

LED Batten
Vesta 146 Series



Introduction

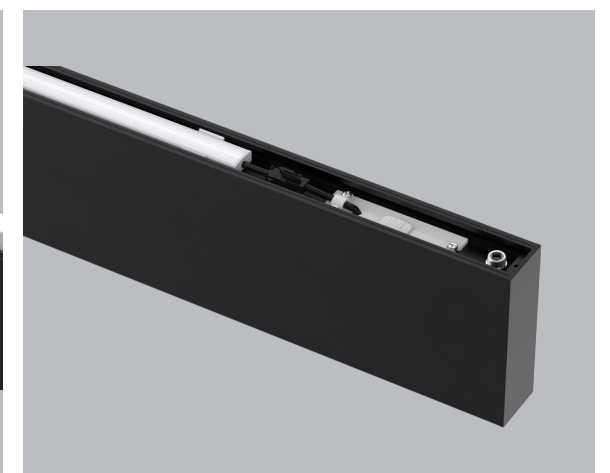
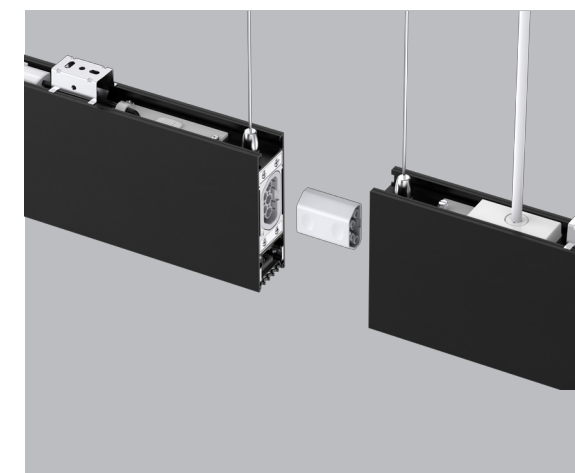
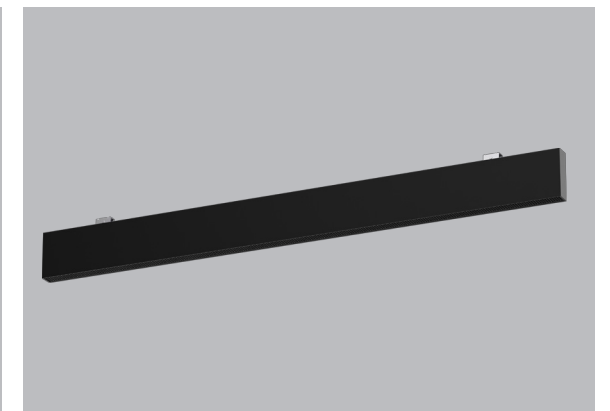
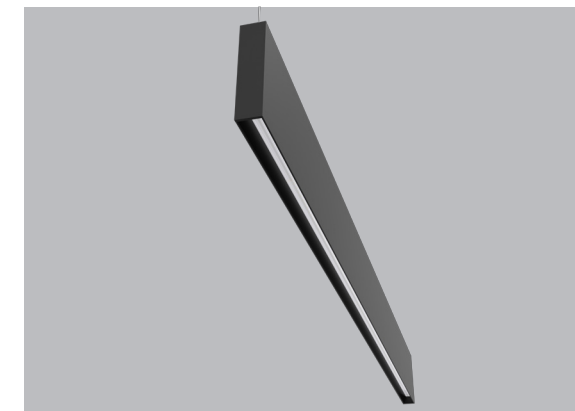
Constructed of durable and attractive aluminium the Vesta 146 O-line linear light adds great appeal to a space, dramatically improving the light levels and creating a modern stylish finish. Vesta 146 has a high lumen light source with different modules and DIY options. It has an up & downlighting distribution design. The pluggable and magnetic seamless splicing design makes installation easy and efficient.

Features

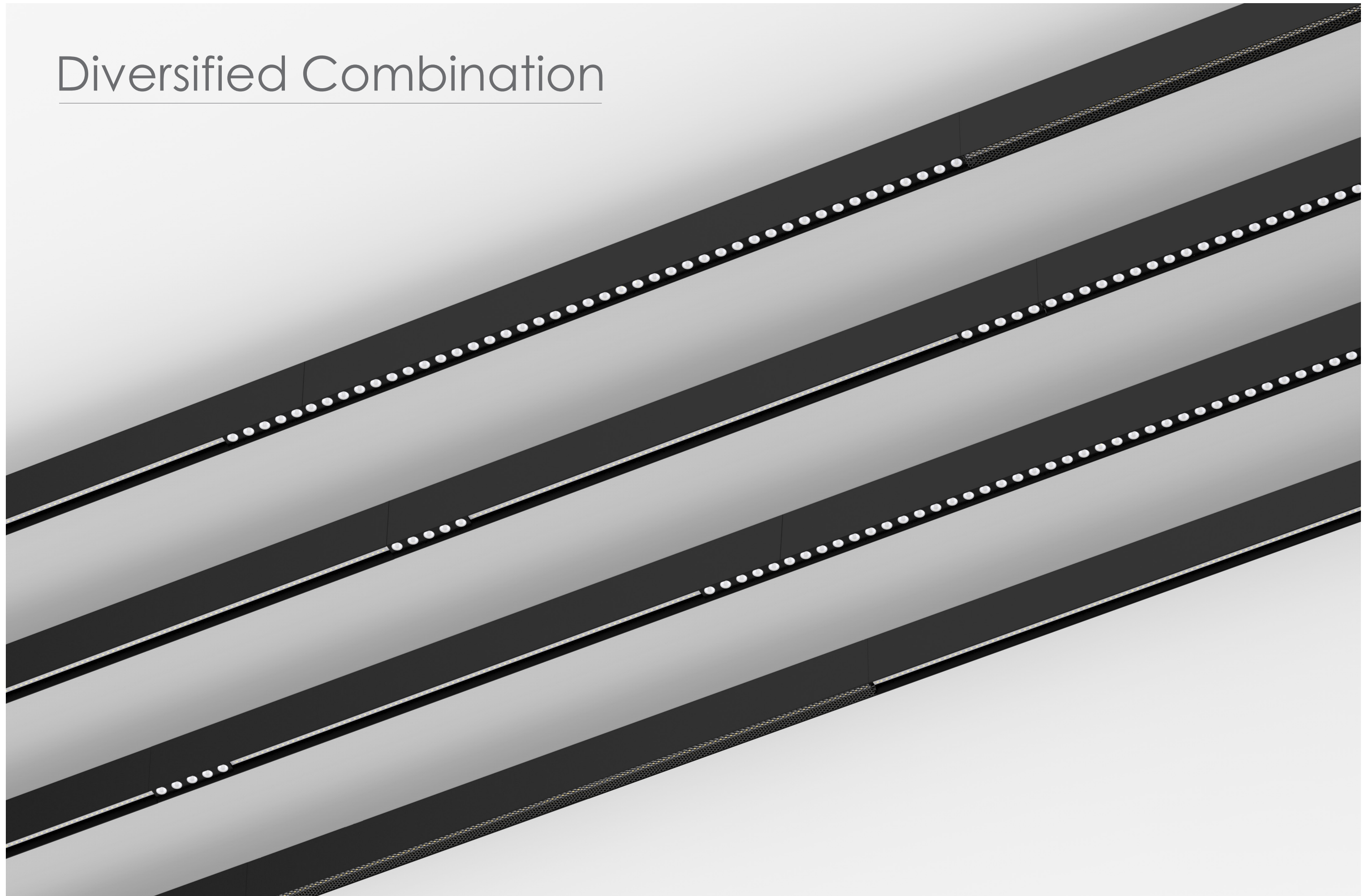
- Up & down lighting design, up 20% & down 80%.
- Pluggable and magnetic seamless splicing design.
- Interchangeable CCT(3000K+4000K) and up lighting control with a slide switch.
- High lumen efficiency, 100lm/W and 120lm/W options
- DIY module design option: direct lighting module, honeycomb module, lens module, direct lighting + lens module.
- Flicker free driver with Non dim and DALI dim option.

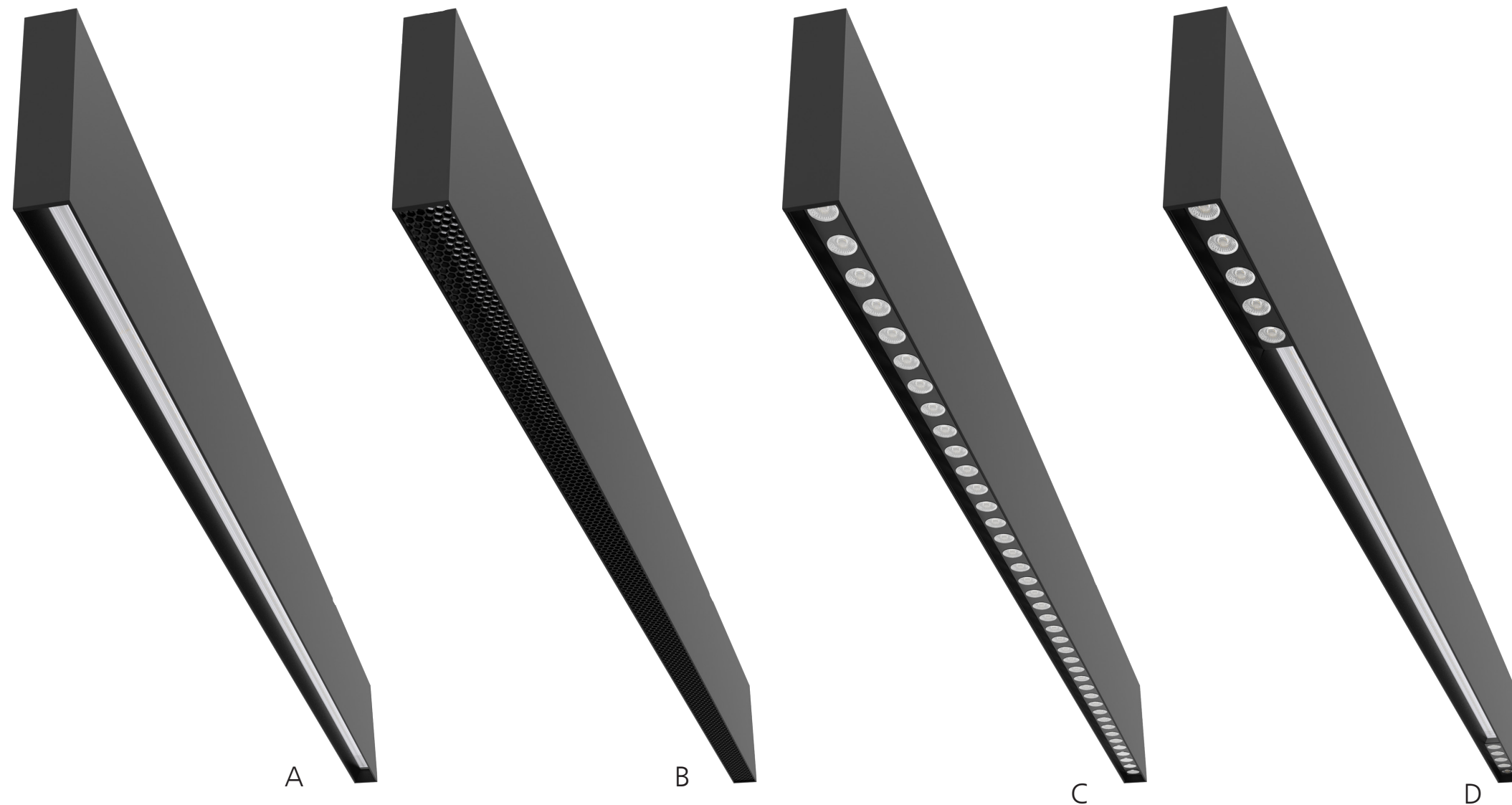
Application Areas

It is designed for general lighting applications in offices, supermarkets, shopping malls, restaurants, hotels, etc.

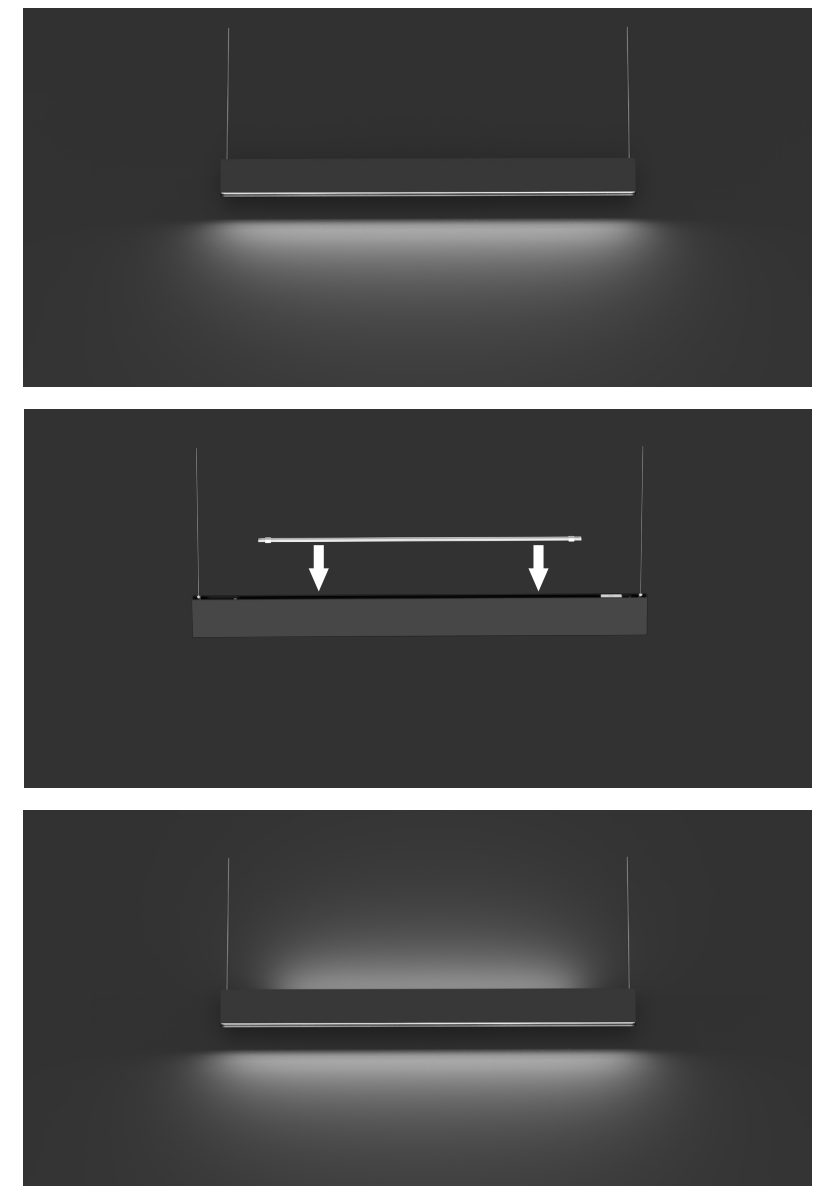


Diversified Combination

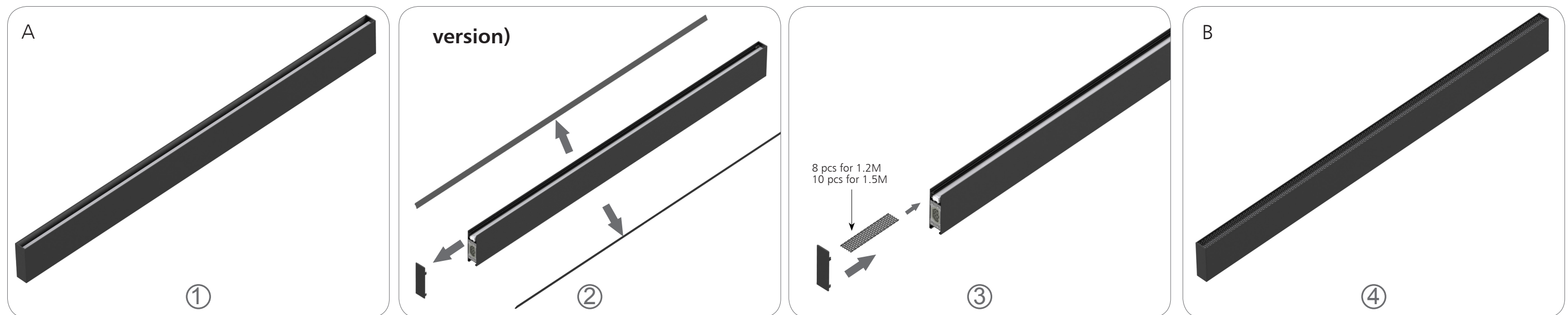


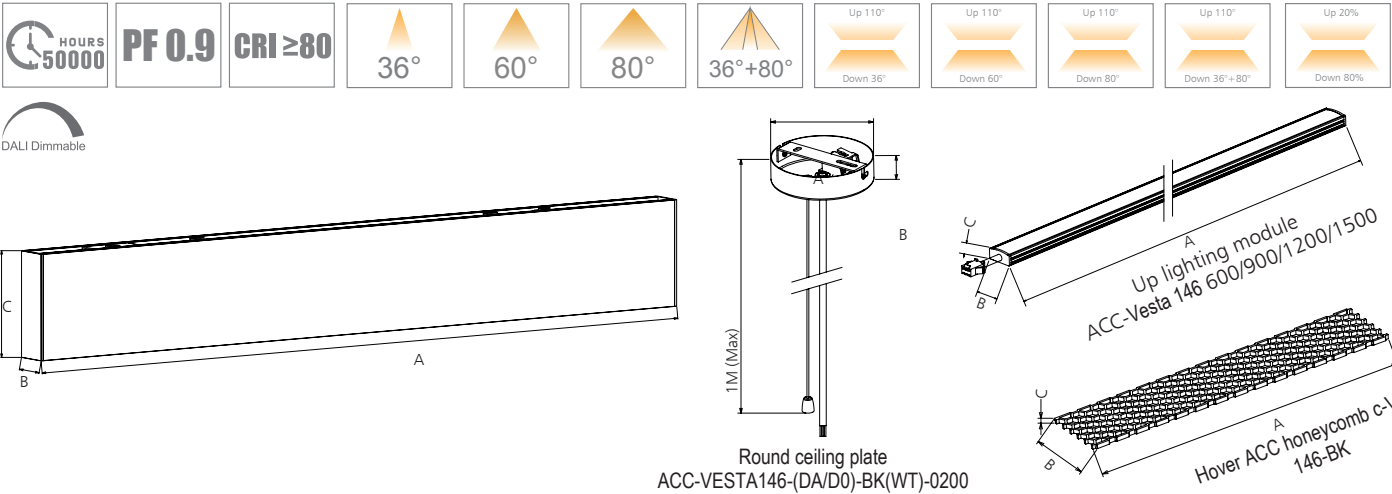


DIY LED module for UP light



DIY (Convert Vesta146A to B, only for splicing





Technical Data Sheet (Vesta 146A)

Code No.				LN060N/15**146A1		LN060N/18**146A2		LN090N/20**146A1		LN090N/25**146A2		LN120N/30**146A1		LN120N/38**146A2		LN150N/40**146A1		LN150N/50**146A2	
Dimension(mm)				605*34*105				905*34*105				1205*34*105				1505*34*105			
Cutout (mm)				-															
Watt(W)				15W (Downward)		15W (Downward) +3W (Upward)		20W (Downward)		20W (Downward) +5W (Upward)		30W (Downward)		30W (Downward) +8W (Upward)		40W (Downward)		40W (Downward) +10W (Upward)	
Rated Input Voltage(V)				AC230V															
Input Voltage(V)				AC220-240V															
LED Module Input				-															
Light Source				SMD															
SDCM				SDCM<4 for whole lamp															
CCT(K)				1-CCT:3000K/4000K/5000K / 2-CCT:3000K+4000K															
CCT Selection DIP Switch				Yes															
Luminous Flux (lm) ±5% (Black color)	Non-DIM	1-CCT	Standard	1150-1650	1400-2000	1650-2200	2150-2700	2550-3300	3300-4150	3500-4350	4350-5400								
			Premium	-				3000-4000	3800-4900	4000-5200	5100-6400								
			Standard	-				2550-3300	3300-4150	3500-4350	4350-5400								
			Premium	-				3000-4000	3800-4900	4000-5200	5100-6400								
	Non-DIM	2-CCT	Standard	1150-1650	1400-2000	1650-2200	2150-2700	2550-3300	3300-4150	3500-4350	4350-5400								
			Premium	-				3000-4000	3800-4900	4000-5200	5100-6400								
			Standard	-				2550-3300	3300-4150	3500-4350	4350-5400								
			Premium	-				3000-4000	3800-4900	4000-5200	5100-6400								
Remark: If with white color, the lumen will increase around 6%																			
CRI				80															
Beam Angle (°)				80°	Up110° Down 80°	80°	Up110° Down 80°	80°	Up110° Down 80°	80°	Up110° Down 80°	80°	Up110° Down 80°						
UGR				-															
LED Driver				Built-in															
Dimming Option				-								DALI							
Sensor				-															
Emergency Kits				-															
Electrical Class				Class I															
Ingress Protection (IP Rating)				IP20															
Impact Resistance (IK Rating)				-															
Product Finishing(Base)				Black RAL9005,White RAL9016															
Materials of Optics				PMMA	PMMA+PC	PMMA	PMMA+PC	PMMA	PMMA+PC	PMMA	PMMA+PC	PMMA	PMMA+PC						
Materials of Housing				Aluminum															
Lifetime (hr)				50,000h															
Glow wire test (°C)				650°C															
Operating Temp. (°C)				-20°C ~45°C															
Storage Temp. (°C)				-20°C ~65°C															
Installation				Surface mount / Pendant /wall mount															

Measurement

Code	Dimension(mm)			Size(mm)	Product Weight (Kg)		Package weight(Kg)		Carton Size (cm)	Qty/ CTN	20GP (pcs)	40HQ (pcs)
	A	B	C		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
Vesta146A-600	605	34	105	605*34*105	1.40	1.61	8.40	10.30	67.5*19.5*29	6	4656	10800
Vesta146A-900	905	34	105	905*34*105	2.10	2.35	12.60	14.97	97.5*19.5*29	6	3024	7128
Vesta146A/B/C/D-1200	1205	34	105	1205*34*105	2.70	3.10	16.20	19.70	127.5*19.5*29	6	2352	5670
Vesta146A/B/C/D-1500	1505	34	105	1505*34*105	3.20	3.59	19.20	22.82	157.5*19.5*29	6	1824	4374
ACC-Vesta146-600	253	17.5	7	253*17.5*7	0.04	-	0.24	1.15	31.5*11.5*13	6	39420	89760
ACC-Vesta146-900	553	17.5	7	553*17.5*7	0.087	-	0.53	1.97	61.5*11.5*13	6	19764	45360
ACC-Vesta146-1200	853	17.5	7	853*17.5*7	0.135	-	0.81	2.78	91.5*11.5*13	6	13392	30480
ACC-Vesta146-1500	1153	17.5	7	1153*17.5*7	0.18	-	1.1	3.59	121.5*11.5*13	6	9288	22080
ACC-Vesta146-BK	149.8	31.5	2	149.8*31.5*2	0.004	-	2.96	6.20	32.5*22.5*19	800	1728000	3837600
ACC-Vesta146-(DA/D0)-BK(WT)-0200	Ø100	25	-	Ø100*25	0.28	0.31	1.12	1.35	26.5*13.5*14	4	23360	54432

Technical Data Sheet (Vesta146B)

Code No.				LN120N/30**146B1		LN120N/38**146B2		LN150N/40**146B1		LN150N/50**146B2	
Dimension(mm)								1505*34*105			
Cutout (mm)				-							
Watt(W)				30W(Downward)		30W(Downward) +8W(Upward)		40W(Downward)		40W(Downward) +10W(Upward)	
Rated Input Voltage(V)				AC230V							
Input Voltage(V)				AC220-240V							
LED Module Input				-							
Light Source				SMD							
SDCM				SDCM<4 for whole lamp							
CCT(K)				1-CCT:3000K/4000K/5000K / 2-CCT:3000K+4000K							
CCT Selection DIP Switch				Yes							
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	Standard	1150-1500	1700-2500	1550-2000	2300-3250				
			Premium	1350-1800	2200-2850	1850-2400	3000-3700				
	DIM	1-CCT	Standard	1150-1500	1700-2500	1550-2000	2300-3250				
			Premium	1350-1800	2200-2850	1850-2400	3000-3700				
	Non-DIM	2-CCT	Standard	1150-1500	1700-2500	1550-2000	2300-3250				
			Premium	1350-1800	2200-2850	1850-2400	3000-3700				
	DIM	2-CCT	Standard	1150-1500	1700-2500	1550-2000	2300-3250				
			Premium	1350-1800	2200-2850	1850-2400	3000-3700				
CRI				80							
Beam Angle (°)				60°	Up110° / Down 60°		60°	Up110° / Down 60°			
UGR				UGR<22							
LED Driver				Built-in							
Dimming Option				DALI							
Sensor				-							
Emergency Kits				-							
Electrical Class				Class I							
Ingress Protection (IP Rating)				IP20							
Impact Resistance (IK Rating)				-							
Product Finishing(Base)				Black RAL9005,White RAL9016							
Materials of Optics				PMMA	PMMA+PC		PMMA	PMMA+PC			
Materials of Housing				Aluminum							
Lifetime (hr)				50,000h							
Glow wire test (°C)				650°C							
Operating Temp. (°C)				-20°C ~45°C							
Storage Temp. (°C)				-20°C ~65°C							
Installation				Surface mount / Pendant /wall mount							

Technical Data Sheet (Vesta146C)

Code No.				LN120N/30**146C1	LN120N/38**146C2	LN150N/40**146C1	LN150N/50**146C2
Dimension(mm)				1205*34*105		1505*34*105	
Cutout (mm)				-			
Watt(W)				30W(Downward)	30W(Downward) +8W(Upward)	40W(Downward)	40W(Downward) +10W(Upward)
Rated Input Voltage(V)				AC230V			
Input Voltage(V)				AC220-240V			
LED Module Input				-			
Light Source				SMD			
SDCM				SDCM<4 for whole lamp			
CCT(K)				1-CCT:3000K/4000K/5000K			
CCT Selection DIP Switch				NO			
Luminous Flux (lm) ±5%	Non-DIM	1-CCT	Standard	2700-3300	3450-4150	3650-4350	4600-5400
			Premium	3100-4000	4000-4900	4200-5200	5300-6400
	DIM		Standard	2700-3300	3450-4150	3650-4350	4600-5400
			Premium	3100-4000	4000-4900	4200-5200	5300-6400
CRI				80			
Beam Angle (°)				36°	Up110° / Down 36°	36°	Up110° / Down 36°
UGR				UGR<19			
LED Driver				Built-in			
Dimming Option				DALI			
Sensor				-			
Emergency Kits				-			
Electrical Class				Class I			
Ingress Protection (IP Rating)				IP20			
Impact Resistance (IK Rating)				-			
Product Finishing(Base)				Black RAL9005,White RAL9016			
Materials of Optics				PC			
Materials of Housing				Aluminum			
Lifetime (hr)				50,000h			
Glow wire test (°C)				750°C			
Operating Temp. (°C)				-20°C ~45°C			
Storage Temp. (°C)				-20°C ~65°C			
Installation				Surface mount / Pendant /wall mount			

Technical Data Sheet (Vesta 146D)

Code No.				LN120N/30**146D1	LN120N/38**146D2	LN150N/40**146D1	LN150N/50**146D2
Dimension(mm)				1205*34*105		1505*34*105	
Cutout (mm)				-			
Watt(W)				30W(Downward)	30W(Downward) +8W(Upward)	40W(Downward)	40W(Downward) +10W(Upward)
Rated Input Voltage(V)				AC230V			
Input Voltage(V)				AC220-240V			
LED Module Input				-			
Light Source				SMD			
SDCM				SDCM<4 for whole lamp			
CCT(K)				1-CCT:3000K/4000K/5000K			
CCT Selection DIP Switch				NO			
Luminous Flux (lm) ±5% (Black color)	Non-DIM	1-CCT	Standard	2550-3300	3300-4150	3500-4350	4350-5400
			Premium	3000-4000	3800-4900	4000-5200	5100-6400
	DIM		Standard	2550-3300	3300-4150	3500-4350	4350-5400
			Premium	3000-4000	3800-4900	4000-5200	5100-6400
Remark: If with white color, the lumen will increase around 3%							
CRI				80			
Beam Angle (°)				36°+80°	Up110° Down 36°+80°	36°+80°	Up110° Down 36°+80°
UGR				-			
LED Driver				Built-in			
Dimming Option				DALI			
Sensor				-			
Emergency Kits				-			
Electrical Class				Class I			
Ingress Protection (IP Rating)				IP20			
Impact Resistance (IK Rating)				-			
Product Finishing(Base)				Black RAL9005,White RAL9016			
Materials of Optics				PMMA+PC			
Materials of Housing				Aluminum			
Lifetime (hr)				50,000h			
Glow wire test (°C)				650°C			
Operating Temp. (°C)				-20°C ~45°C			
Storage Temp. (°C)				-20°C ~65°C			
Installation				Surface mount / Pendant /wall mount			

Driver Datasheet (Non-dimmable)

Total load wattage		15W	18W	20W	25W	30W	38W	40W	50W
Output	Output Voltage range	DC28-42V							
	Rated output current	435mA		580mA		900mA		1200mA	
	Line Regulation	± 5%							
	Setup, Rise Time	<0.5S @AC230V							
	Flickering Index	<0.5							
Input	Input Voltage	AC180-264V							
	Rated Input Voltage(V)	AC200-240V							
	Frequency	50/60Hz							
	Input Current	<0.09A	<0.11A	<0.12A	<0.16A	<0.19A	<0.23A	<0.25A	<0.30A
	Rated Input Current	<0.08A	<0.10A	<0.11A	<0.14A	<0.17A	<0.21A	<0.23A	<0.27A
	Power Factor	0.9							
	THD	<20% @230V							
	Efficiency	85%		86%					
	No load wattage	< 0.5W @ 230VAC							
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(P<25W; L-N:500V, L/N-PE:1KV)			IEC/EN61000-4-5 (P≥25w 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 (DALI Dimmable)

Total load wattage		30W	38W	40W	50W
Output	Output Voltage range	DC28-40V			
	Rated output current	900mA		1150mA	
	Line Regulation	±5%			
	Setup, Rise Time	<0.1S @AC230V			
	Flickering Index	<0.5			
Input	Input Voltage	AC 180-264V			
	Rated Input Voltage(V)	AC 200-240V			
	Frequency	50/60Hz			
	Input Current	<0.19A	<0.24A	<0.25A	<0.31A
	Rated Input Current	<0.17A	<0.22A	<0.23A	<0.28A
	Power Factor	0.9			
	THD	< 20% @ 230VAC			
	Efficiency	87%		88%	
	No load wattage	<0.5W @ 230VAC			
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 (P≥25w 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.



Turn Off power supply before starting any installation. Read instructions & check you have all the tools & accessories to complete the installation correctly.

Surface mount installation

Spec	Hole spacing
600mm	306mm
900mm	606mm
1200mm	906mm
1500mm	1206mm

Poke

L — Switched
⊕ — Earth
N — Neutral

Select a needed CCT before installation, including 4 options, 3000K or 4000K down lighting only, 3000K or 4000K up&down lighting

Wire diameter: 0.5-2.5mm² Wire stripping length: 8-10mm

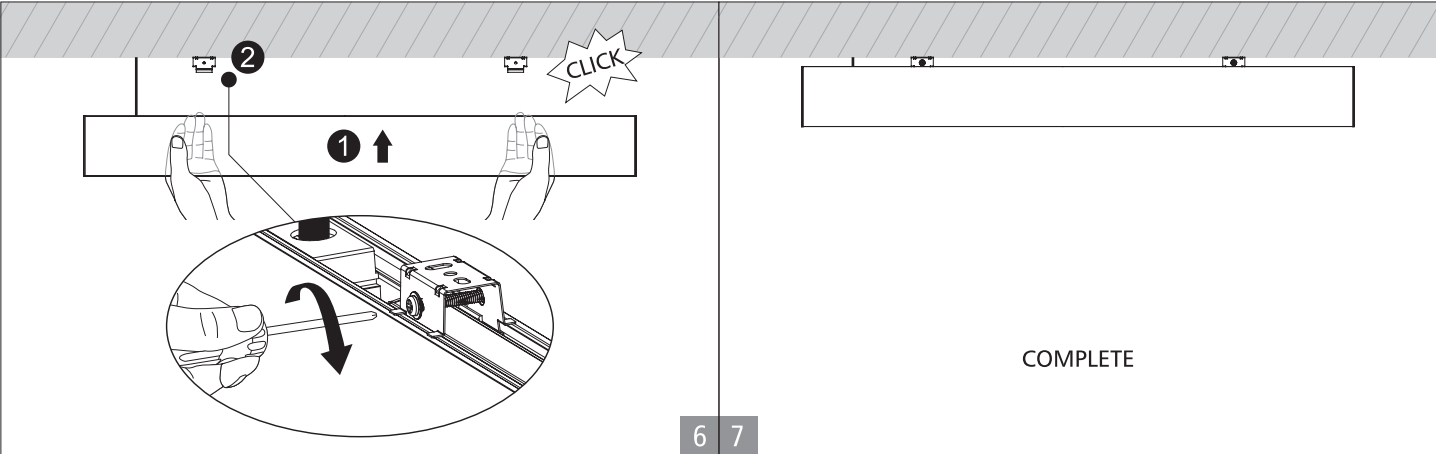
Standard

L=Switched
⊕=Earth
N=Neutral

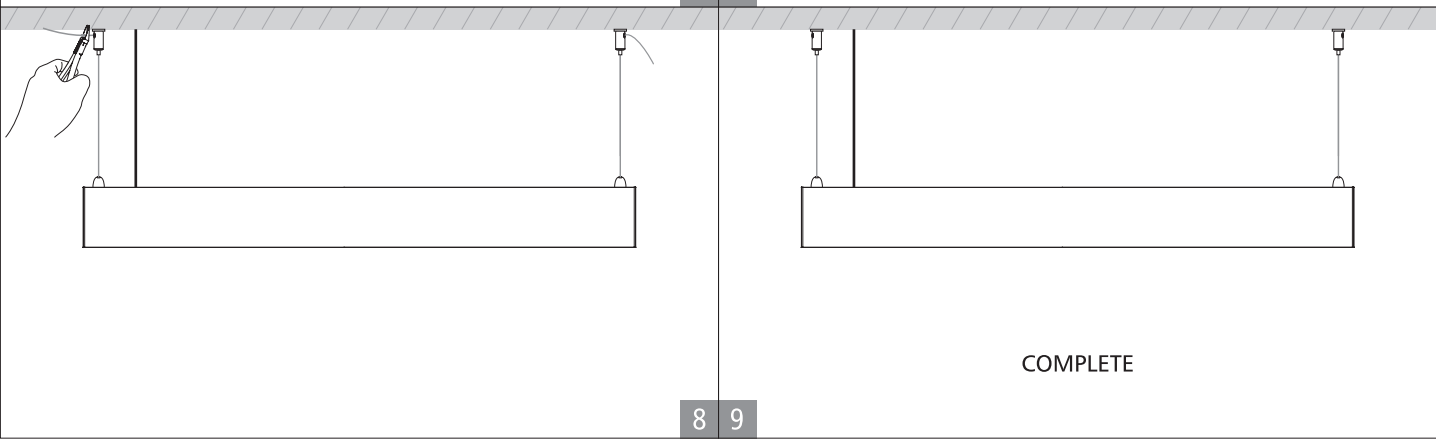
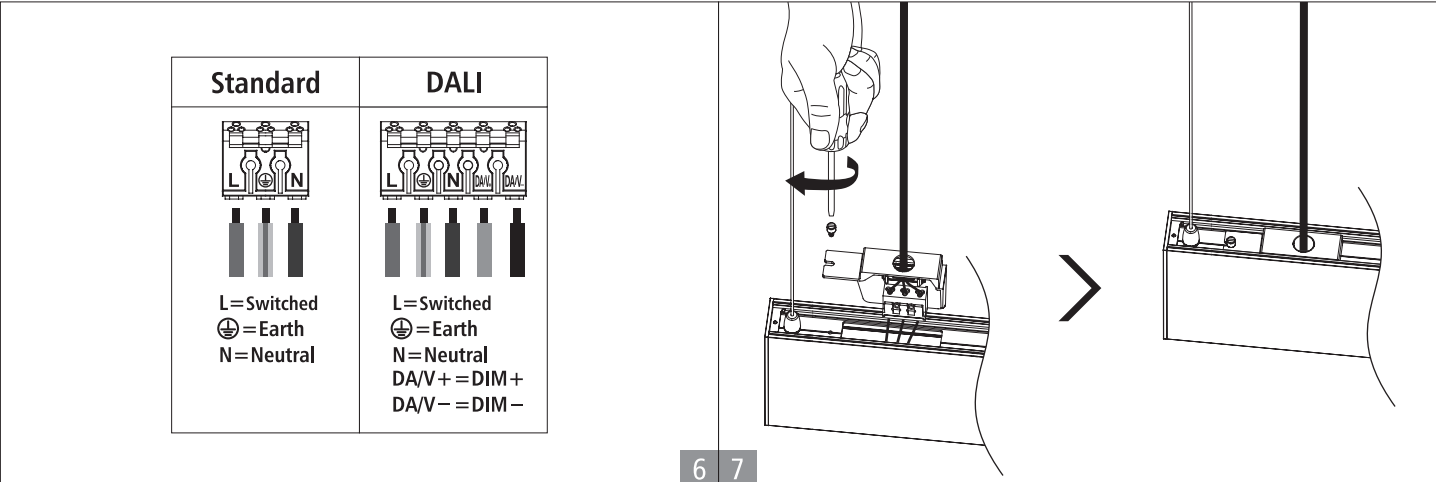
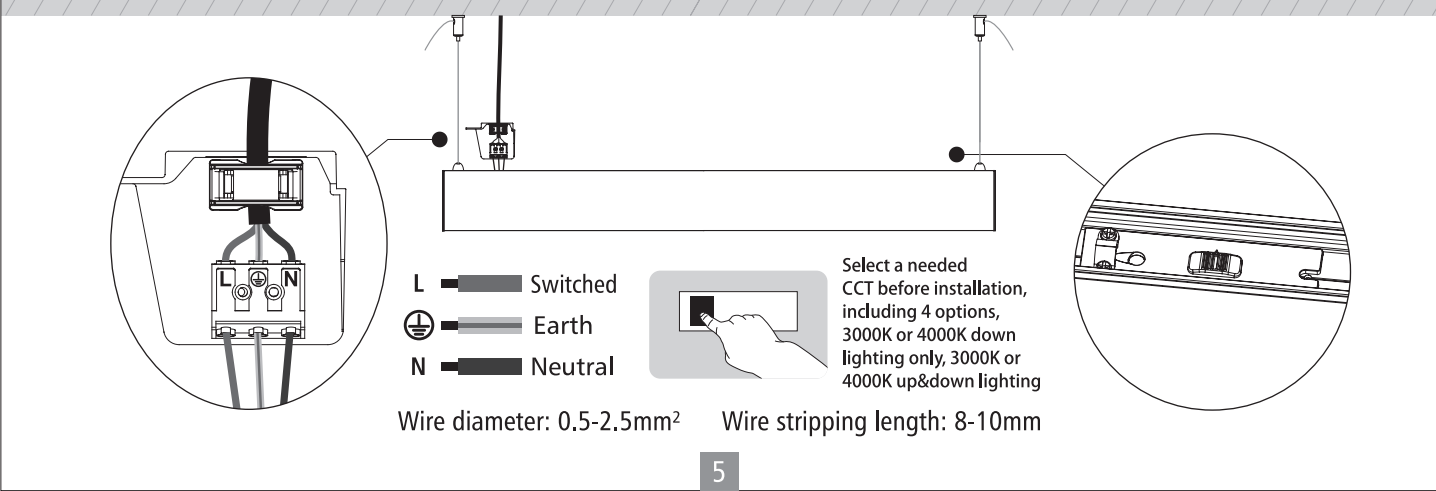
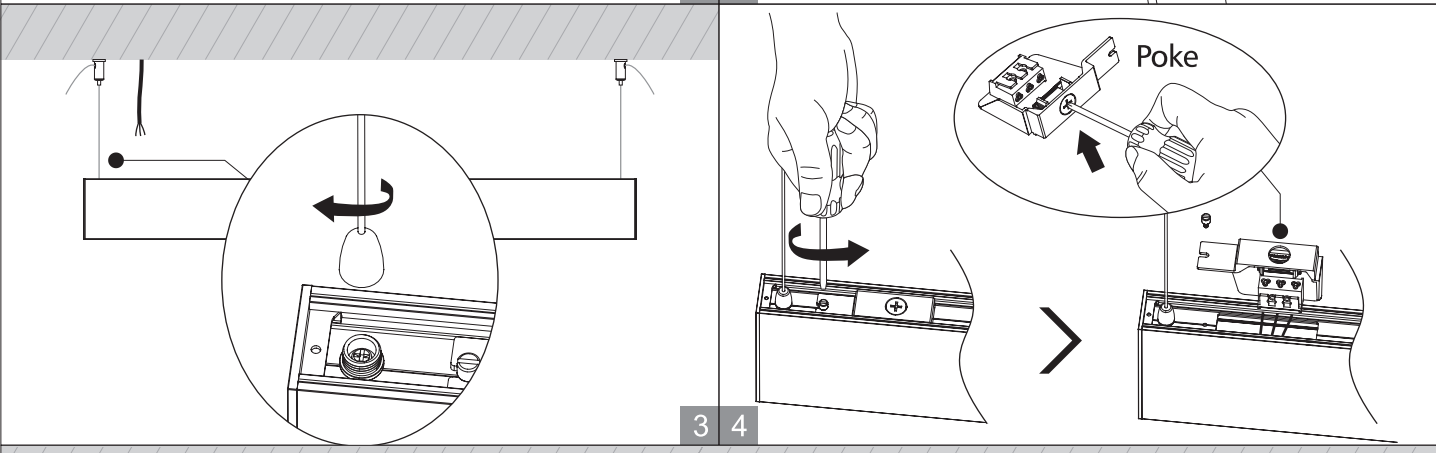
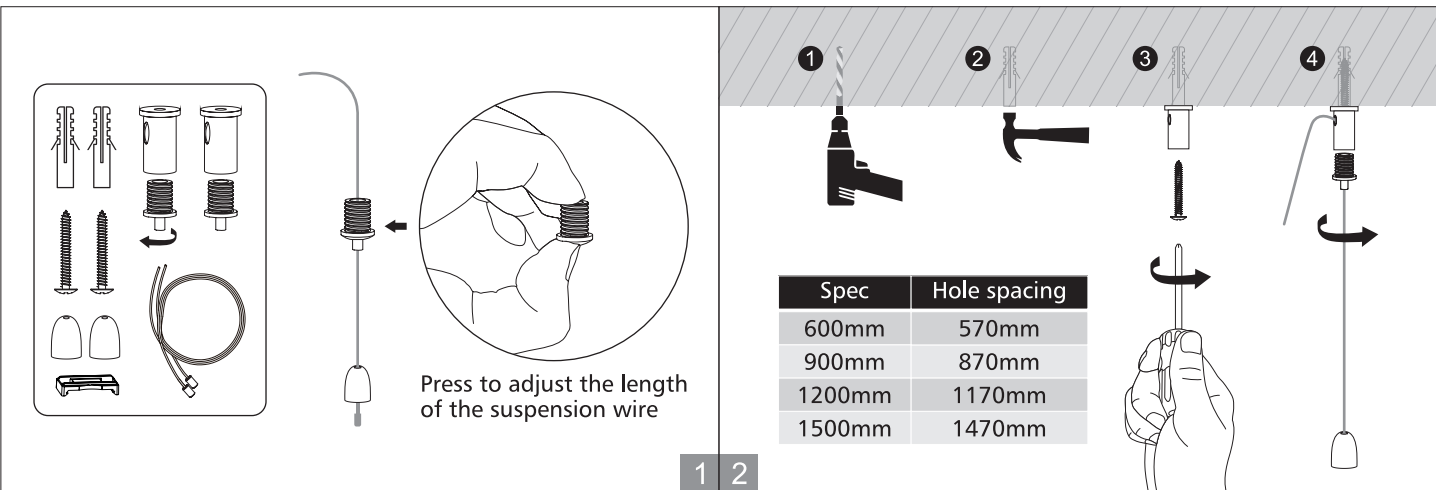
DALI

L=Switched
⊕=Earth
N=Neutral
DA/V+=DIM+
DA/V-=DIM-

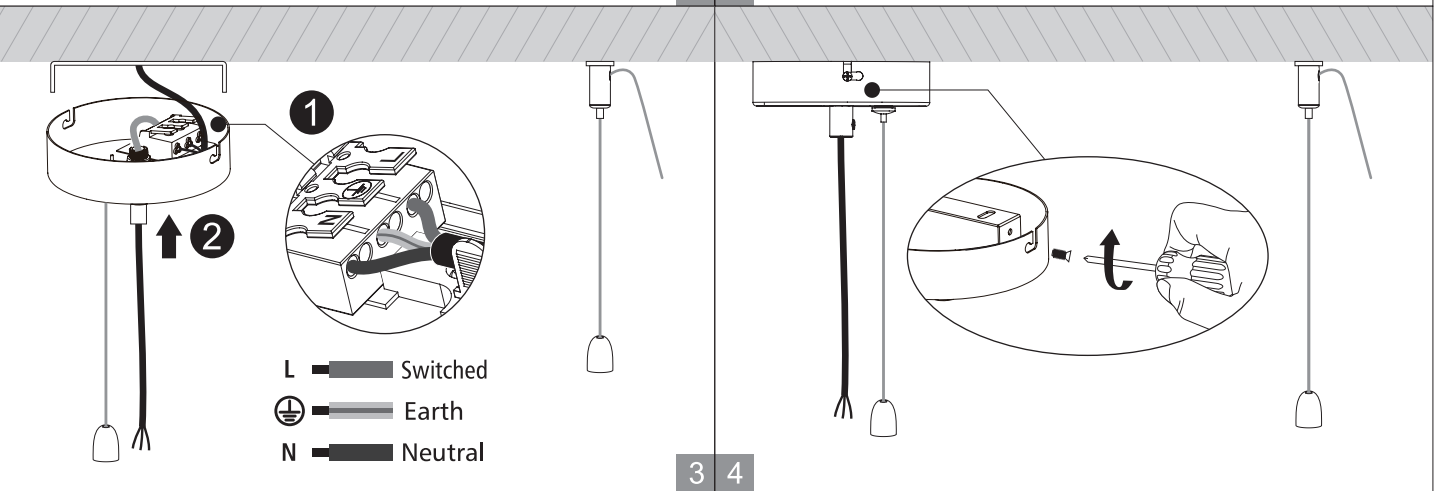
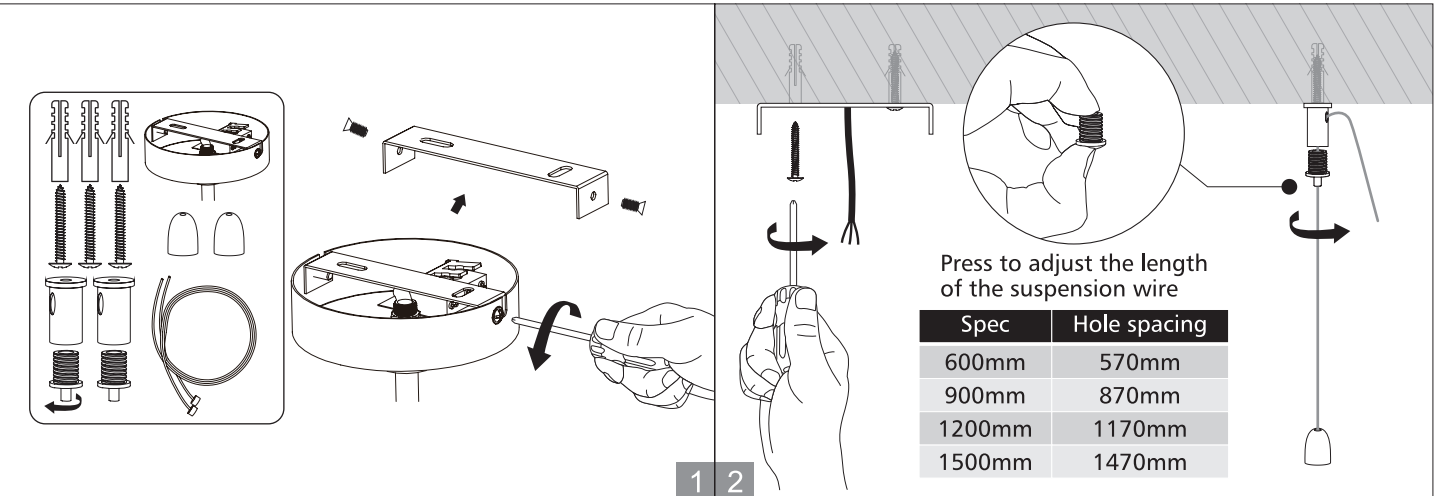
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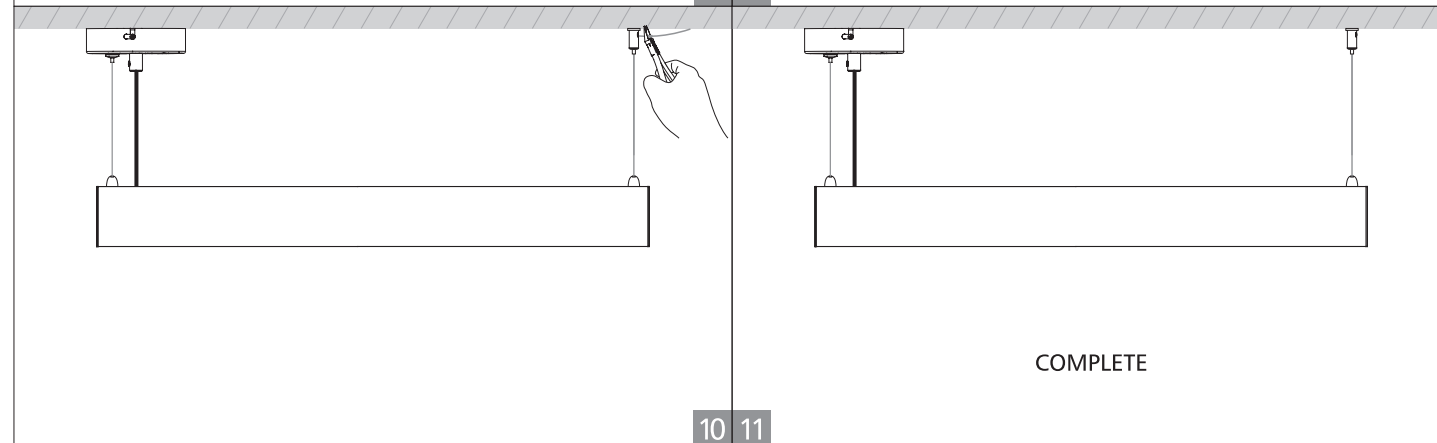
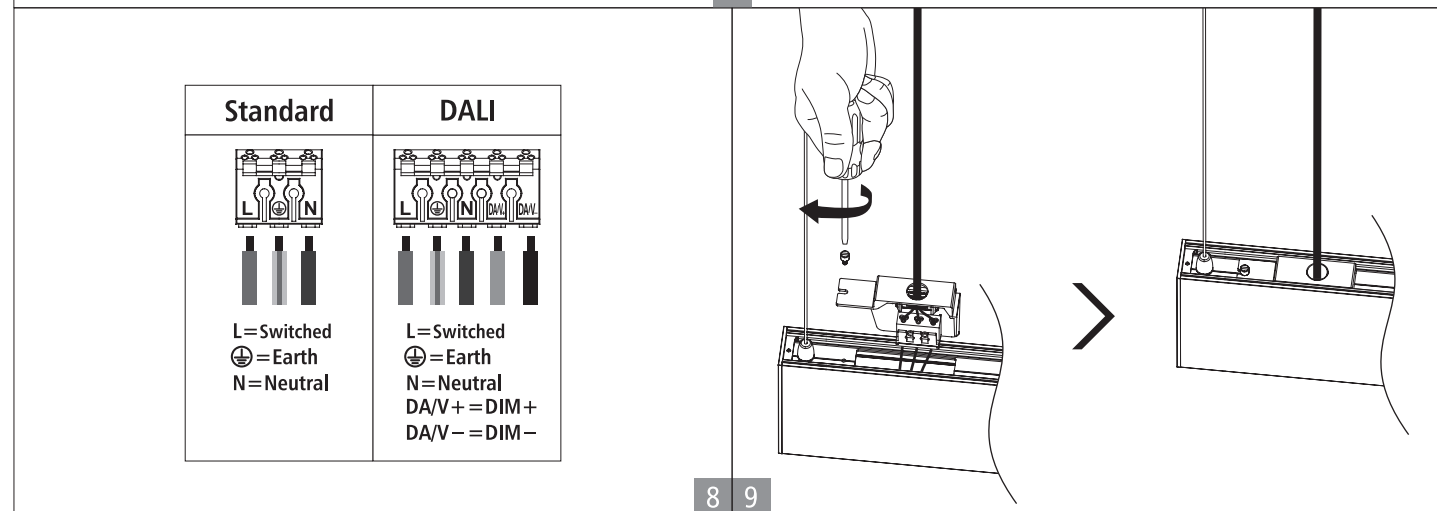
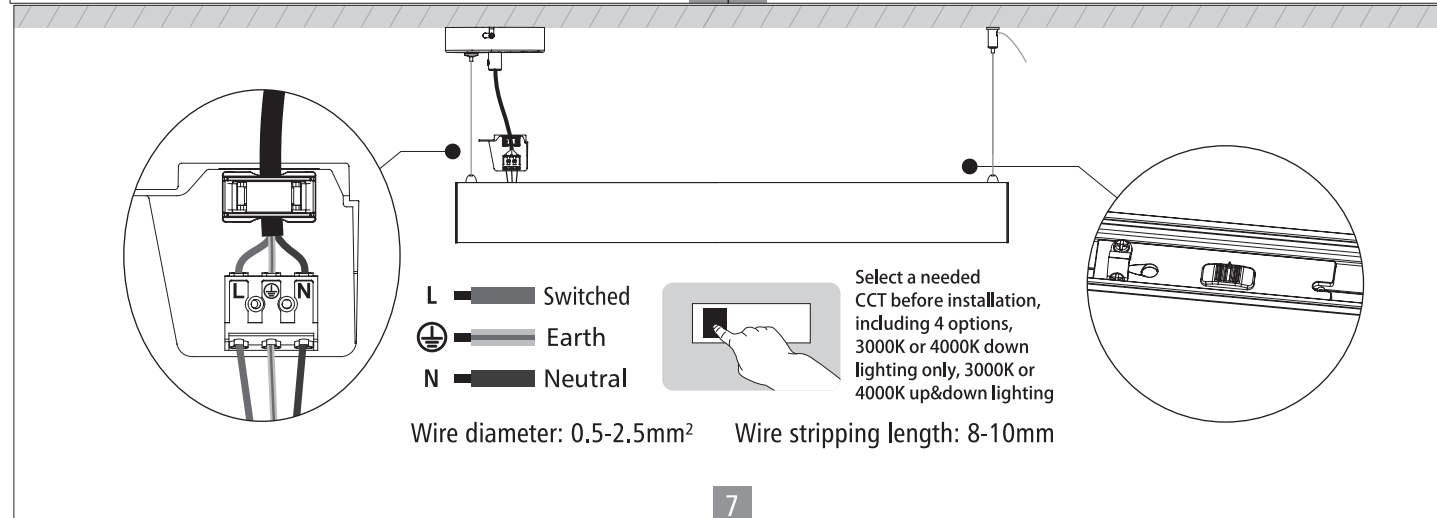
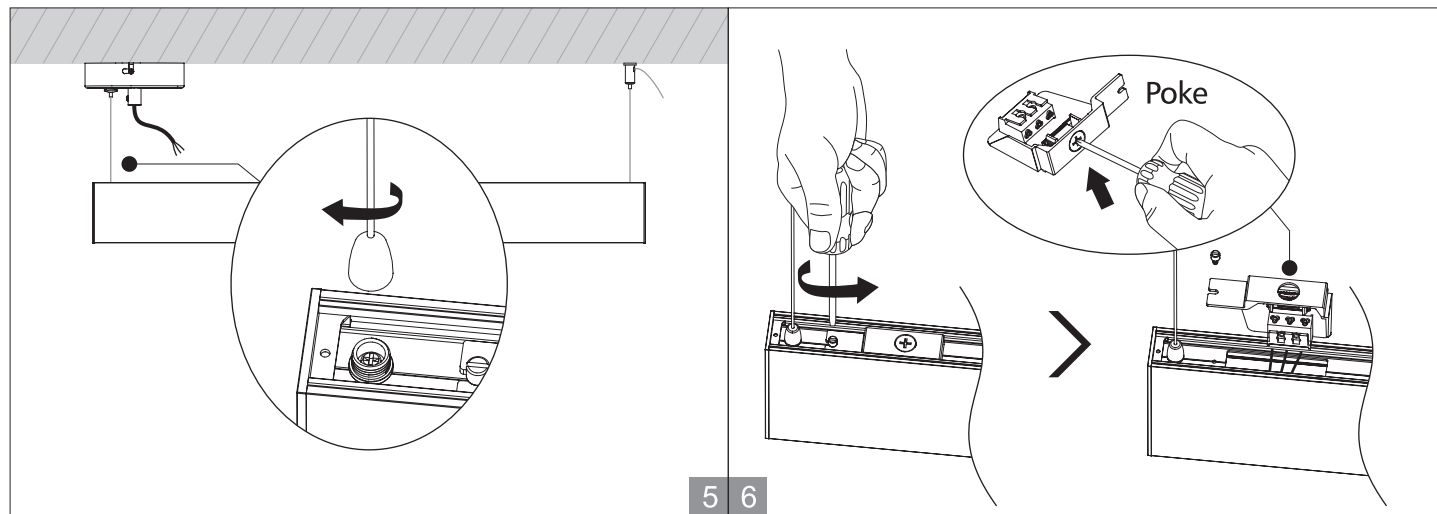


Suspended installation (Without round ceiling plate)

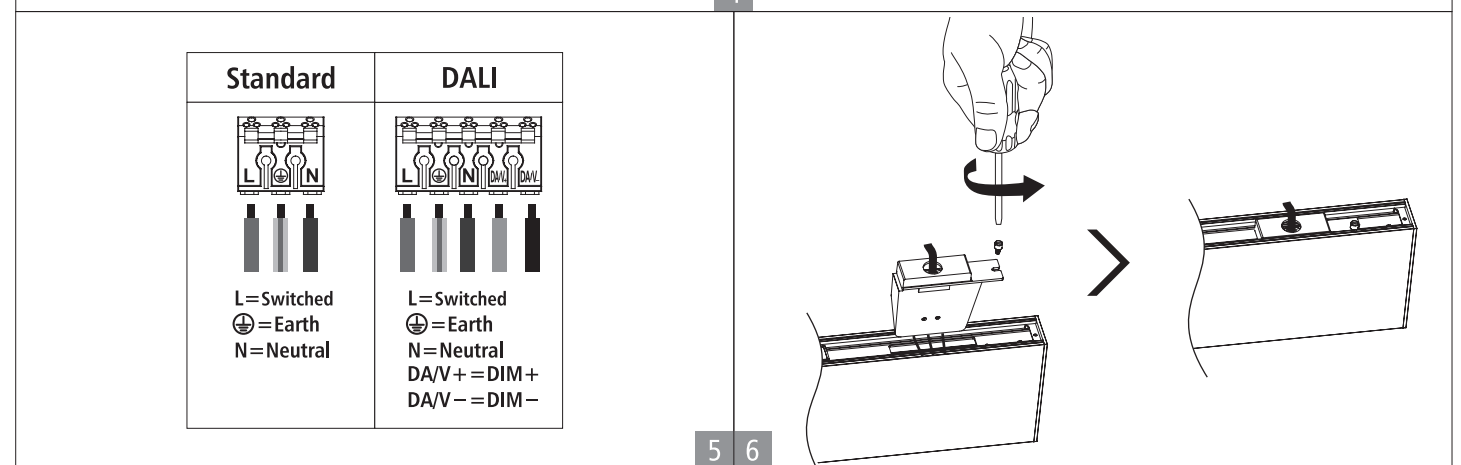
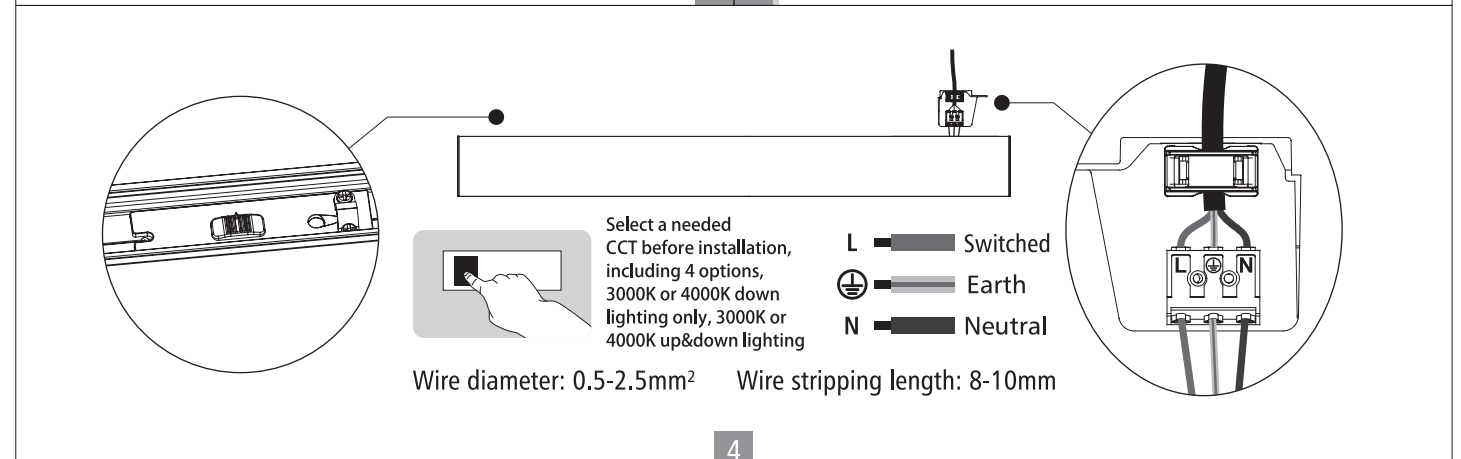
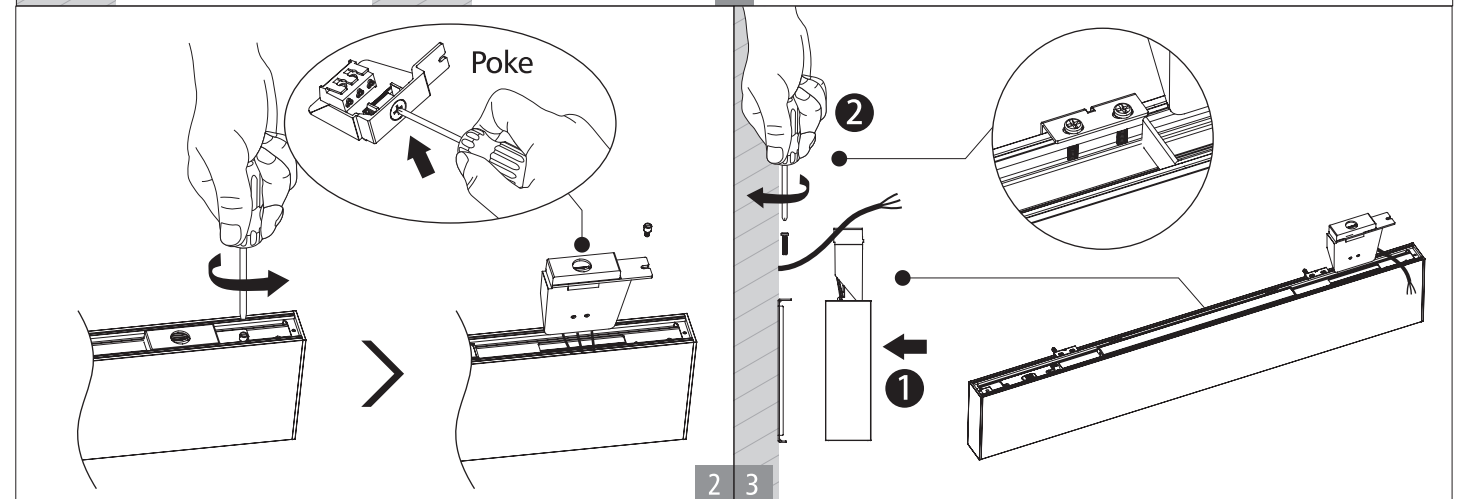
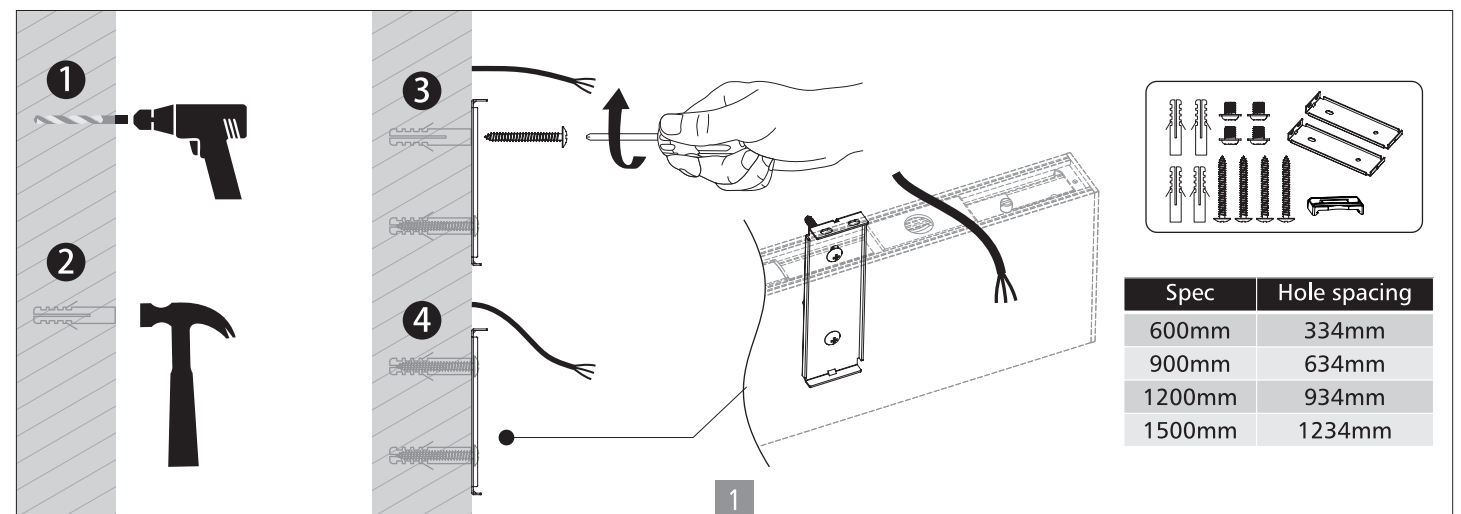


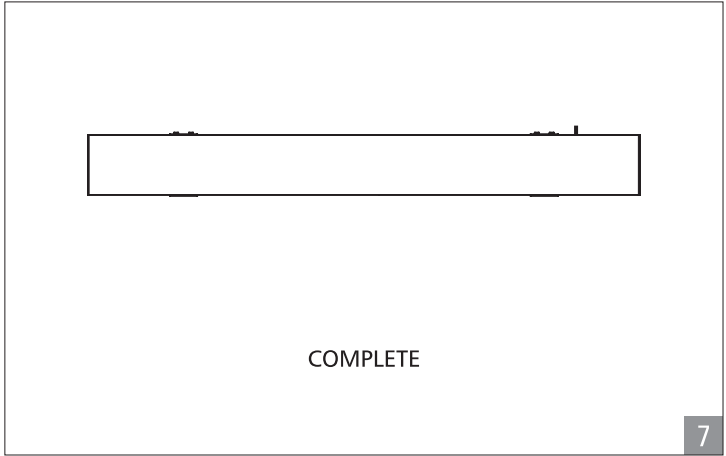
Suspended installation (With round ceiling plate)



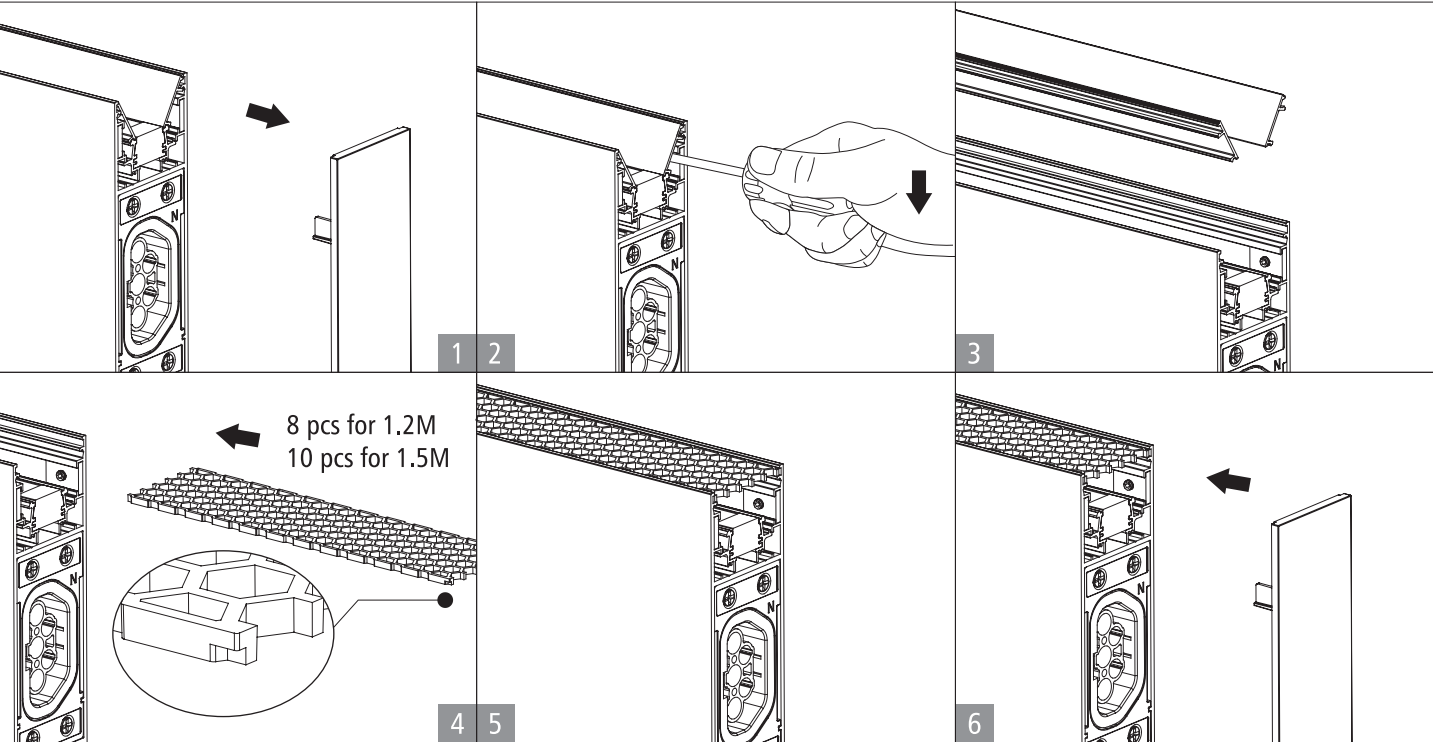


Wall mounted installation

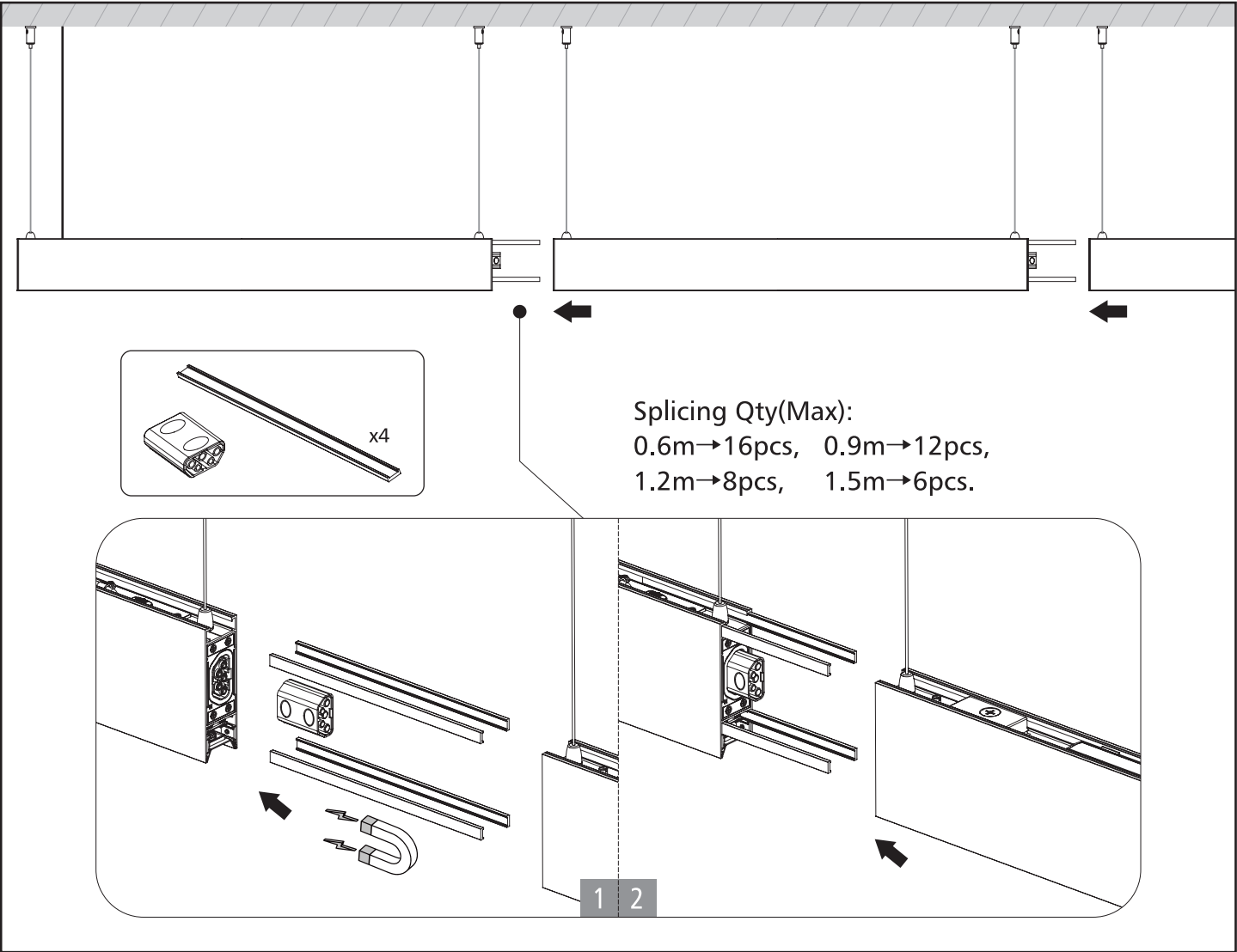




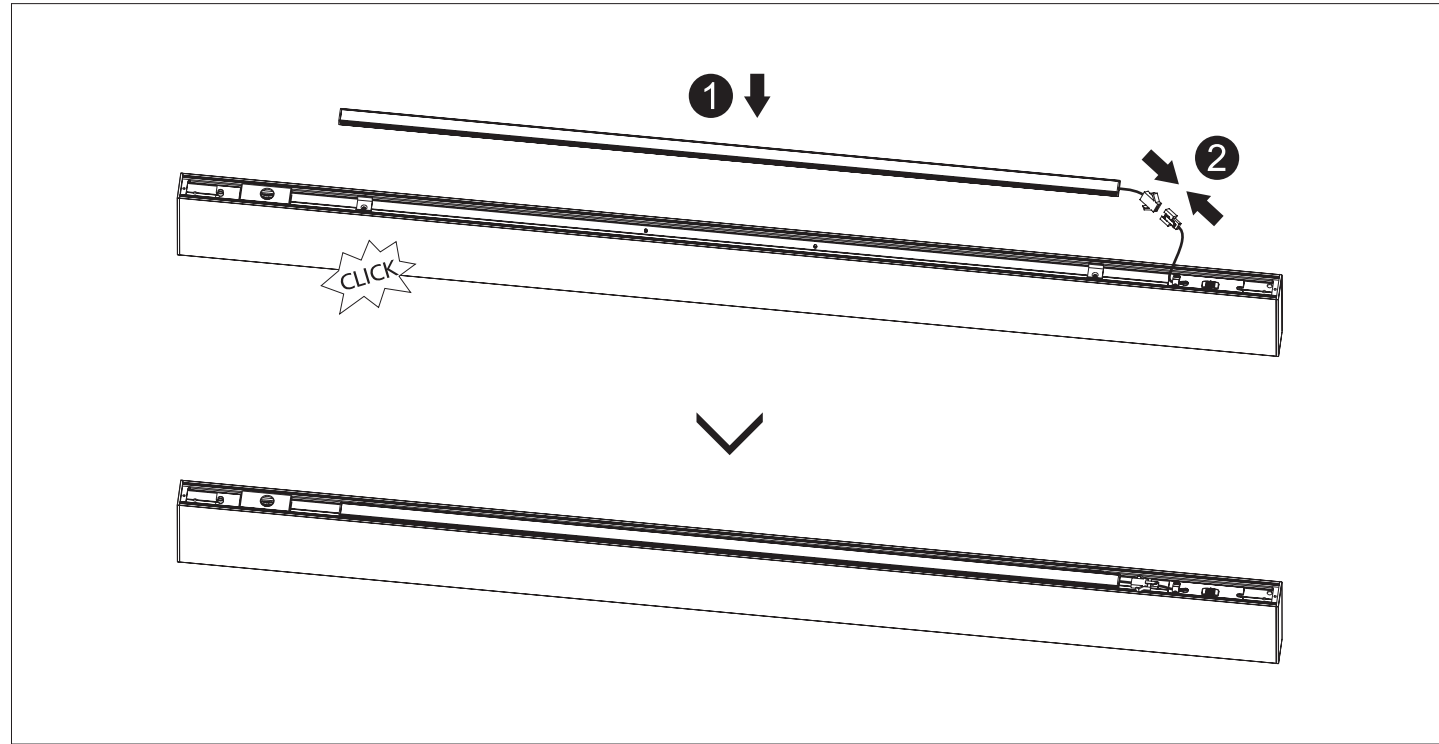
Replace the honeycomb cover



Splicing installation



Up & down lighting distribution by adding upward LED module





The Professional choice in LED Lighting