



Become your
most trusted
LED lighting supplier

02 COB LED STRIP



COB LED STRIP PLUS

Single Color | CCT Tunable | RGB | RGBW | RGBWW | SPI

More extreme vision: Intergrated End Cap, Tricolor extrusion, Intergrated Lamp Body;

More perfect touch: Frosted Process, Food grade silicone material;

More stable performance: High density LED source, Food grade silicone material, anti corrosion, anti UV.

COB FLEXIBLE LED STRIP

No spot, no shadow, soft light.

The antistatic grade (MIL – STD – 883 – e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut, and be free to cut off and weld along with the above cutting line.



COB 480 Single color

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

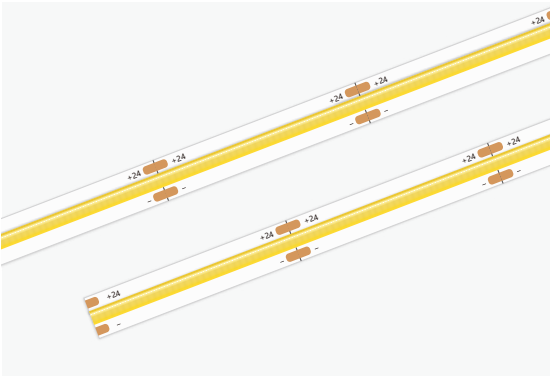
Can be cut,and be free to cut off and weld along with the above cutting line.



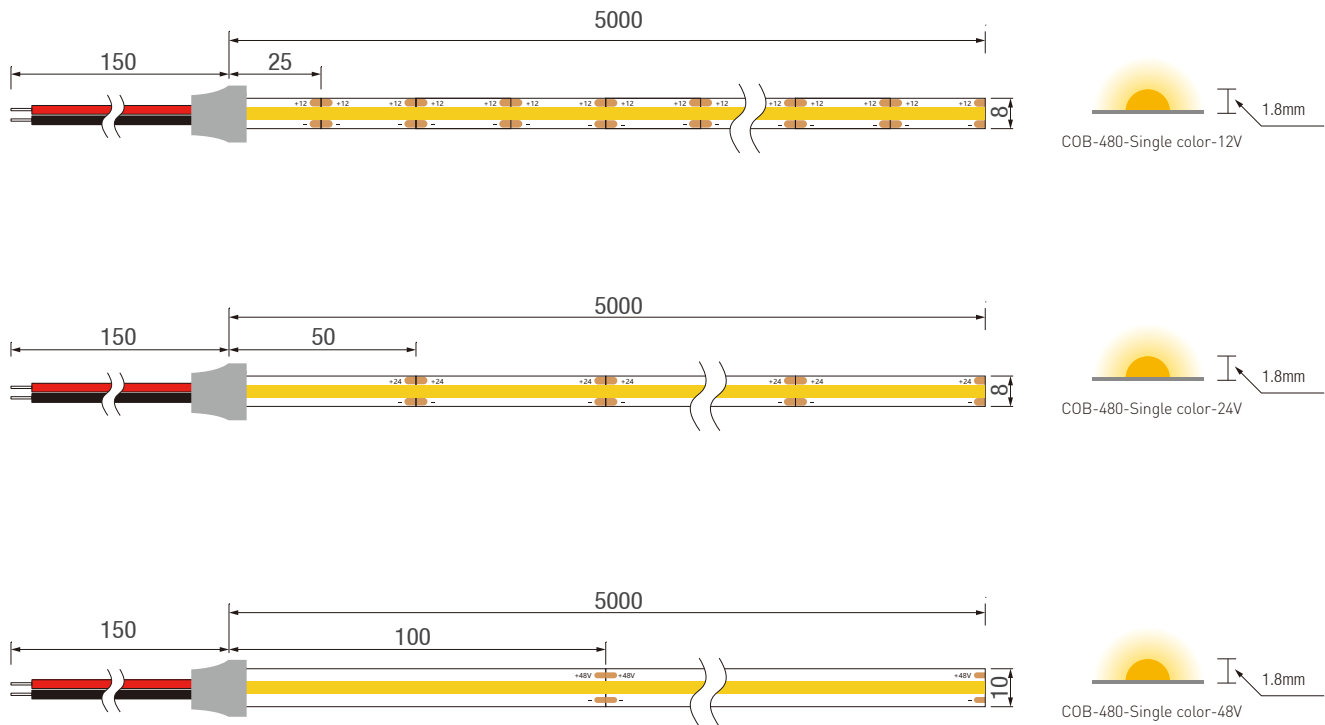
Consistency
One Bin



Warranty
3 Years



Dimension



Technical Data		SMD Type	COB
Input voltage	12V/24V/48V	Working hour	35000h
CRI[Ra]	≥ 90	Working temperture	-25℃ ~+45℃
Bram angle	180°	Cutttable length(mm)	25/50/100
Warranty	3years	PCB Width(mm)	8/10

COB-480-Single color-12V

CCT (K)	CRI	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
2700K±100	≥90	<5	/	DC24V	5	415	83	50	5	CV
					10	830				
					15	1245				
3000K±150	≥90	<5	/	DC24V	5	480	96	50	5	CV
					10	960				
					15	1440				
4000K±250	≥90	<5	/	DC24V	5	500	100	50	5	CV
					10	1000				
					15	1500				
6500K±300	≥90	<5	/	DC24V	5	550	110	50	5	CV
					10	1100				
					15	1650				

COB-480-Single color-24V

CCT (K)	CRI	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
2700K±100	≥90	<5	/	DC24V	5	415	83	50	5	CV
					10	830				
					15	1245				
3000K±150	≥90	<5	/	DC24V	5	480	96	50	5	CV
					10	960				
					15	1440				
4000K±250	≥90	<5	/	DC24V	5	500	100	50	5	CV
					10	1000				
					15	1500				
6500K±300	≥90	<5	/	DC24V	5	550	110	50	5	CV
					10	1100				
					15	1650				

COB-480-Single color-48V

CCT (K)	CRI	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
2700K±100	≥90	<5	/	DC24V	5	420	84	50	5	CV
					10	840				
					15	1260				
3000K±150	≥90	<5	/	DC24V	5	480	96	50	5	CV
					10	960				
					15	1440				
4000K±250	≥90	<5	/	DC24V	5	470	94	50	5	CV
					10	940				
					15	1410				
6500K±300	≥90	<5	/	DC24V	5	520	104	50	5	CV
					10	1040				
					15	1560				

COB-560-Single color(CC)

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



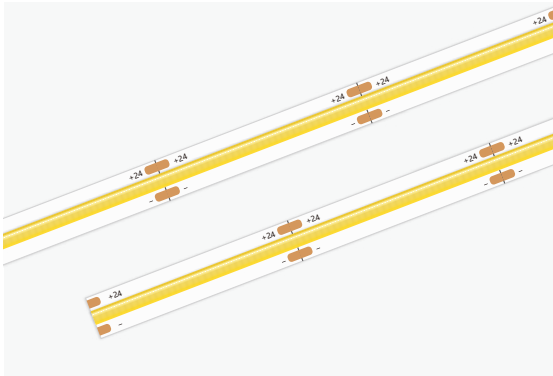
Consistency
One Bin



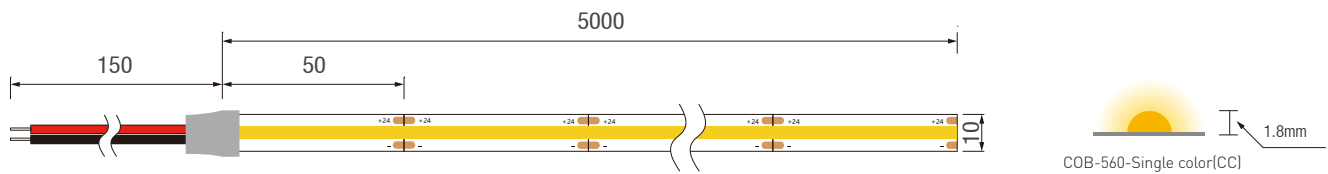
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		SMD Type	COB
Input voltage	24V	Working hour	35000h
CRI[Ra]	≥90	Working temperture	-25 C ~+45 C
Bram angle	180°	Cutttable length(mm)	50
Warranty	3years	PCB Width(mm)	10

ST20Q560V24-CCX

CCT (K)	CRI	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)	CC/CV
2700K±100	≥90	<5	/	DC24V	5	355	71	50	15	CC
					10	710			10	
3000K±150	≥90	<5	/	DC24V	5	405	81	50	15	CC
					10	810			10	
4000K±250	≥90	<5	/	DC24V	5	430	86	50	15	CC
					10	860			10	
6500K±300	≥90	<5	/	DC24V	5	440	88	50	15	CC
					10	880			10	

COB-576-CCT Tunable

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



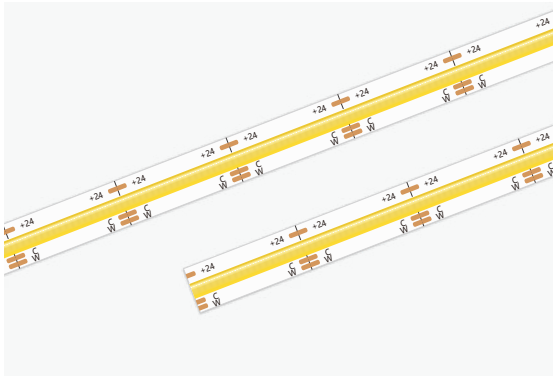
Consistency
One Bin



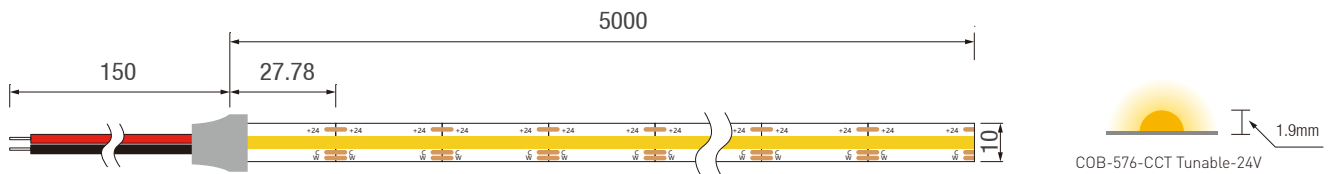
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		SMD Type	COB
Input voltage	24V	Working hour	35000h
CRI[Ra]	≥ 90	Working temperture	-25 C ~+45 C
Bram angle	180°	Cutttable length(mm)	27.8
Warranty	3years	PCB Width(mm)	10

ST20Q576V24-Ca

CCT (K)	CRI	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/M)	Efficiency (LM/W)	Unit cut (MM)	Max.run length(M)	CC/CV
2700K±100	≥90	<5	/	DC24V	7.5	615	82	27.8	5	CV
					15	1230			10	
6500K±300	≥90	<5	/	DC24V	7.5	750	100	27.8	5	CV
					15	1500			10	
2700K±6500K	≥90	<5	/	DC24V	15	1365	91	27.8	5	CV
					30	2730			10	

COB-588-CCT Tunable DIM TO WARM

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



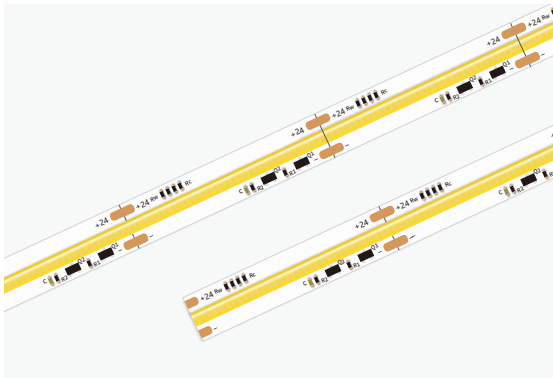
Consistency
One Bin



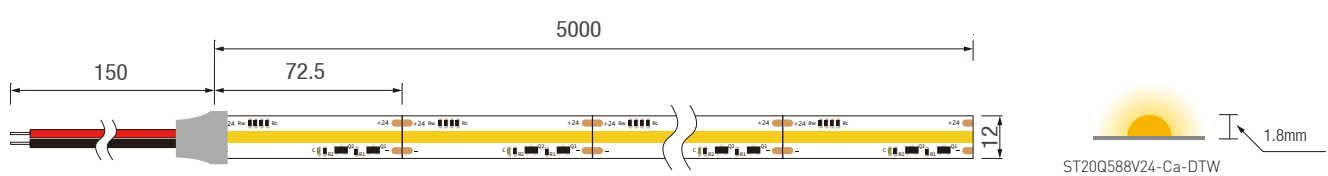
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		SMD Type	COB
Input voltage	24V	Working hour	35000h
CRI[Ra]	≥90	Working temperture	-25 C ~+45 C
Bram angle	180°	Cutttable length(mm)	72.5
Warranty	3years	PCB Width(mm)	12

ST20Q588V24-Ca-DTW

CCT (K)	CRI	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
2000K~3000K	≥90	<5	/	DC24V	15	412.5~1005	55~67	72.5	5	CV

COB-420-RGB

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



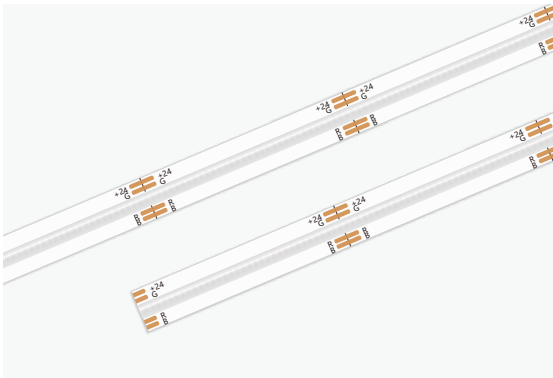
Consistency
One Bin



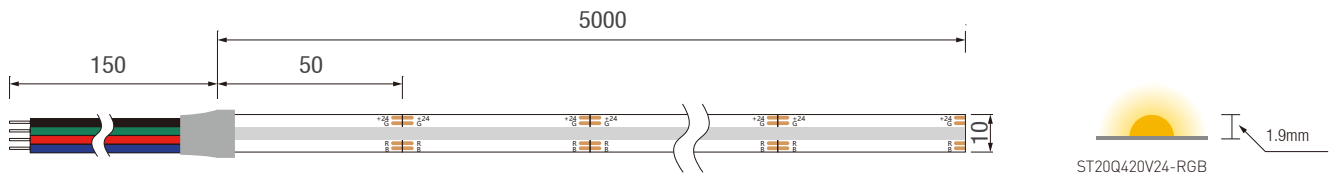
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		Working hour	35000h
Input voltage	24V	Working temperture	-25 C ~+45 C
Bram angle	180°	Cutttable length(mm)	50
Warranty	3years	PCB Width(mm)	10

ST20Q420V24-RGB

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	7.4	162.8	22	50	5	CV
G	520–530	/	/	DC24V	3.4	340	100	50	5	CV
B	450–460	/	/	DC24V	4	56	14	50	5	CV
RGB	/	/	/	DC24V	15	555	37	50	5	CV

COB-720-RGB

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



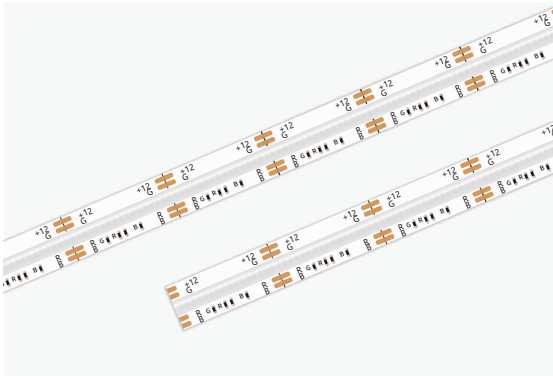
Consistency
One Bin



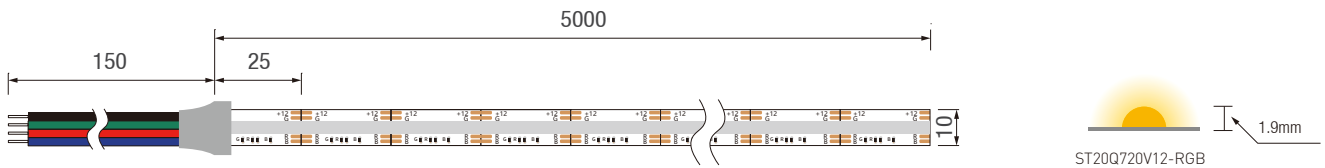
Voltage
12v DC



Warranty
3 Years



Dimension



Technical Data		Working hour	35000h
Input voltage	12V	Working temperture	-25 °C ~+45 °C
Bram angle	180°	Cuttable length[mm]	25
Warranty	3years	PCB Width[mm]	10

ST20Q720V12-RGB

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC12V	7.6	144.4	19	25	5	CV
G	520–530	/	/	DC12V	3.3	303.6	92	25	5	CV
B	450–460	/	/	DC12V	4.4	48.4	11	25	5	CV
RGB	/	/	/	DC12V	15	495	33	25	5	CV

COB-840-RGB

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



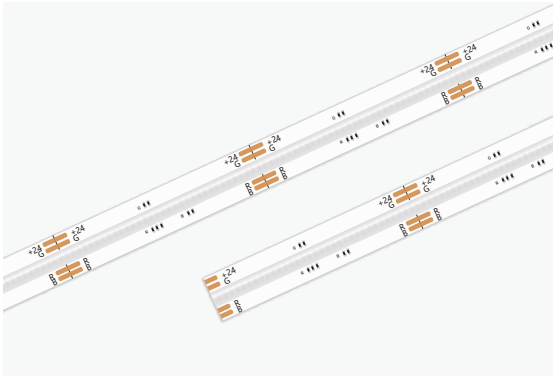
Consistency
One Bin



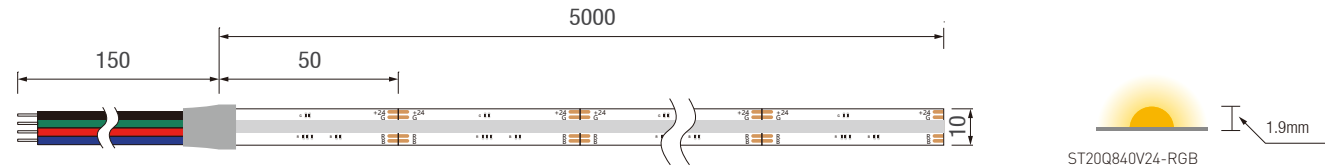
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		Working hour	35000h
Input voltage	24V	Working temperture	-25 °C ~+45 °C
Bram angle	180°	Cuttable length[mm]	50
Warranty	3years	PCB Width[mm]	10

ST20Q840V24-RGB

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	8	192	24	50	5	CV
G	520–530	/	/	DC24V	3.4	374	110	50	5	CV
B	450–460	/	/	DC24V	4.2	58.8	14	50	5	CV
RGB	/	/	/	DC24V	15	624	40	50	5	CV

COB-560-RGBW

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



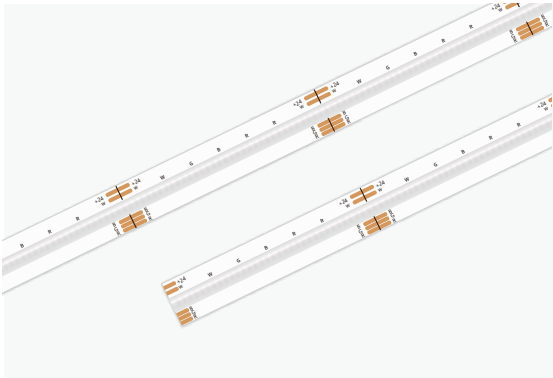
Consistency
One Bin



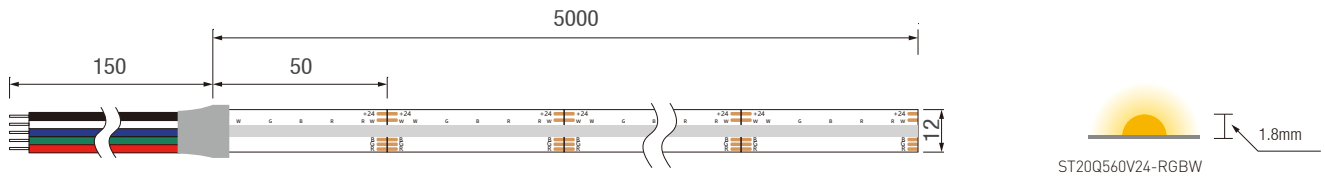
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		Power(W/M)	
Input voltage	24V	Working hour	35000h
CRI(Ra)	≥ 90	Working temperture	-25 C ~+45 C
Bram angle	180°	Cutable length(mm)	50
Warranty	3years	PCB Width(mm)	12

ST20Q560V24-RGBW

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.2	148.8	24	50	5	CV
G	520–530	/	/	DC24V	2.8	299.6	107	50	5	CV
B	450–460	/	/	DC24V	2.8	78.4	14	50	5	CV
W(2700K)	/	5	/	DC24V	4.4	334.4	76	50	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.2	148.8	24	50	5	CV
G	520–530	/	/	DC24V	2.8	299.6	107	50	5	CV
B	450–460	/	/	DC24V	2.8	78.4	14	50	5	CV
W(3000K)	/	5	/	DC24V	4.4	347.6	79	50	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.2	148.8	24	50	5	CV
G	520–530	/	/	DC24V	2.8	299.6	107	50	5	CV
B	450–460	/	/	DC24V	2.8	78.4	14	50	5	CV
W(4000K)	/	5	/	DC24V	4.4	413.6	94	50	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.2	148.8	24	50	5	CV
G	520–530	/	/	DC24V	2.8	299.6	107	50	5	CV
B	450–460	/	/	DC24V	2.8	78.4	14	50	5	CV
W(6500K)	/	5	/	DC24V	4.4	347.6	79	50	5	CV

COB-720-RGBW

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



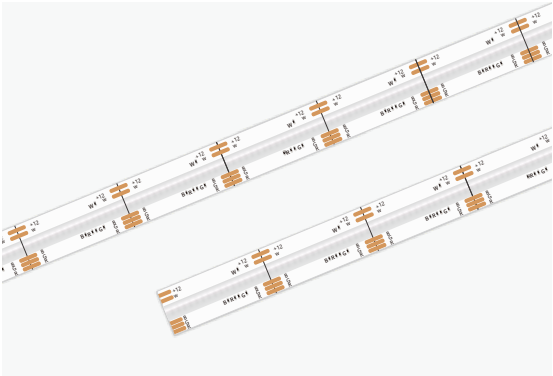
Consistency
One Bin



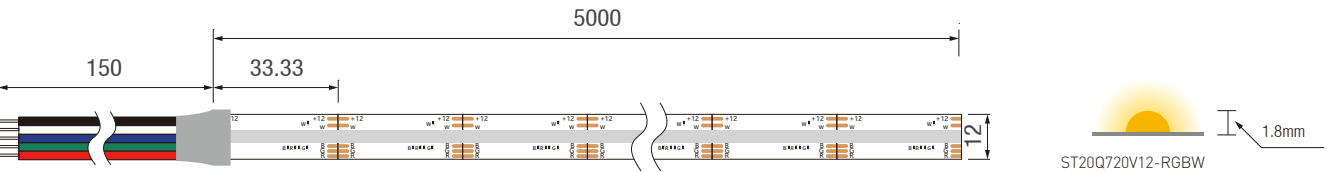
Voltage
12v DC



Warranty
3 Years



Dimension



Technical Data		Power(W/M)	
Input voltage	12V	Working hour	35000h
CRI(Ra)	≥ 90	Working temperture	-25 C ~+45 C
Bram angle	180°	Cuttable length(mm)	33.33
Warranty	3years	PCB Width(mm)	12

ST20Q720V12-RGBW

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC12V	6.3	126	20	33.3	5	CV
G	520–530	/	/	DC12V	2.5	230	92	33.3	5	CV
B	450–460	/	/	DC12V	2.5	60	12	33.3	5	CV
W(2700K)	/	5	/	DC12V	4.2	260.4	62	33.3	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC12V	6.3	126	20	33.3	5	CV
G	520–530	/	/	DC12V	2.5	230	92	33.3	5	CV
B	450–460	/	/	DC12V	2.5	60	12	33.3	5	CV
W(3000K)	/	5	/	DC12V	4.2	268.8	64	33.3	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC12V	6.3	126	20	33.3	5	CV
G	520–530	/	/	DC12V	2.5	230	92	33.3	5	CV
B	450–460	/	/	DC12V	2.5	60	12	33.3	5	CV
W(4000K)	/	5	/	DC12V	4.2	319.2	76	33.3	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC12V	6.3	126	20	33.3	5	CV
G	520–530	/	/	DC12V	2.5	230	92	33.3	5	CV
B	450–460	/	/	DC12V	2.5	60	12	33.3	5	CV
W(6500K)	/	5	/	DC12V	4.2	268.8	64	33.3	5	CV

COB-840-RGBW

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



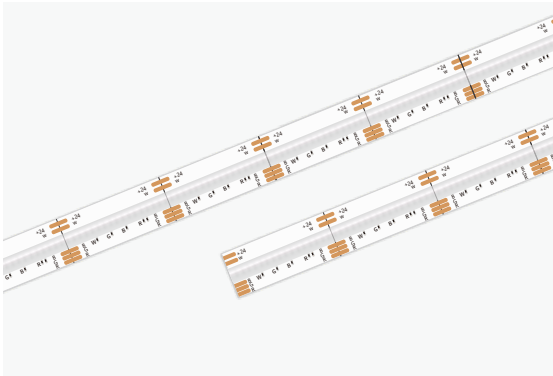
Consistency
One Bin



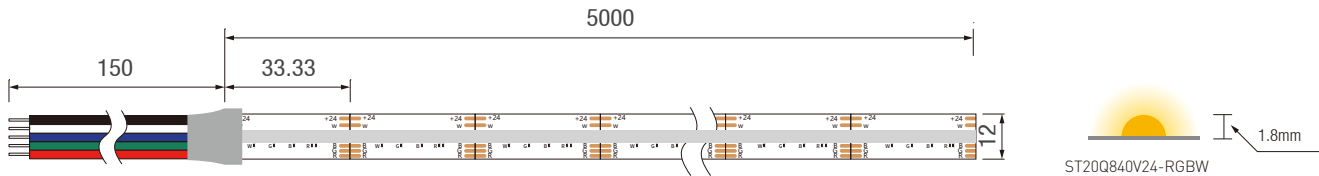
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		Power(W/M)	
Input voltage	24V	Working hour	35000h
CRI(Ra)	≥ 90	Working temperture	-25 C ~+45 C
Bram angle	180°	Cutable length(mm)	33.33
Warranty	3years	PCB Width(mm)	12

ST20Q840V24-RGBW

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.4	153.6	24	33.3	5	CV
G	520–530	/	/	DC24V	2.6	278.2	107	33.3	5	CV
B	450–460	/	/	DC24V	3.0	42	14	33.3	5	CV
W(2700K)	/	5	/	DC24V	4.2	319.2	76	33.3	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.4	153.6	24	33.3	5	CV
G	520–530	/	/	DC24V	2.6	278.2	107	33.3	5	CV
B	450–460	/	/	DC24V	3.0	42	14	33.3	5	CV
W(3000K)	/	5	/	DC24V	4.2	331.8	79	33.3	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.4	153.6	24	33.3	5	CV
G	520–530	/	/	DC24V	2.6	278.2	107	33.3	5	CV
B	450–460	/	/	DC24V	3.0	42	14	33.3	5	CV
W(4000K)	/	5	/	DC24V	4.2	394.8	94	33.3	5	CV

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	6.4	153.6	24	33.3	5	CV
G	520–530	/	/	DC24V	2.6	278.2	107	33.3	5	CV
B	450–460	/	/	DC24V	3.0	42	14	33.3	5	CV
W(6500K)	/	5	/	DC24V	4.2	331.8	79	33.3	5	CV

COB-840-RGB-WS2811

No spot, no shadow, soft light.

The antistatic grade (MIL - STD - 883 - e) : HBM level 2 (2000 ~ 4000 v).

The largest emitting angle can reach to 180°.

Can be cut,and be free to cut off and weld along with the above cutting line.



Consistency
One Bin



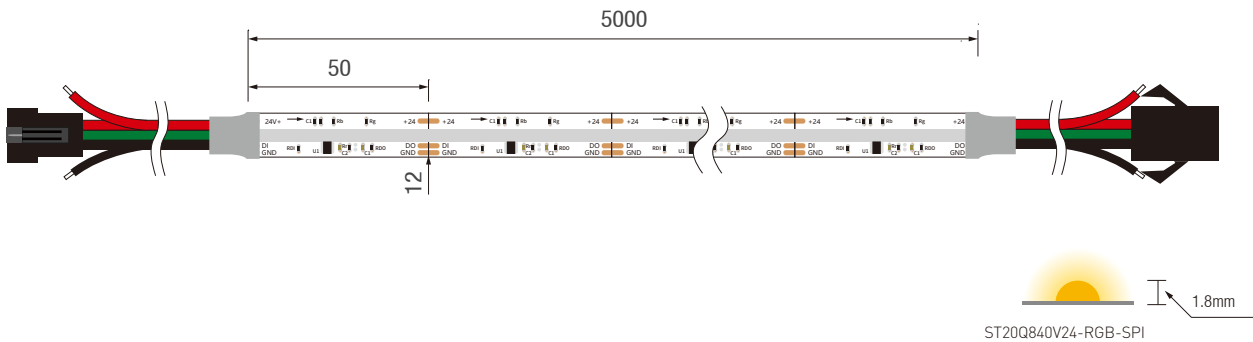
Voltage
24v DC



Warranty
3 Years



Dimension



Technical Data		SMD Type	COB
Input voltage	24V	Working hour	35000h
Bram angle	180°	Working temperture	-25 C ~+45 C
Warranty	3years	Cuttable length(mm)	50
IC Model	WS2811	PCB Width(mm)	12

ST20Q840V12-RGB-SPI

CCT (K)	Wave length (nm)	SDCM	Energy efficiency class	voltage (V)	Power (W/M)	Lumen (LM/m)	Efficiency (LM/w)	Unit cut (mm)	Max.run length(m)	CC/CV
R	620–630	/	/	DC24V	8.4	159.6	19	50	5	CV
G	520–530	/	/	DC24V	8.4	630	75	50	5	CV
B	450–460	/	/	DC24V	8.4	92.4	11	50	5	CV
RGB	/	/	/	DC24V	22	814	37	50	5	CV

ST20Q480-Cx-ERP(F/G)

No spot, no shadow, soft light.

The largest emitting angle can reach to 180°

With life span over 36000H,3-year warranty



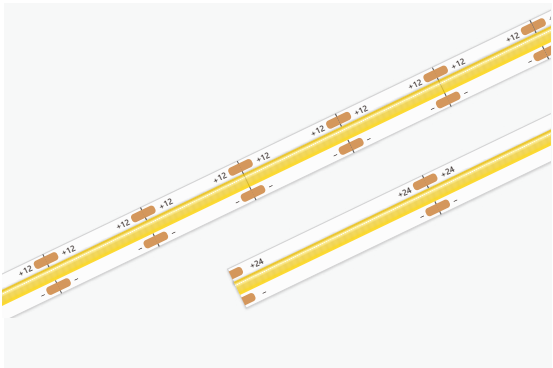
Consistency
One Bin



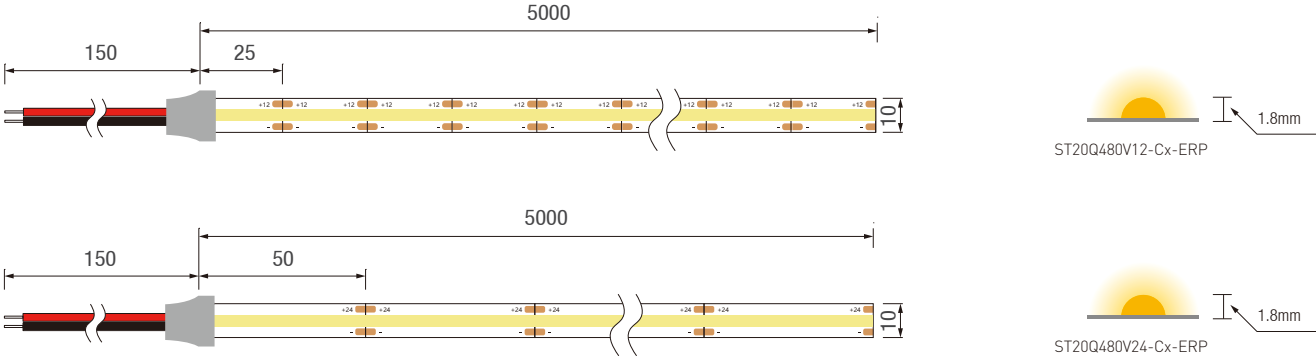
Voltage
12v/24v DC



Warranty
3 Years



Dimension



Technical Data		SMD Type	COB
Input voltage	12V/24V	Working hour	35000h
CRI(Ra)	≥ 90	Working temperature	-25 C ~+45 C
Bram angle	180°	Cuttable length(mm)	25/50
Warranty	3years	PCB Width(mm)	10

ST2Q480V12-Cx-ERP

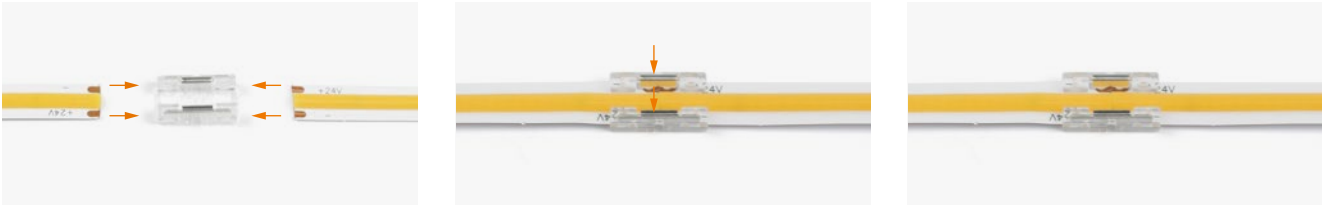
CCT	Chromaticity coordinates (x and y)	Power (W/M)	Power (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	
						IP20	IP65
2700K	0.463/0.42	10	5	416	83	G	G
3000K	0.44/0.403			467	93	F	F
4000K	0.38/0.38			522	104	F	F
6500K	0.313/0.317			477	95	F	F

ST2Q480V24-Cx-ERP

CCT	Chromaticity coordinates (x and y)	Power (W/M)	Power (W/0.5M)	(LM/0.5M)	efficiency (LM/W)	Energy efficiency class	
						IP20	IP65
2700K	0.463/0.42	10	5	446	89	G	G
3000K	0.44/0.403			475	95	F	F
4000K	0.38/0.38			500	100	F	F
6500K	0.313/0.317			514	103	F	F

Installation Instructions for Connector

Strip to Strip



Strip to Cable

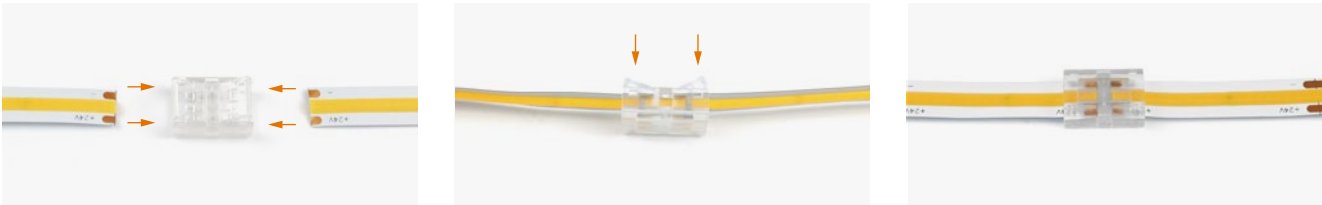


Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

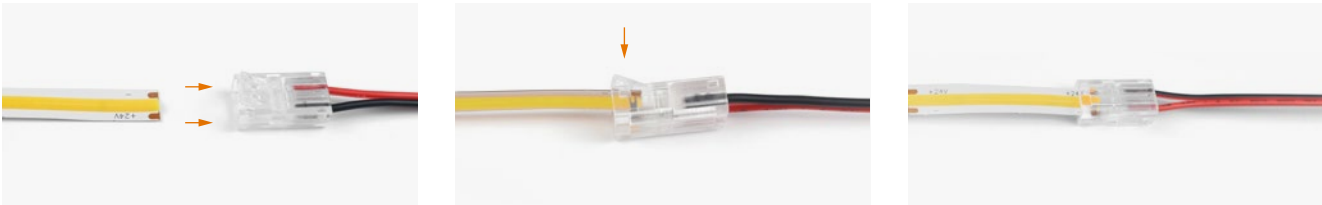
Press down the metal pin on the connector so that the connector pin penetrates and secures the pad of the strip.

Finished product diagram.

Strip to Strip



Strip to Cable

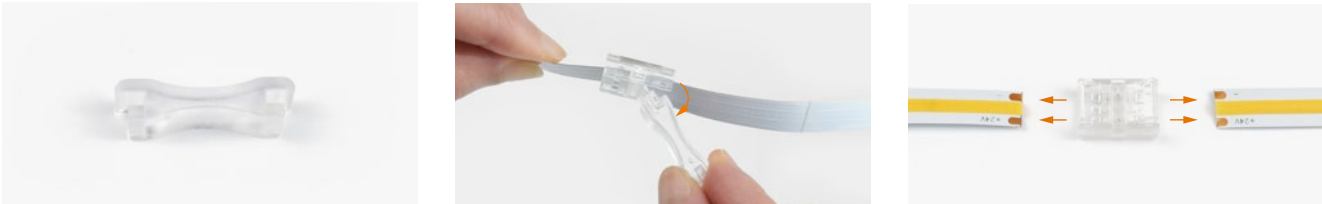


Open the mobile mask on the side of the connector. Insert the strip into the connector and make sure the pad of the strip is in full contact with the pin on the connector.

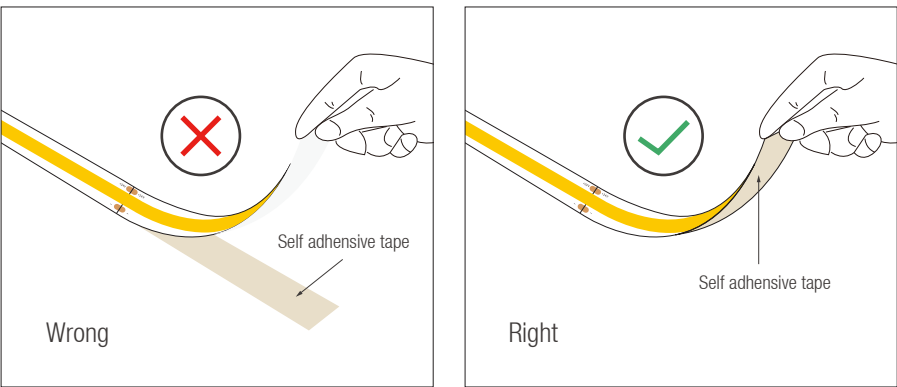
Press the connector's mask back in place so that the connector pin penetrates and secures the pad of the strip.

Finished product diagram.

Instructions for removing connector

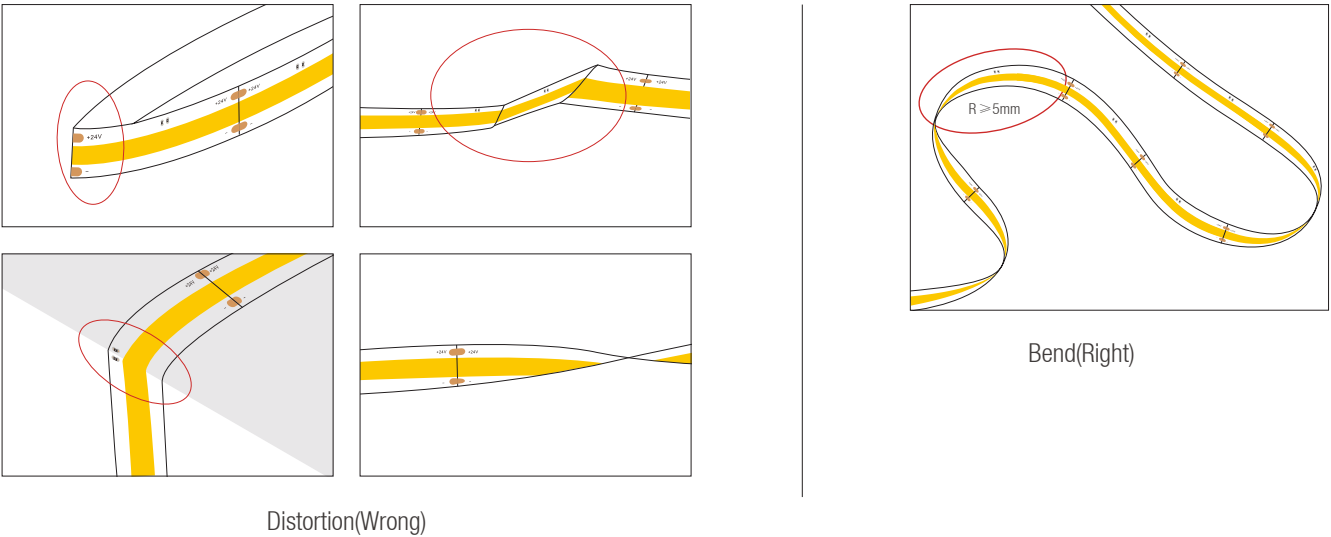


Cautions



If the led strip needs to be torn up,please make sure that the self adhesive tape is torn with the led strip,otherwise the led strip will be damaged

When install the led strip,please note the installation technique.The led strip can be bent, but not distorted,as shown below.



LED strips are low votage products,you must use the power supply(transformer).Please don,t connect the led strip directly to the AC 110v or AC 220v,otherwise it will burn out the LED strips.

Clean up the installation surface,it will ensure the reliability of the adhesive,The electrical connection process must be operated by a professional person.

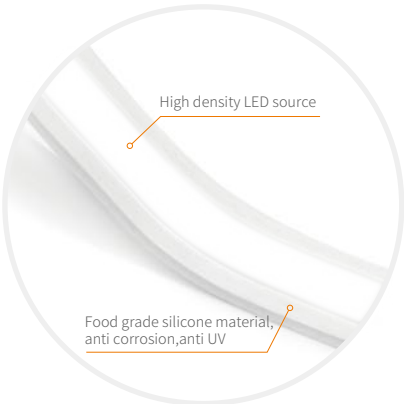
COB LED STRIP PLUS



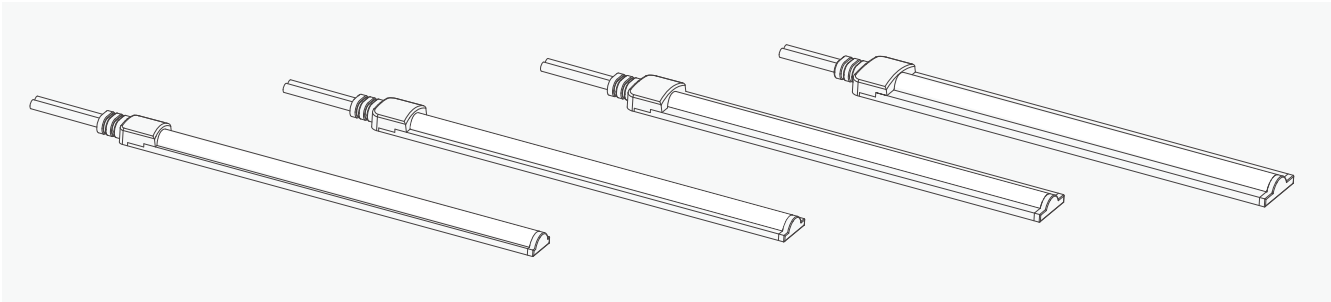
More extreme vision



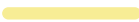
More perfect touch



More stable performance



8MM



Single Color

10MM



Single Color /CCT Tunable
RGB/SPI

12MM

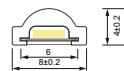


Single Color /CCT Tunable
RGB/SPI

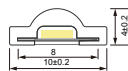
14MM



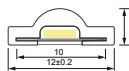
Single Color /CCT Tunable/RGB
RGBW/RGBWW/SPI



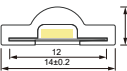
Cross section



Cross section



Cross section



Cross section



Max.Length:5M



Max.Length:5M



Max.Length:5M



Max.Length:5M



IP65



IP65



IP65



IP65



Cable Type



Cable Type

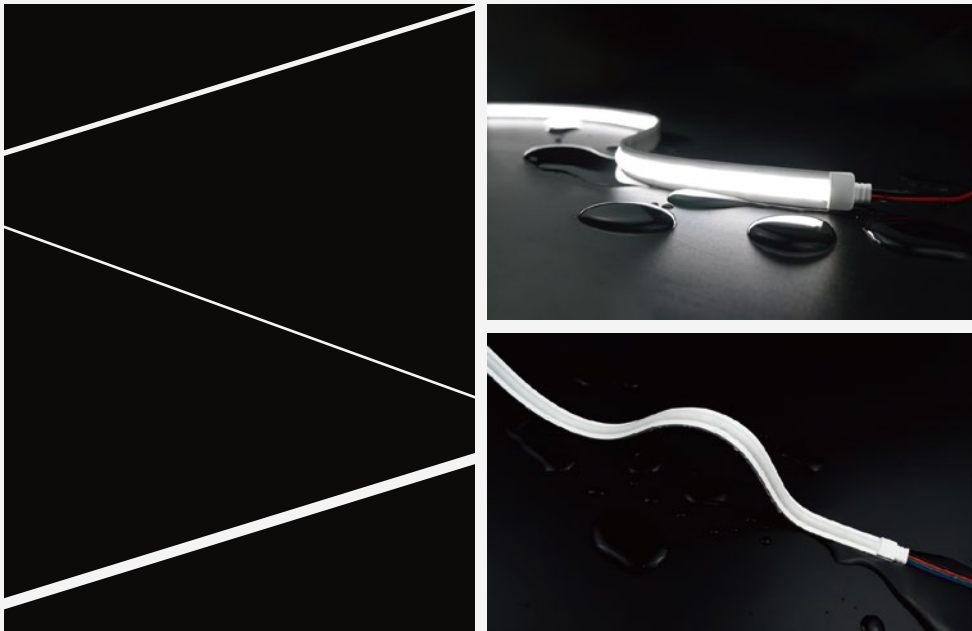


Cable Type



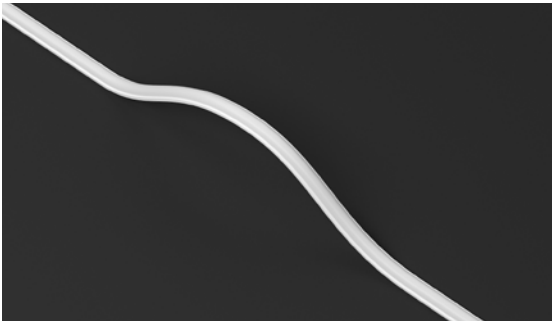
Cable Type

Specialized
LED strip
Manufacturer

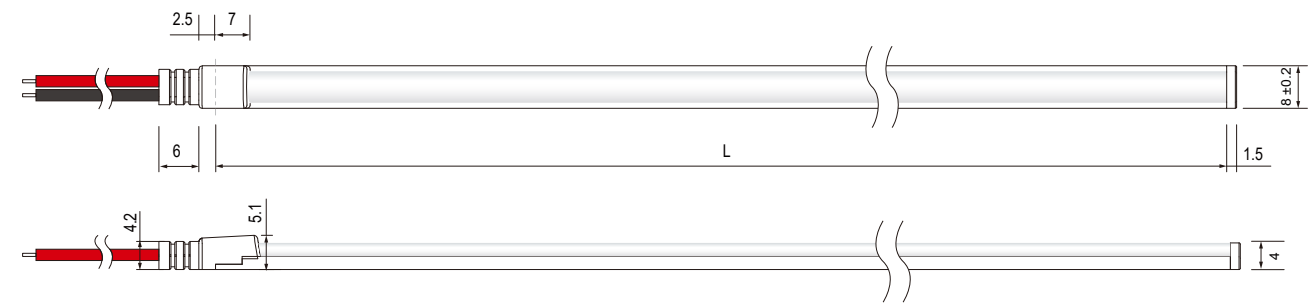


ST20-PLUS8

More extreme vision:Intergrated End Cap、 Tricolor extrusion、
Intergrated Lamp Body;
More perfect touch:Frosted Process、 Food grade silicone
material;
More stable performance:High density LED source、 Food
grade silicone material, anti corrosion,anti UV.



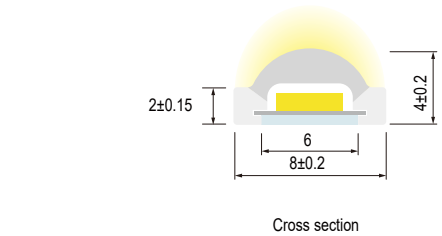
Dimension



Technical Data	
Working Voltage	DC24V
CRI	>90
Rated Power/m	5w/10w
Storage Temperature	-25 C ~60 C
Ambient Temperature	T _a min=-25 C , T _a max (Table below)

COB PLUS8	Std Output	High Output
Power(W/m)	5W	10W
Max. Ambient tempt.(T _a max)	55 C	45 C

- Note:
- When ambient temperature reaches 55℃, the power is suggested to be 5W/M.
 - Max. run length refers to single side feed in serial connection.
 - 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%.
 - The given color temperature is the temperature of finished product.



Voltage
24v DC

UV
Protection

Consistency
One Bin

Length
5M

Waterproof
Grade
IP 65

Warranty
3 Years

Single color
PARAMETER



CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	Voltage
2400	>90	<5	5	535	107.1	50	5	DC24V
			10	1010	101			
2700	>90	<5	5	546	109.2	50	5	DC24V
			10	1019	101.9			
3000	>90	<5	5	554	110.9	50	5	DC24V
			10	1046	104.6			
3500	>90	<5	5	599	119.8	50	5	DC24V
			10	1130	113			
4000	>90	<5	5	558	111.7	50	5	DC24V
			10	1077	107.7			
5000	>90	<5	5	552	110.4	50	5	DC24V
			10	1028	102.8			
6500	>90	<5	5	560	111.9	50	5	DC24V
			10	1056	105.6			
R	--	--	5	145	29.0	50	5	DC24V
			10	293	29.3			
G	--	--	5	381	76.2	50	5	DC24V
			10	685	68.5			
B	--	--	5	71	14.2	50	5	DC24V
			10	134	13.4			
Yellow	--	--	5	116	23.2	50	5	DC24V
			10	223	22.3			
Orange	--	--	5	136	27.2	50	5	DC24V
			10	274	27.4			
Pink	--	--	5	315	63	50	5	DC24V
			10	602	60.2			

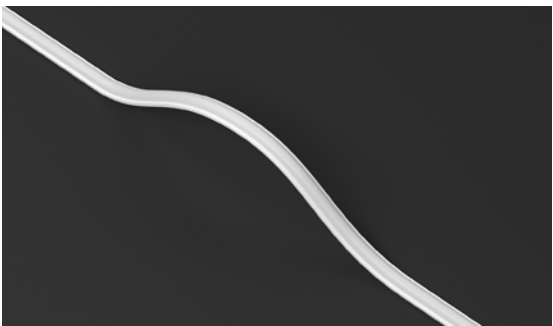
* This maximum serial length refers to the recommended connection length of single-end power supply when the COB strip is fully loaded (RGB all on).
In practical application, according to the final required effect, when the actual required power is small, the serial length can be extended as appropriate.

ST20-PLUS10

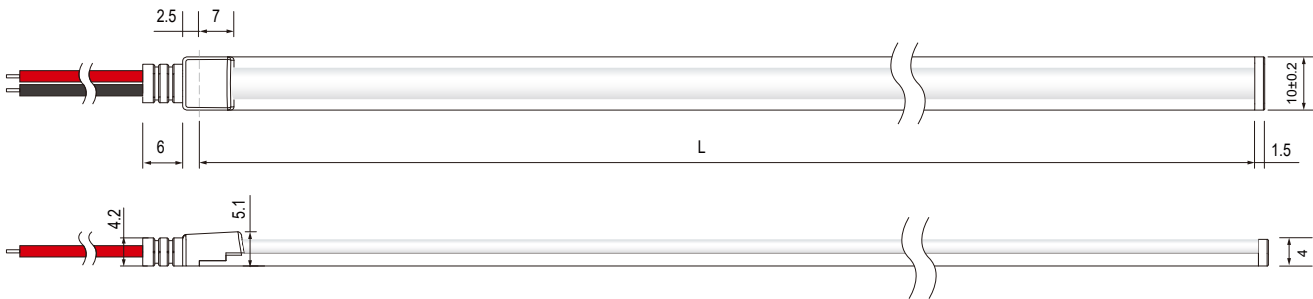
More extreme vision:Intergrated End Cap、 Tricolor extrusion、 Intergrated Lamp Body;

More perfect touch:Frosted Process、 Food grade silicone material;

More stable performance:High density LED source、 Food grade silicone material, anti corrosion,anti UV.



Dimension



Technical Data	
Working Voltage	DC24V
CRI	>90
Rated Power/m	5w/10w
Storage Temperature	-25 C ~60 C
Ambient Temperature	T _a min=-25 C , T _a max (Table below)

COB PLUS10	Std Output	High Output
Power(W/m)	5W	10W
Max. Ambient tempt.(T _a max)	55 C	45 C

Note:

-When ambient temperature reaches 55℃, the power is suggested to be 5W/M.

-Max. run length refers to single side feed in serial connection.

-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%.

-The given color temperature is the temperature of finished product.



Voltage
24v DC

UV
Protection

Consistency
One Bin

Length
5M

Waterproof
Grade
IP 65

Warranty
3 Years

Single color

PARAMETER



CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	Voltage
2400	>90	<5	5	409	81.9	25	5	DC24V
			10	815	81.5			
2700	>90	<5	5	423	84.6	25	5	DC24V
			10	822	82.2			
3000	>90	<5	5	422	84.4	25	5	DC24V
			10	829	82.9			
3500	>90	<5	5	476	95.2	25	5	DC24V
			10	918	91.8			
4000	>90	<5	5	439	87.9	25	5	DC24V
			10	866	86.6			
5000	>90	<5	5	443	88.5	25	5	DC24V
			10	869	86.9			
6500	>90	<5	5	453	90.6	25	5	DC24V
			10	886	88.6			
R	--	--	5	146	29.2	25	5	DC24V
			10	308	30.8			
G	--	--	5	413	82.6	25	5	DC24V
			10	707	70.7			
B	--	--	5	70	14	25	5	DC24V
			10	137	13.7			
Yellow	--	--	5	106	21.2	25	5	DC24V
			10	226	22.6			
Orange	--	--	5	128	25.6	25	5	DC24V
			10	278	27.8			
Pink	--	--	5	287	57.4	25	5	DC24V
			10	567	56.7			

CCT Tunable

PARAMETER



CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
2700	>90	<5	5	415	83.0	83.3	5	DC24V
6500			5	418	83.6			
4000±300		--	10	826	82.6			

RGB

PARAMETER



Power(W)	Color	Lumen(LM/M)	Efficiency(LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
10	R	60	18.2	50	5	DC24V
	G	176	53.3			
	B	32	9.7			
	RGB	268	26.8			

SPI

PARAMETER

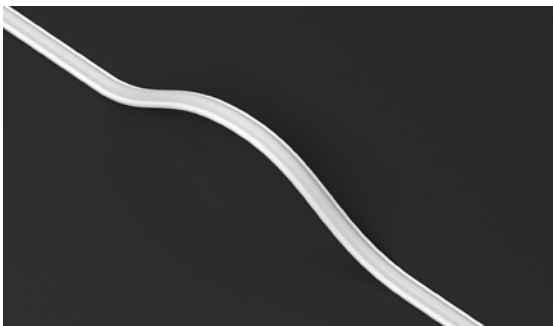


Voltage (V)	Power(W)	Color	Lumen (LM/M)	Efficiency (LM/W)	Pixel (PCS)	Signal Type	IC Model	UnitLength (mm)	Max. Run Length(M)
5	8	R	19.8	7.4	100	SPI	UCS1903	10	2
		G	59.3	22.2					
		B	11.5	4.3					
		RGB	87.3	10.9					

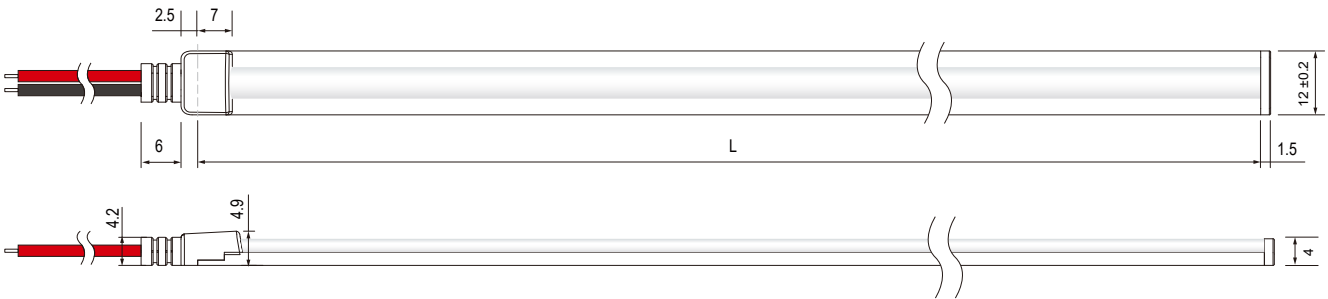
* This maximum serial length refers to the recommended connection length of single-end power supply when the COB strip is fully loaded (RGB all on). In practical application, according to the final required effect, when the actual required power is small, the serial length can be extended as appropriate.

ST20-PLUS12

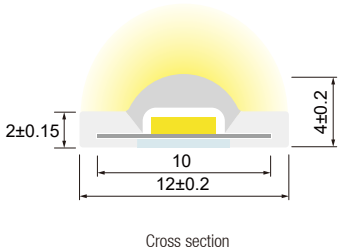
More extreme vision:Intergrated End Cap、 Tricolor extrusion、
Intergrated Lamp Body;
More perfect touch:Frosted Process、 Food grade silicone
material;
More stable performance:High density LED source、 Food
grade silicone material, anti corrosion,anti UV.



Dimension



Technical Data	
Working Voltage	DC24V
CRI	>90
Rated Power/m	5w/10w/15w
Storage Temperature	-25 C ~60 C
Ambient Temperature	T _{amin} = -25 C , T _{amax} [Table below]



COB PLUS12	Low Output	Std Output	High Output
Power(W/m)	5W	10W	15W
Max. Ambient tempt.(T _{amax})	55℃	45℃	35℃

Note:

-When ambient temperature reaches 55℃, the power is suggested to be 5W/M.

-Max. run length refers to single side feed in serial connection.

-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%.

-The given color temperature is the temperature of finished product.



Voltage
24v DC

UV
Protection

Consistency
One Bin

Length
5M

Waterproof
Grade
IP 65

Warranty
3 Years

Single color

PARAMETER



CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length (M)	Voltage
2400	>90	<5	5	429	85.9	25	5	DC24V
			10	826	82.6			
			15	1208	80.6			
2700	>90	<5	5	433	86.6	25	5	DC24V
			10	833	83.3			
			15	1244	82.9			
3000	>90	<5	5	436	87.3	25	5	DC24V
			10	840	84			
			15	1243	82.8			
3500	>90	<5	5	484	96.7	25	5	DC24V
			10	930	93			
			15	1364	91			
4000	>90	<5	5	442	88.4	25	5	DC24V
			10	851	85.1			
			15	1258	83.9			
5000	>90	<5	5	443	88.7	25	5	DC24V
			10	854	85.4			
			15	1259	84			
6500	>90	<5	5	450	90	25	5	DC24V
			10	867	86.7			
			15	1270	84.6			
R	--	--	5	142	28.4	25	5	DC24V
			10	281	28.1			
			15	416	27.7			
G	--	--	5	349	69.8	25	5	DC24V
			10	628	62.8			
			15	823	54.9			
B	--	--	5	62	12.4	25	5	DC24V
			10	121	12.1			
			15	176	11.7			
Yellow	--	--	5	88	17.6	25	5	DC24V
			10	200	20			
			15	294	19.6			
Orange	--	--	5	108	21.6	25	5	DC24V
			10	246	24.6			
			15	345	23			
Pink	--	--	5	274	54.8	25	5	DC24V
			10	519	51.9			
			15	755	50.3			

CCT Tunable

PARAMETER



CCT(K)	CRI	SDCM	Power(W)	Lumen (LM/M)	Efficiency (LM/W)	Unit Length (mm)	Max. Run Length(M)	Voltage
2700	>90	<5	5	422	84.4	83.3	5	DC24V
6500			5	434	86.8			
4000±300			10	849	84.9			
2700	>90	<5	7.5	619	82.5	83.3	5	DC24V
6500			7.5	639	85.2			
4000±300			15	1241	82.7			



ST20-PLUS14

Technical drawing showing two types of cable assemblies, labeled 1 and 2, with dimensions in millimeters (mm).

Assembly 1 (Top):

- Red cable diameter: 2.5 mm
- Black cable diameter: 7 mm
- Red cable length: 6 mm
- Black cable length: 1.5 mm
- Overall length: L
- Outer diameter of the black cable: 14 ± 0.2 mm

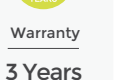
Assembly 2 (Bottom):

- Red cable diameter: 4.2 mm
- Black cable diameter: 5.5 mm
- Red cable length: 4.2 mm
- Black cable length: 4.5 mm
- Overall length: L
- Outer diameter of the black cable: 14 ± 0.2 mm

Diagram illustrating the cross-section of a specimen. The dimensions are labeled as follows:

- Top width: 2 ± 0.15
- Right height: 4.5 ± 0.2
- Inner width: 12
- Outer width: 14 ± 0.2

Cross section



Single color

PARAMETER



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			

RGB

PARAMETER



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			

CCT Tunable

PARAMETER



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			

RGBW

PARAMETER



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			

RGBWW

PARAMETER



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			
	5500K±300K	>90	5	357	71.4			
	3800K±200K	>90	10	722	72.2			

SPI

PARAMETER



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.

Mounting Accessories

C8 Clip for ST20-PLUS8



Dimension: 14x10.3x5
Accessories:PA 3X10 Self tapping screw

C10 Clip for ST20-PLUS10



Dimension: 14x12.3x5
Accessories:PA 3X10 Self tapping screw

C12 Clip for ST20-PLUS12



Dimension: 14x14.3x5
Accessories:PA 3X10 Self tapping screw

C14 Clip for ST20-PLUS14



Dimension: 14x16.3x5
Accessories:PA 3X10 Self tapping screw

Cable Type

Models	Cable Type	Schematic Diagram	Specification	Core	Electrical Properties
ST20-PLUS8 ST20-PLUS10 ST20-PLUS12 ST20-PLUS14	PVC Cable		20AWG Red&Black 2-core Cable		Red V+, Black V-
ST20-PLUS10 ST20-PLUS12 ST20-PLUS14	PVC Cable		20AWG Brown&White&Yellow 3-core Cable		Dual-White: Brown V+, White W, Yellow WW;
			20AWG Red&Green&Black 3-core Cable		Digital RGB: Red V+, Green DI, Black GND;
ST20-PLUS10 ST20-PLUS12 ST20-PLUS14	PVC Cable		20AWG Black&Blue&Red&Green 4-core Cable		Black V+, Blue B, Red R, Green G;
ST20-PLUS14	PVC Cable		20AWG Black&White&Blue&Green &Red 5-core Cable		Black V+, White W, Blue B, GreenG, RedR;
ST20-PLUS14	PVC Cable		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

Cautions

Do not twist the light

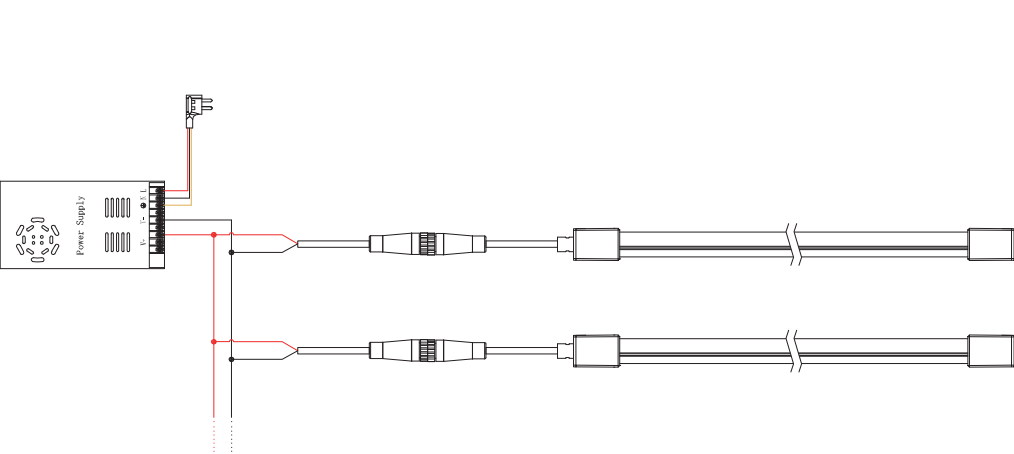
Do not suspend the power cable

Do not leave the light hanging in the air

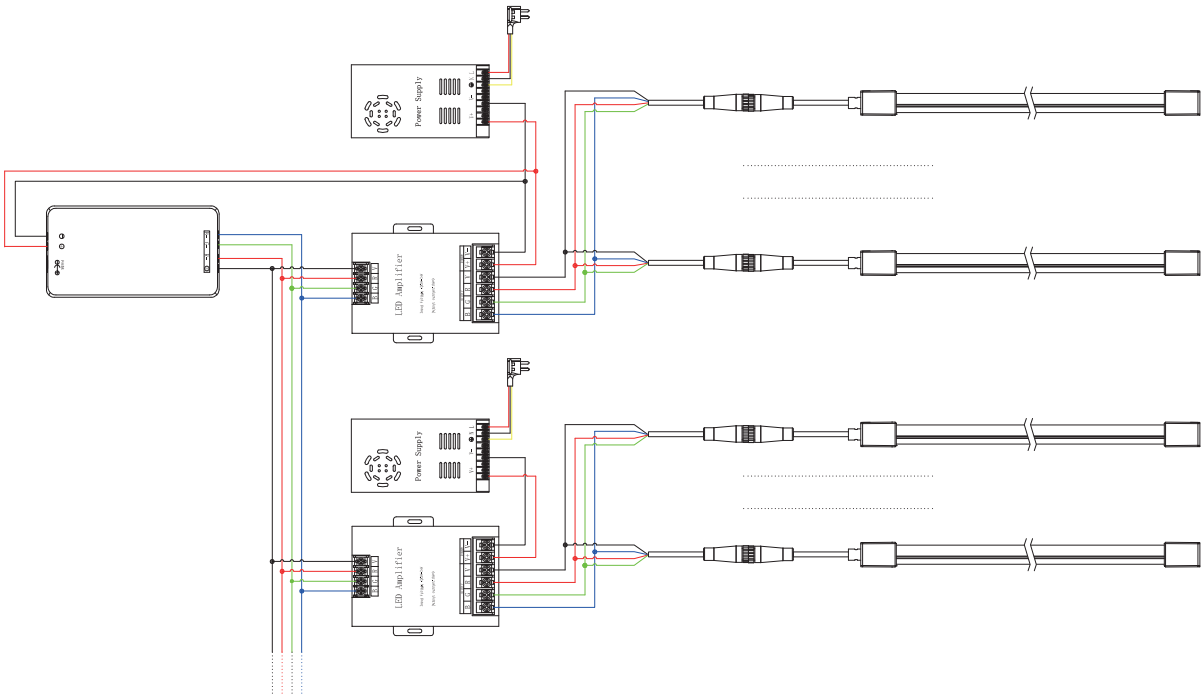
Prohibit trample

Small Angle bending is prohibited

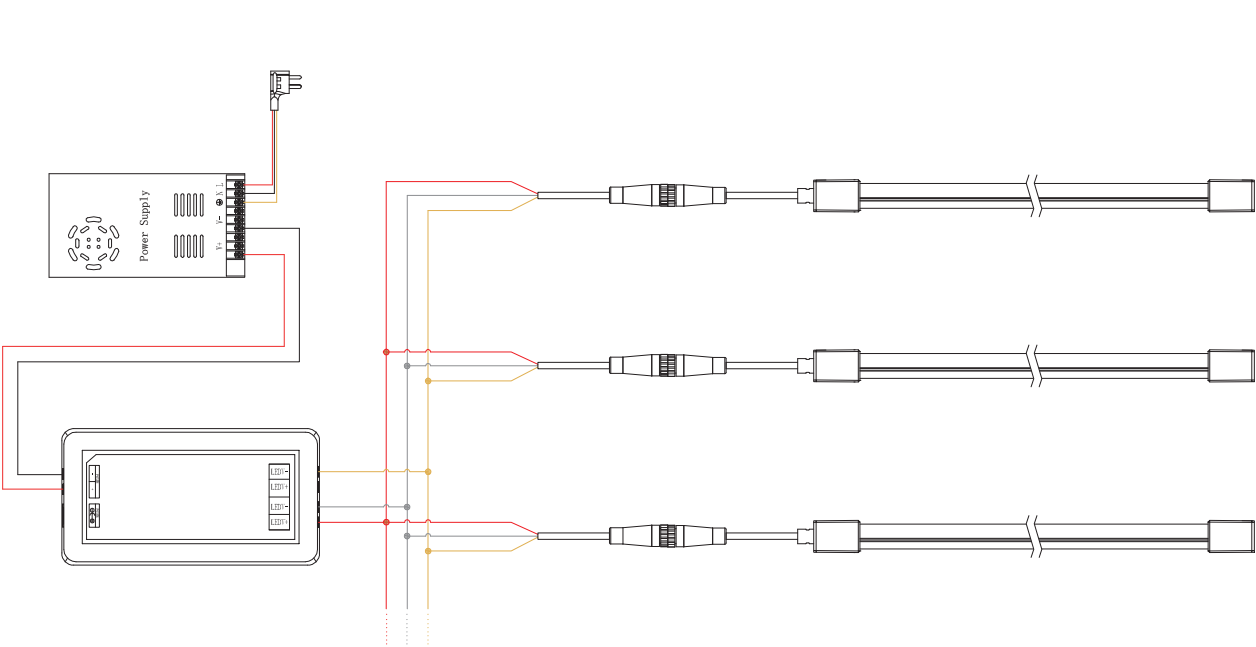
Single Color Connection Diagram



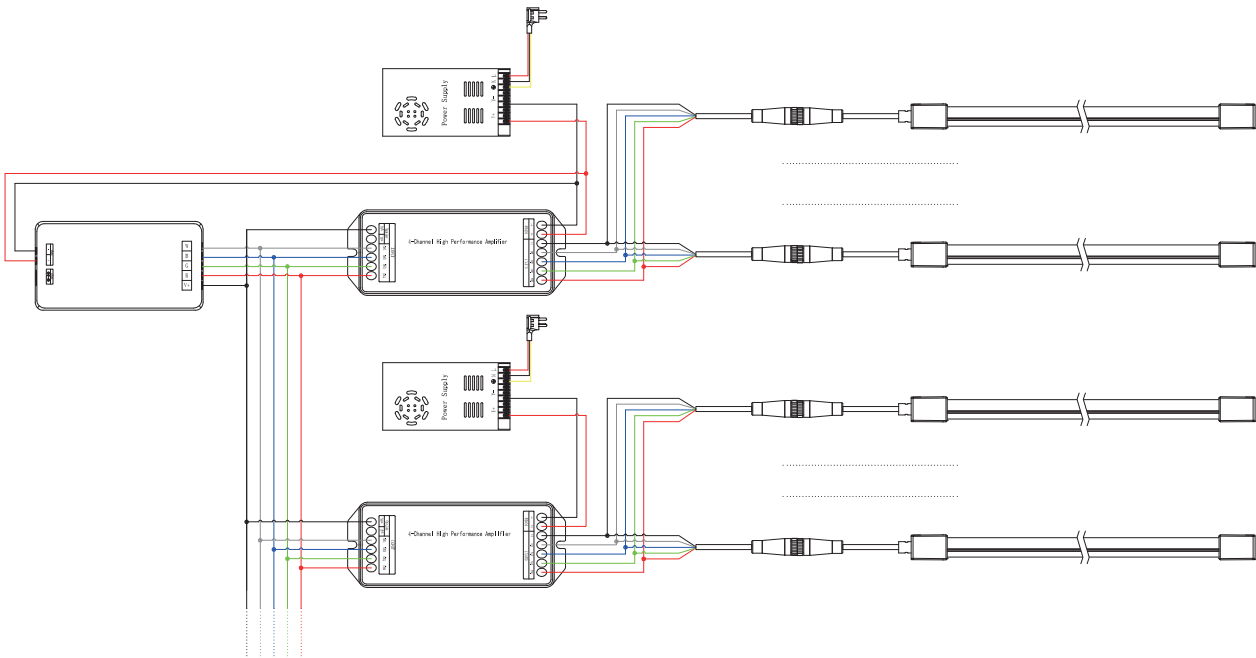
RGB Connection Diagram

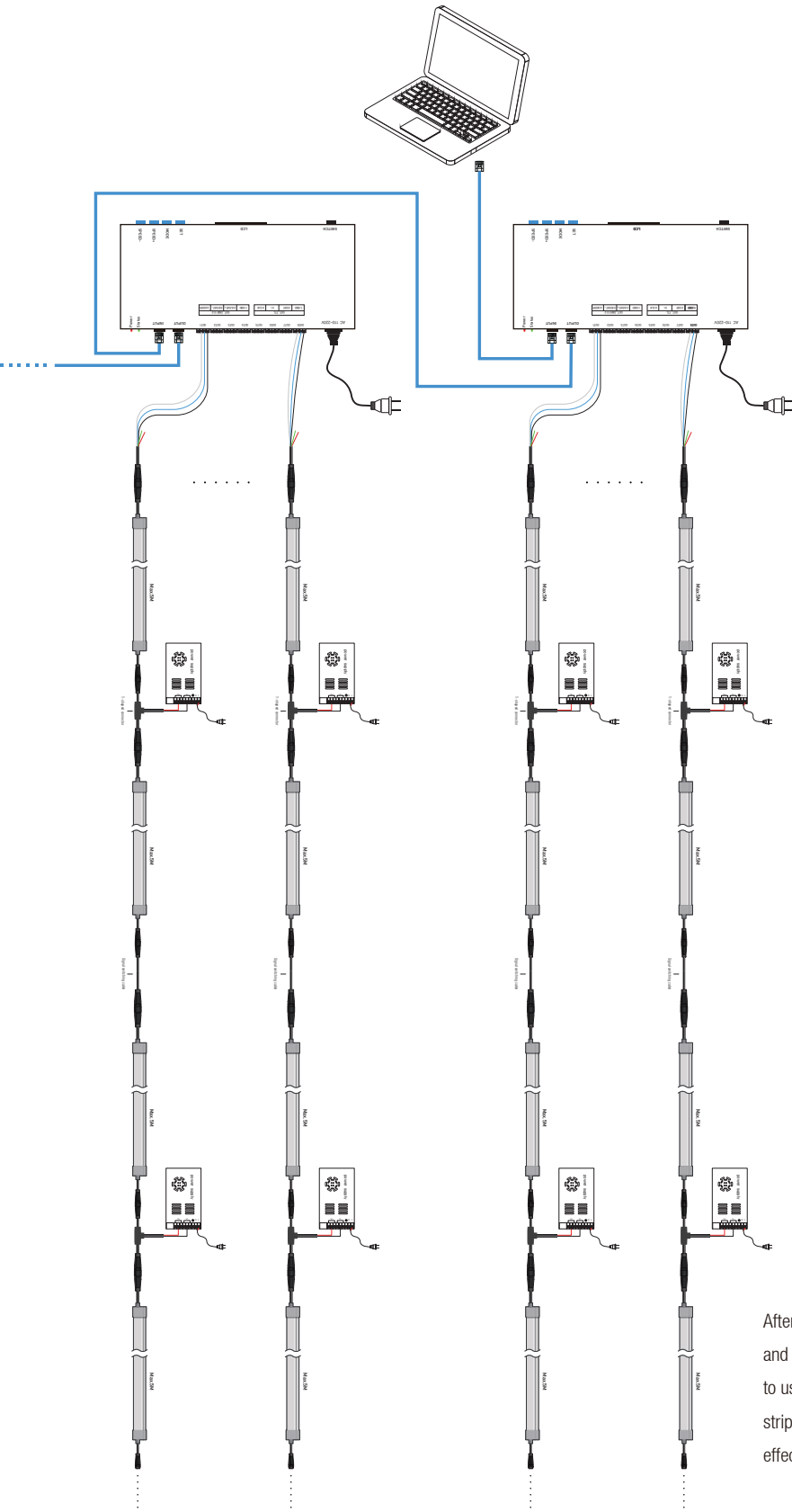


Tunable white Connection Diagram



RGBW Connection Diagram





After the led strip is connected to the signal wire and power supply wire correctly, It is necessary to use a controller or corder to address the led strip ,then the controller can run the control effect program.

