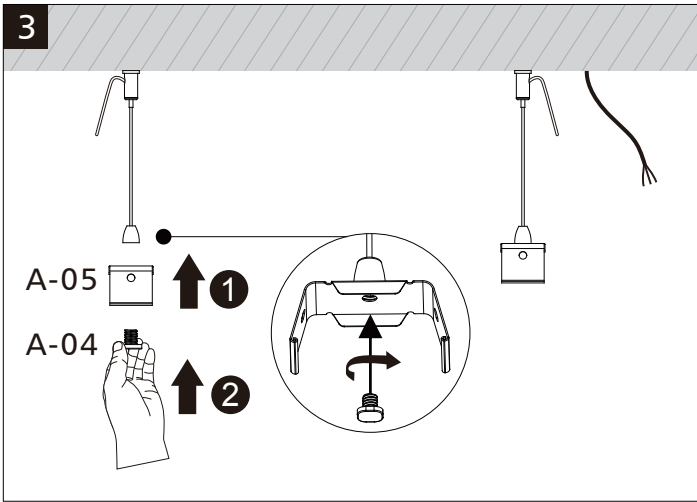
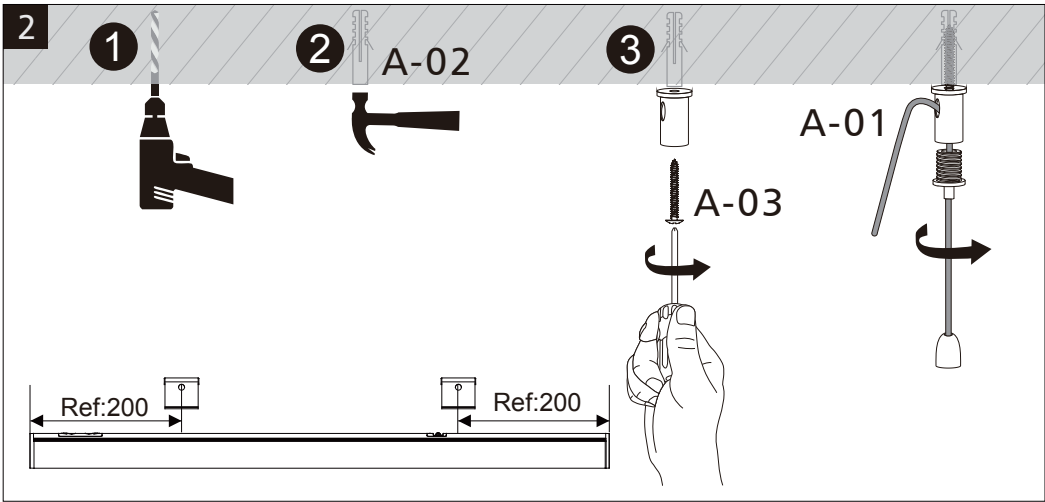
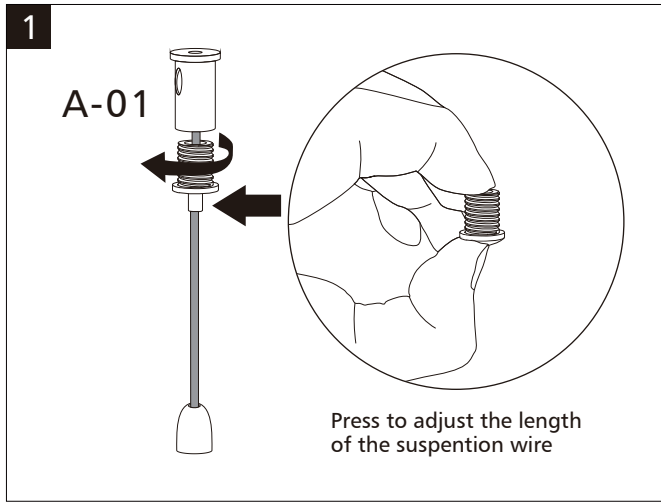
Pendant installation(With round ceiling plate)

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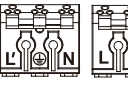
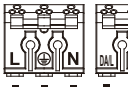
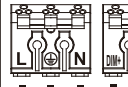


Pendant installation(Without round ceiling plate)

Code	 A-01	A-02 	A-03 	A-04 	A-05 	A-06 	 A-07	A-08 
ACC	x2	x2	x2	x2	x2	x2	x2	x2



9

Standard	Emergency	DALI	0-10V
			
L=Switched ⊕=Earth N=Neutral	L'=Switched L=Unswitched ⊕=Earth N=Neutral	L=Switched N=Neutral ⊕=Earth DA/L DA/N	L=Switched N=Neutral ⊕=Earth DIM+ DIM-

