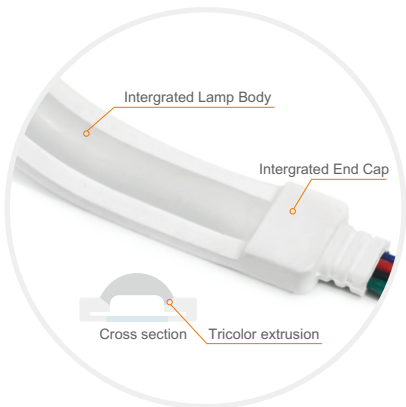
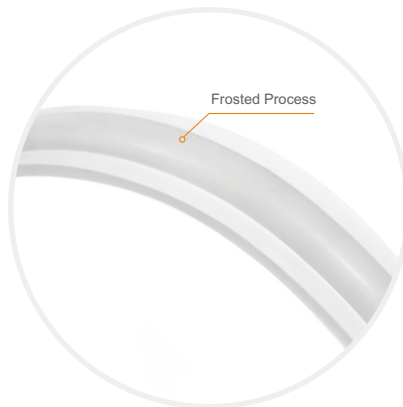




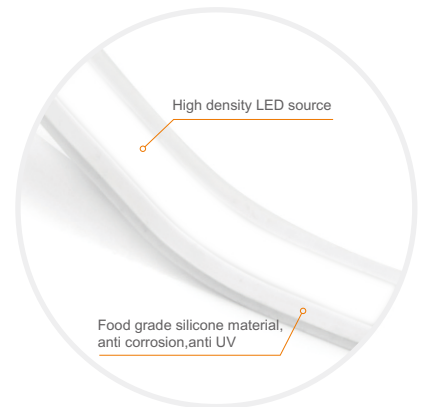
COB LED STRIP PLUS



More extreme vision

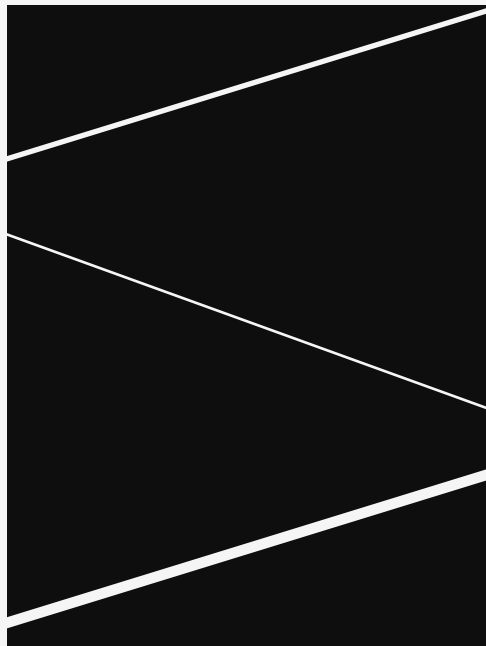


More perfect touch



More stable performance

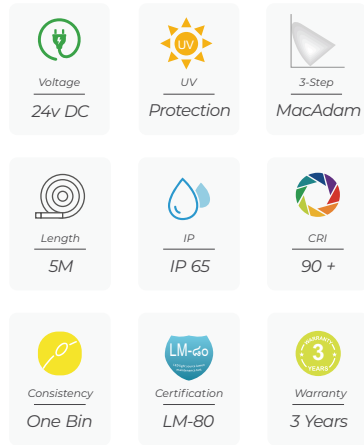
Specialized
LED strip
Manufacturer





Model : i-COB-SP14MM

Parameter Table For 14MM



- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

Single-Color

CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	Voltage
2400	>90	<5	5	449	89.8	25	5	DC24V
			10	845	84.5			
			15	1234	82.3			
2700	>90	<5	5	445	89.1	25	5	DC24V
			10	853	85.3			
			15	1272	84.8			
3000	>90	<5	5	444	88.7	25	5	DC24V
			10	858	85.8			
			15	1271	84.7			
3500	>90	<5	5	489	97.7	25	5	DC24V
			10	950	95			
			15	1399	93.2			
4000	>90	<5	5	449	89.9	25	5	DC24V
			10	862	86.2			
			15	1273	84.9			
5000	>90	<5	5	453	90.6	25	5	DC24V
			10	869	86.9			
			15	1283	85.5			
6500	>90	<5	5	458	91.6	25	5	DC24V
			10	879	87.9			
			15	1298	86.5			
R	--	--	5	142	28.4	25	5	DC24V
			10	282	28.2			
			15	420	28			
G	--	--	5	375	75	25	5	DC24V
			10	674	67.4			
			15	882	58.8			
B	--	--	5	70	14	25	5	DC24V
			10	123	12.3			
			15	179	11.9			
Yellow	--	--	5	116	23.2	25	5	DC24V
			10	223	22.3			
			15	318	21.2			
Orange	--	--	5	140	28	25	5	DC24V
			10	274	27.4			
			15	386	25.7			
Pink	--	--	5	287	57.4	25	5	DC24V
			10	534	53.4			
			15	782	52.1			

Dual-White

CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
2700	>90	<5	5	437	87.4	83.3	5	DC24V
6500			5	447	89.4			
4000±300			10	860	86			
2700	>90	<5	7.5	641	85.5	83.3	5	DC24V
6500			7.5	658	87.7			
4000±300			15	1264	84			





Model : i-COB-SP14MM

Parameter Table For 14MM

 Voltage 24v DC	 UV Protection	 3-Step MacAdam
 Length 5M	 IP IP 65	 CRI 90 +
 Consistency One Bin	 Certification LM-80	 Warranty 3 Years

- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

RGB

Power(W)	Color	Lumen(LM/M)	Efficiency(LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
10	R	49	14.8	50	5	DC24V
	G	169	51.2			
	B	30	9.1			
	RGB	260	26.0			
15	R	69	13.8	50	5	DC24V
	G	226	45.2			
	B	38	7.6			
	RGB	334	22.3			










RGBW

Total Power(W)	CCT/Color	CRI	SDCM	Power for single color(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
15	R	--	--	3	52	17.3	83.33	5	DC24V
	G	--	--	3	156	52.0			
	B	--	--	3	26	8.7			
	W: 2700K	>90	5	6	486	81.0			
	RGBW	--	--	15	702	46.8			
15	R	--	--	3	58	19.3	83.33	5	DC24V
	G	--	--	3	173	57.7			
	B	--	--	3	23	7.7			
	W: 3000K	>90	5	6	480	80.0			
	RGBW	--	--	15	698	46.5			
15	R	--	--	3	56	18.7	83.33	5	DC24V
	G	--	--	3	162	54.0			
	B	--	--	3	32	10.7			
	W: 3500K	>90	5	6	514	85.7			
	RGBW	--	--	15	706	47.1			
15	R	--	--	3	55	18.3	83.33	5	DC24V
	G	--	--	3	158	52.7			
	B	--	--	3	33	11.0			
	W: 4000K	>90	5	6	477	79.5			
	RGBW	--	--	15	701	46.7			
15	R	--	--	3	54	18.0	83.33	5	DC24V
	G	--	--	3	165	55.0			
	B	--	--	3	32	10.7			
	W: 5000K	>90	5	6	487	81.2			
	RGBW	--	--	15	721	48.1			
15	R	--	--	3	52	17.3	83.33	5	DC24V
	G	--	--	3	167	55.7			
	B	--	--	3	32	10.7			
	W: 6500K	>90	5	6	486	81.0			
	RGBW	--	--	15	716	47.7			



Model : i-COB-SP14MM

Parameter Table For 14MM

 Voltage 24V DC	 UV Protection	 3-Step MacAdam
 Length 5M	 IP IP 65	 CRI 90 +
 Consistency One Bin	 Certification LM-80	 Warranty 3 Years

- Max. Run length refers to single side feed in serial connection.
- The given color temperature is the temperature of finished product.
- The given data are typical values due to the tolerances of the production process and the electrical components, values for light output and electrical power can vary up to 10%.

RGBWW

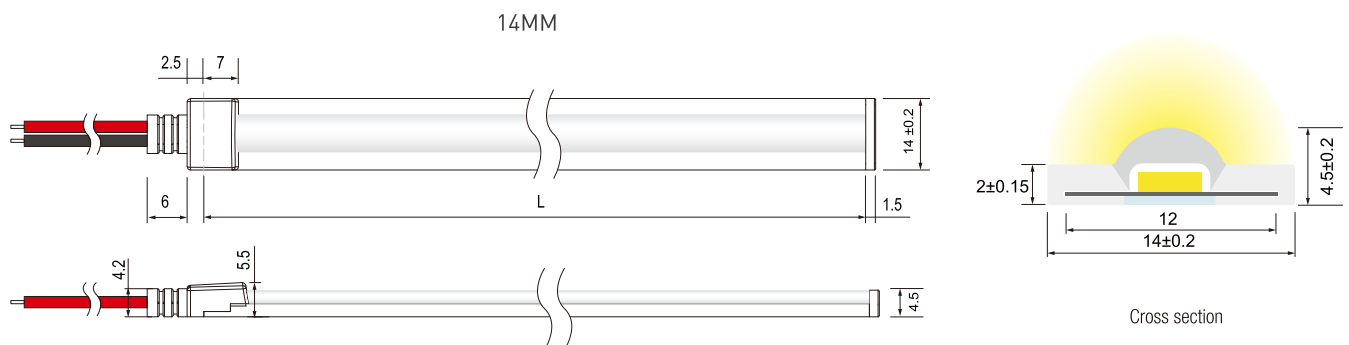
Total Power(W)	CCT/Color	CRI	Power for single color(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
9	R	--	3	58	19.3	71.4	5	DC24V
	G	--	3	171	57			
	B	--	3	33	11			
	RGB	--	9	248	27.6			
10	2700K±100K	>90	5	360	72	71.4	5	DC24V
	5500K±300K	>90	5	357	71.4			
	3800K±200K	>90	10	722	72.2			

Digital RGB

Voltage (V)	Power(W)	Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Signal Type	IC Model	UnitLength (mm)	Max. Run Length(M)
12	13	R	44.4	3.4	100	SPI	UCS1903	10	3
		G	143	11.0					
		B	33.5	2.6					
		RGB	210	16.2					

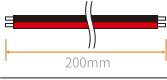
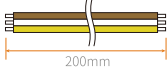




* This maximum serial length refers to the recommended connection length of single-end power supply when the COB strip is fully loaded (RGB all on). In practical application, according to the final required effect, when the actual required power is small, the serial length can be extended as appropriate.

Dimension structure





Cable Type

Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
		20AWG Red&Black 2-core Cable	● ●	Red V+, Black V-
		20AWG Brown&White&Yellow 3-core Cable	● ○ ●	Dual-White: Brown V+, White W, Yellow WW
		20AWG Brown&White&Yellow 3-core Cable	● ○ ●	Digital RGB: Brown V+, White DI, Yellow GND
PVC Cable		20AWG Black&Blue&Red&Green 4-core Cable	● ● ● ●	Black V+, Blue B, Red R, Green G
		20AWG Black&White&Blue&Green &Red 5-core Cable	● ○ ● ● ●	Black V+, White W, Blue B, GreenG, RedR
		20AWG Black&Blue&Red&Green &Yellow&White 6-core Cable	● ● ● ● ● ○	Black V+, Blue B, Red R, Green G, Yellow WW, White W

Cutting Mark



Remark: The bottom of the led strip has transparent window, the black marker is the cutting position



Use professional scissors to cut vertically at the cutting mark

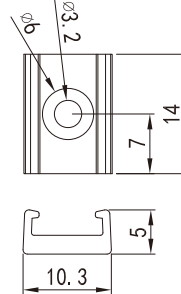




Mounting Accessories

C8 Clip

8MM

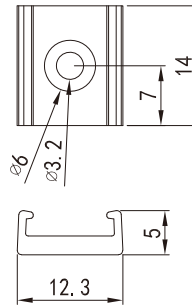


Dimension: :
14x10.3x5

Accessories:
PA 3X10 Self tapping screw

C10 Clip

10MM

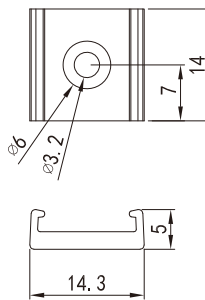


Dimension:
14x12.3x5

Accessories:
PA 3X10 Self tapping screw

C12 Clip

12MM

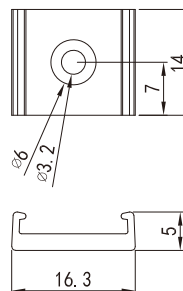


Dimension:
14x14.3x5

Accessories:
PA 3X10 Self tapping screw

C14 Clip

14MM

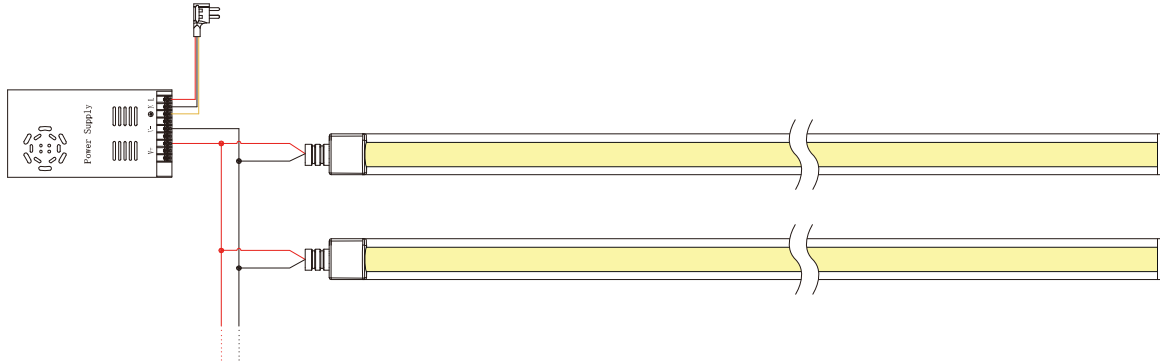


Dimension:
14x16.3x5

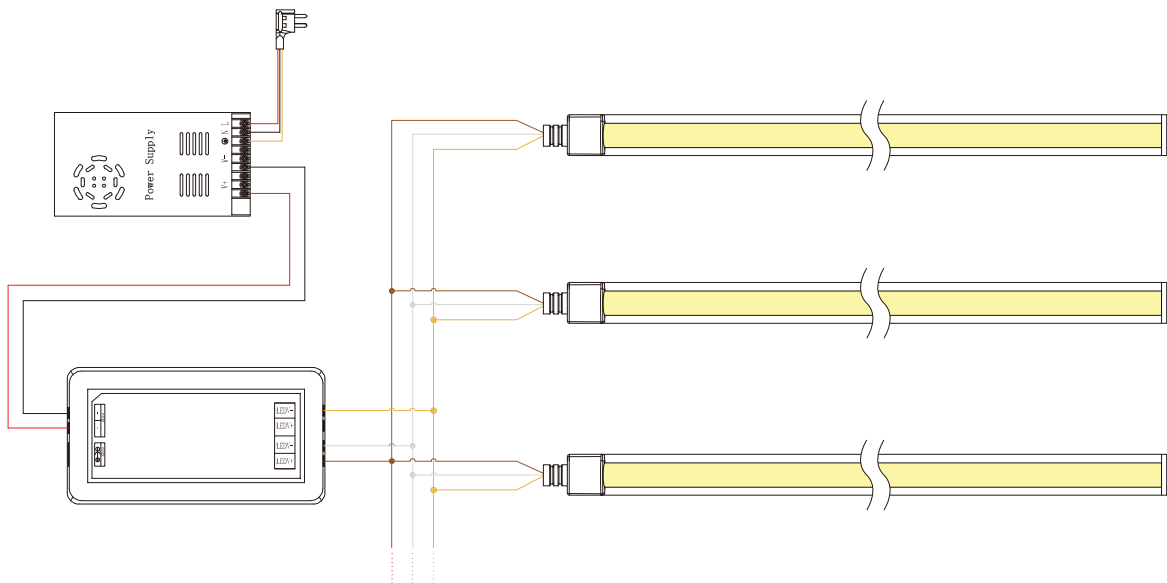
Accessories:
PA 3X10 Self tapping screw



Single Color Connection Diagram

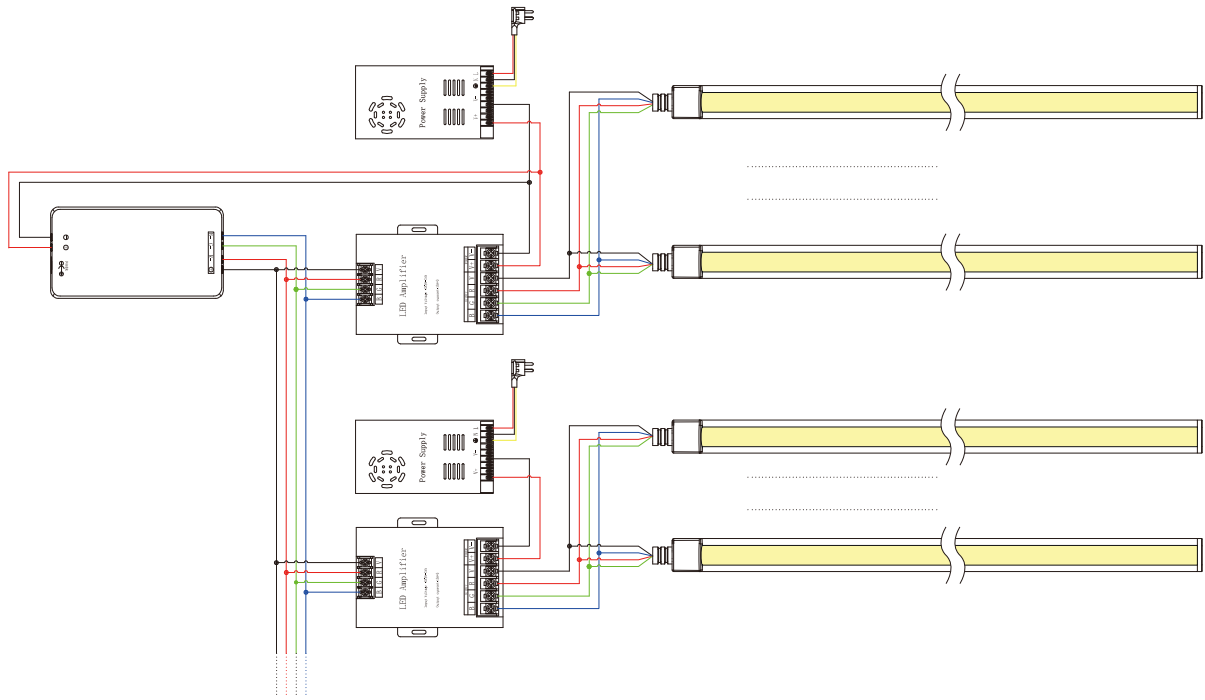


Tunable white Connection Diagram

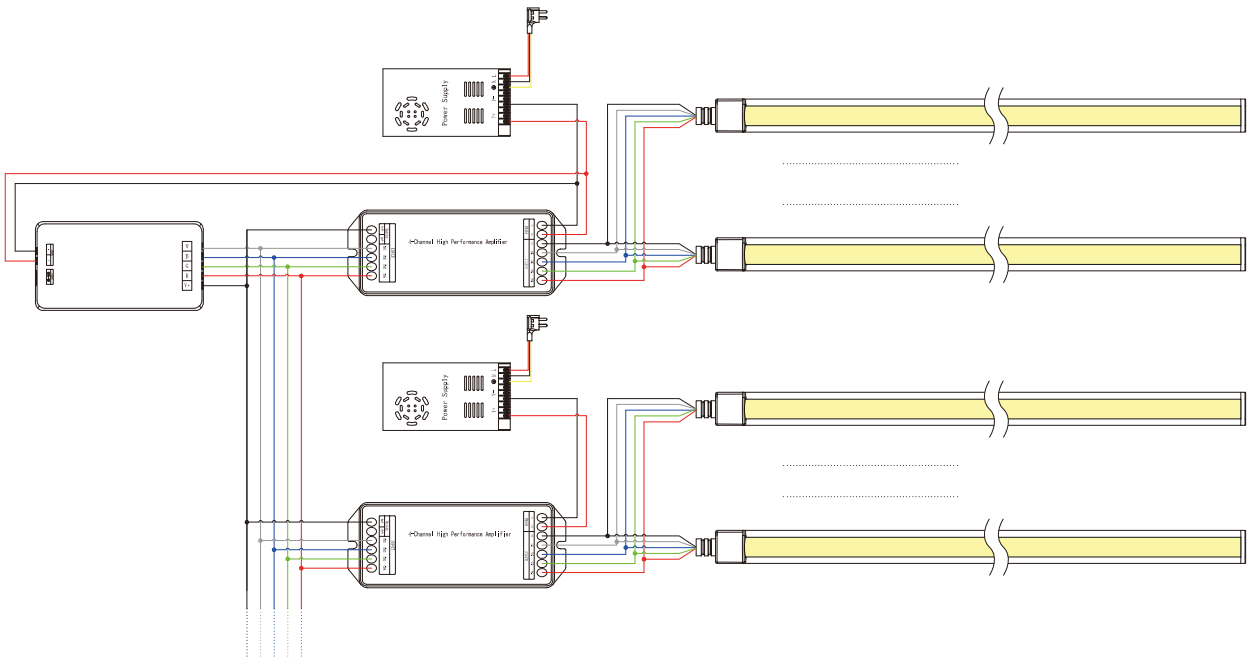




RGB Connection Diagram

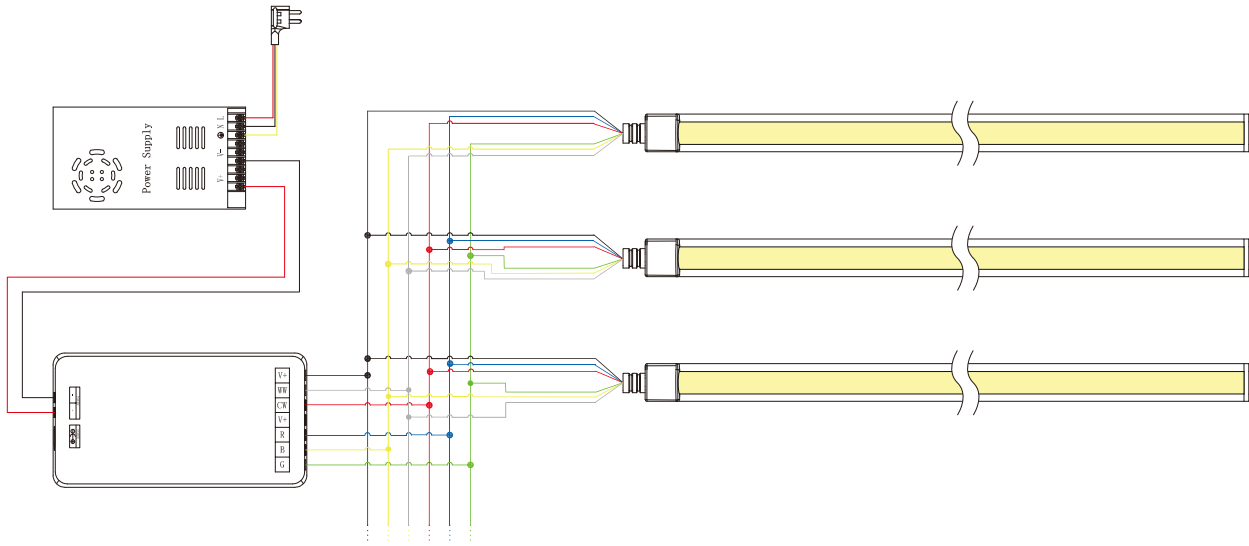


RGBW Connection Diagram

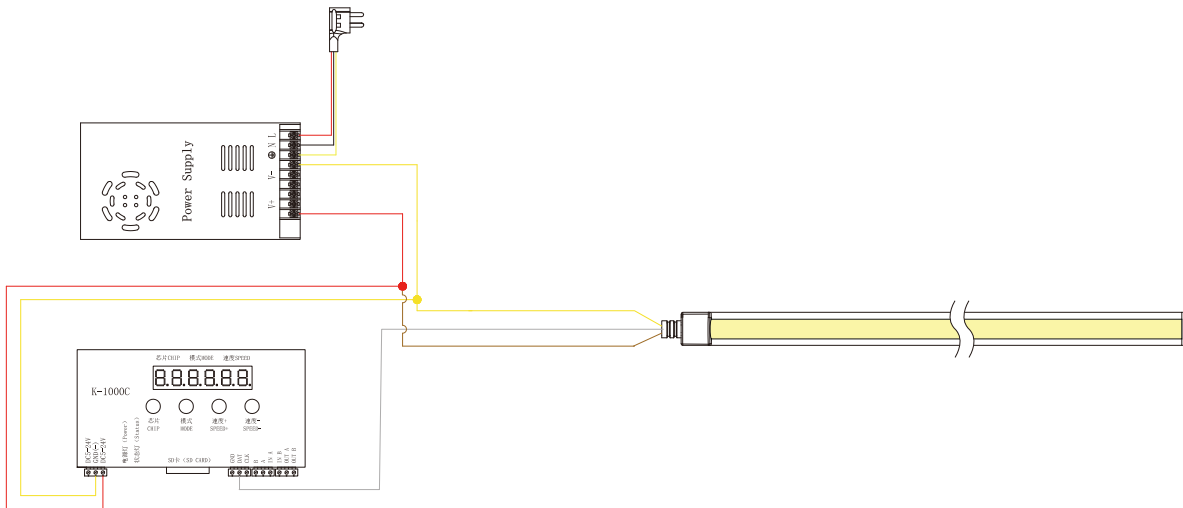




RGBWW Connection Diagram



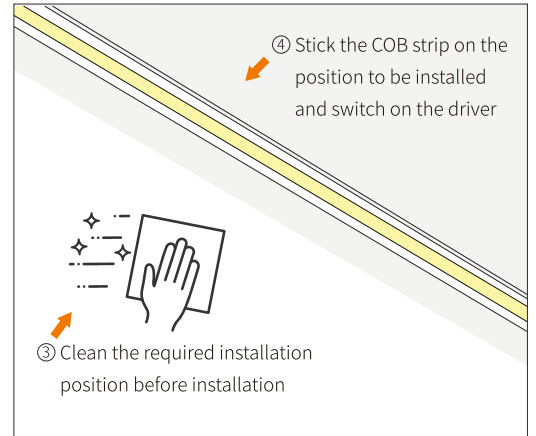
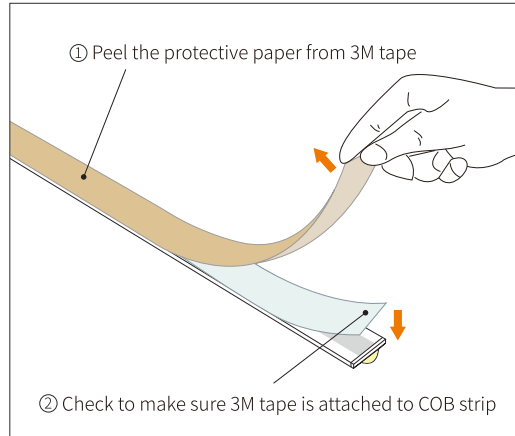
Digital RGB Connection Diagram





Installation Diagram

Installation with 3M tape



Installation with aluminum clips

