



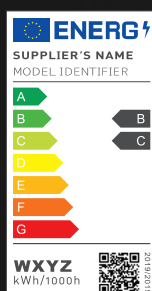
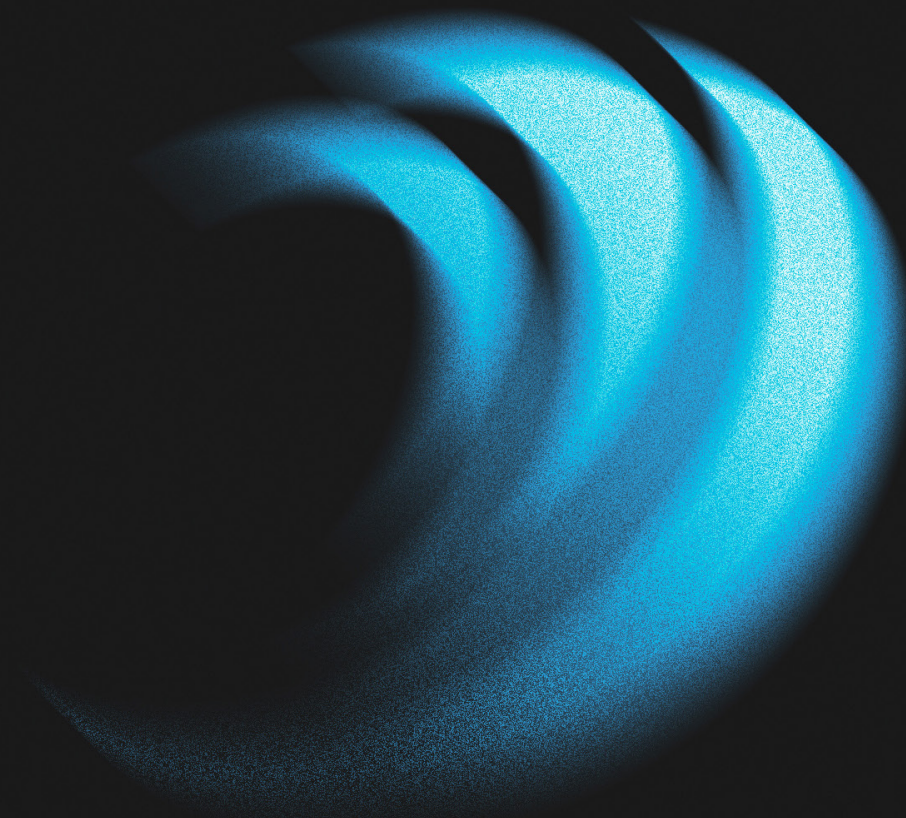
LED

STRIP LIGHT

DC 24V

Curve Strip

TSN-x-x-CC36





TSN-x-x-CC36-x (Multiple colors)

Curve Strip

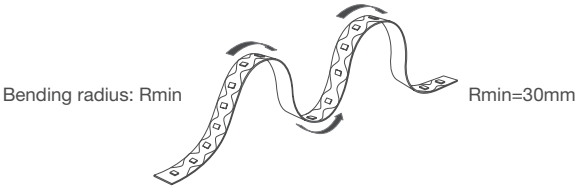
FEATURES

- Constant current design, s-type strip
- Support external control for color mixing or alternating effects.
- Flexible and cuttable.
- LED brand Bridgelux.
- Multiple specifications, support customization.



DIMENSION

Working voltage: DC25-36V	Tape IP: IP20
Ra: >90	Warranty: 5years
Rated power: \	Working temperature: -20~+50°C
Power error range: ±10%	Storage temperature: -20~+70°C



OPTICAL & ELECTRICAL PARAMETERS

Model No.	Voltage(DC V)	Ra	Color	CCT/Color Available	Lm/ft	Lm/W	DC A/ft	W/ft
TSN-F2835P-320-CC36-WN	32.2	>90	W	2700K	1390	C 180	0.24	7.72
			N	6500K	1450	B 188		
TSN-52-160-CC36-RGBW	32.0	\	R	620-625nm	130	68	0.06	1.92
	33.9	\	G	525-530nm	240	120	0.06	2.03
	32.6	\	B	465-470nm	39	20	0.06	1.95
	33.0	>90	W	3500K	1070	C 180	0.18	5.95

OTHER PARAMETERS

Model No.	LED Qty (pcs/m)	Standard Packing Length (mm)	Max Run (m)	Min. Cutting Unit (mm)	LED Pitch (mm)
TSN-F2835P-320-CC36-WN	320	5000	2	25.4	12.7
TSN-52-160-CC36-RGBW	160	5000	6	50.8	12.7

NOTE:

Test environment temperature is 25±2°C.

The above data was measured under standard conditions and actual data may be different. We would update data without further notice.

Constant current design.Parameters are based on rated current; values vary with other currents.

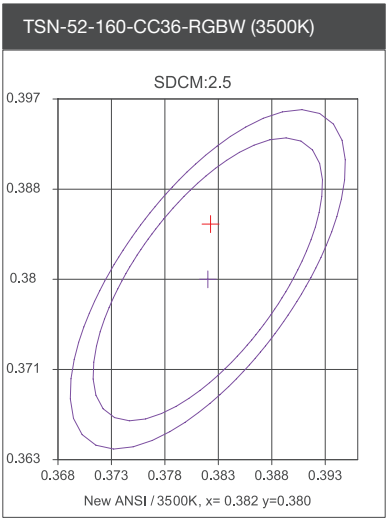
If the selected LED chip is different, the color temperature and luminous flux will change accordingly.

Typical luminous flux and power error are ± 10%.

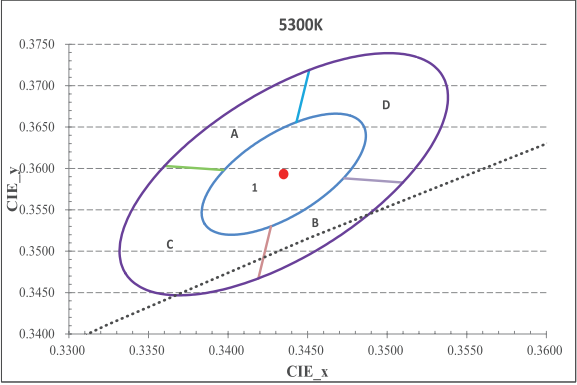
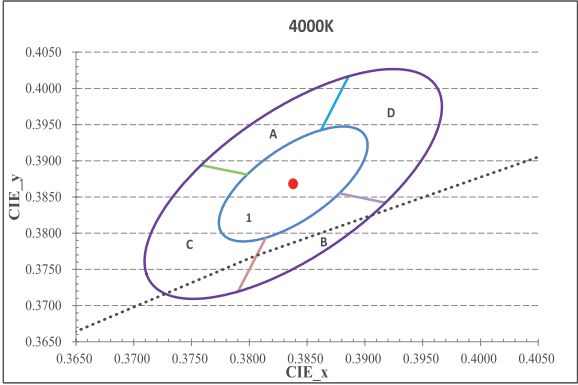
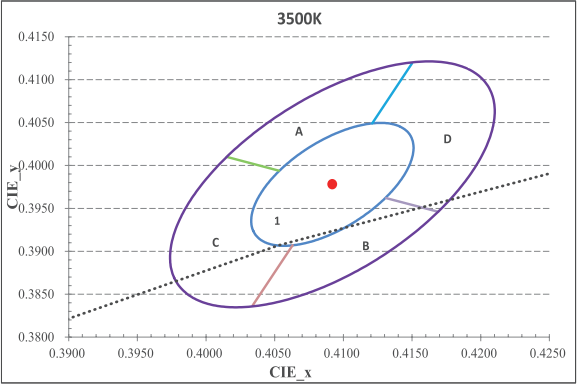
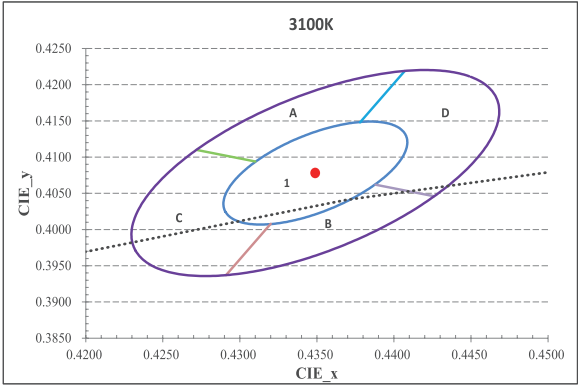
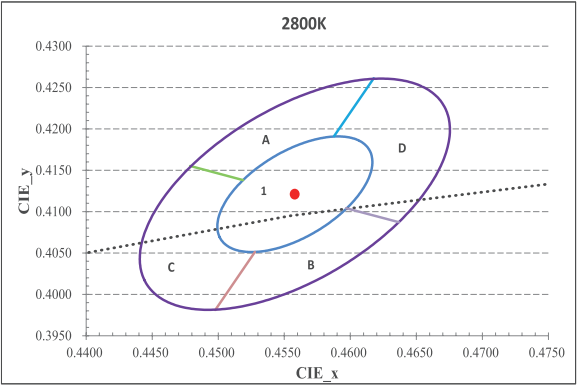
Max run is based on one end power feed

If the power is greater than 14W, auxiliary heat dissipation appliances must be added.

IP Process	Picture	Picture description
N ▶	LED IP20	Non-Waterproof(N)
WP ▶	LED IP64	Spray Glue Coated(WP)



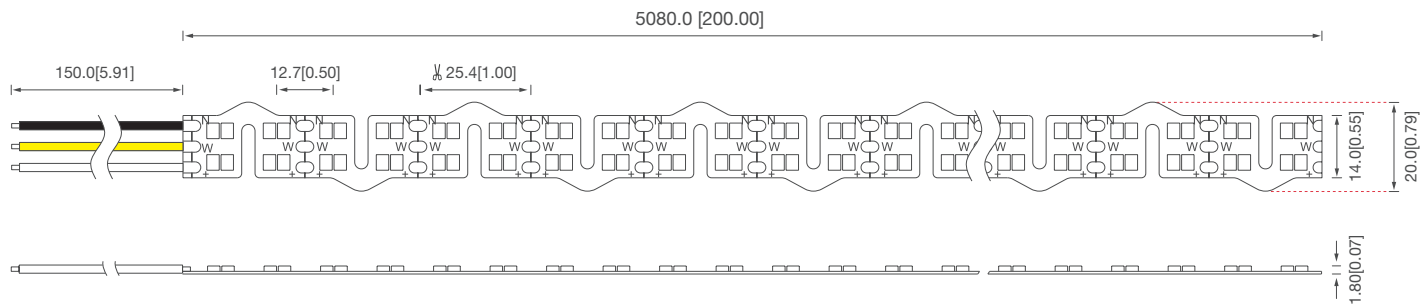
Color Temperature BIN



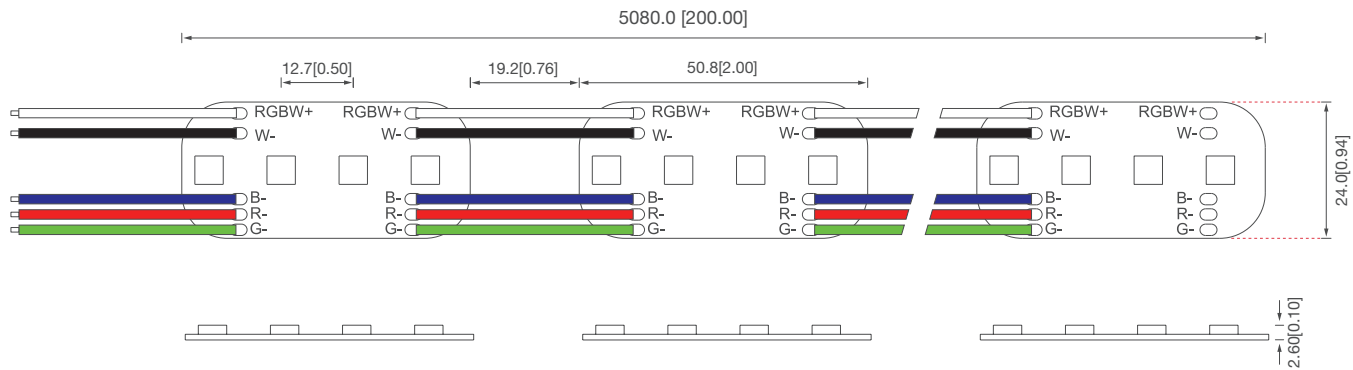
PROFILE DRAWINGS

Unit: mm [inch]

TSN-F2835P-320-CC36-WN

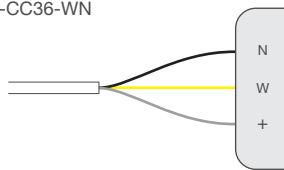


TSN-52-160-CC36-RGBW

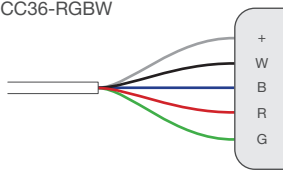


Wiring Diagram

TSN-F2835P-320-CC36-WN

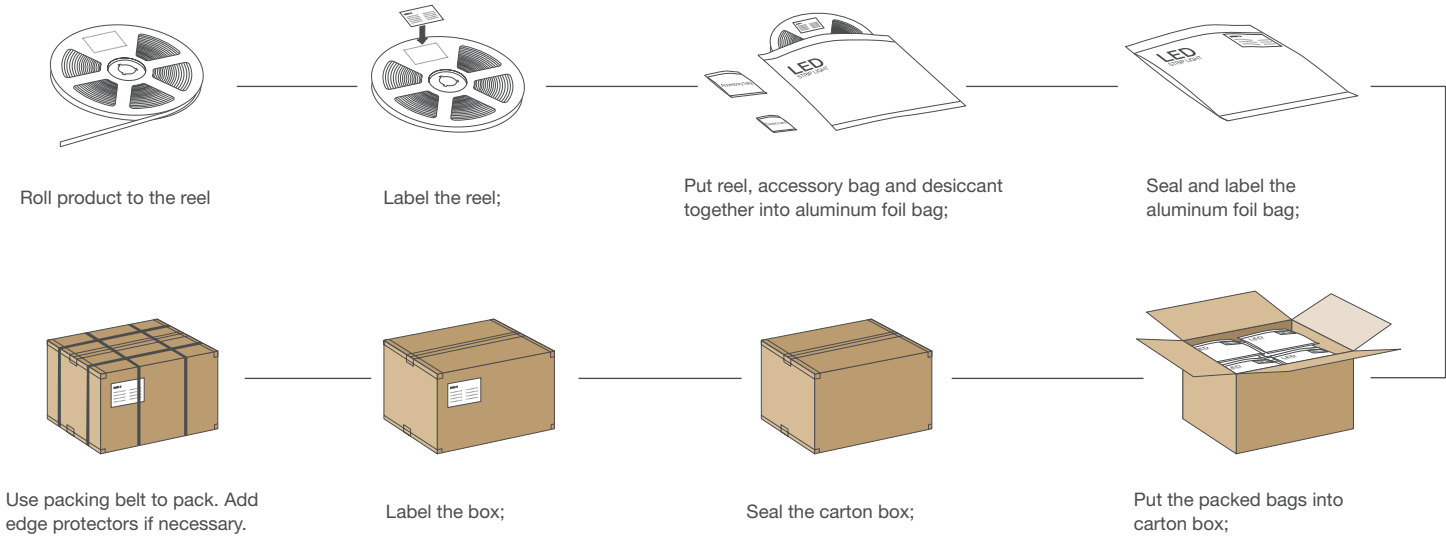


TSN-52-160-CC36-RGBW



Note: the white wire is shown in gray.

PACKAGING INFORMATION



Model No.	Product Size L*W (mm)	Carton Size (mm)	Meter/Reel	Reel/Carton	Net Weight (kg)	Gross Weight (kg)
TSN-F2835P-320-CC36-WN	5080*20	550*400*340	5.08	50	7.73(1±10%)	12.05(1±10%)
TSN-52-160-CC36-RGBW	5080*24	550*400*340	5.08	50	8.95(1±10%)	13.35(1±10%)

Note:

The above-mentioned packaging quantity and weight are only for the illustrated packaging method. For other packaging methods, the packaging quantity and weight will be different. The actual weight is subject to the actual product.

INSTALLATION TOOLS



LED power supply



Diagonal pliers



Screw



Insulation Tape



Clips




Electric drill



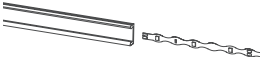
Electric iron

INSTALLATION METHODS AND STEPS


Aluminum channel installation




Peel away the self adhesive tape on the back of strip.



Cut off the excess part based on the installation position.



Evenly arrange the strips with appropriate space in the track.

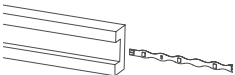


Install the cover and end cap.

Covered channel installation



Peel away the self adhesive tape on the back of strip.



Cut off the excess part based on the installation position.



Evenly arrange the strips with appropriate space in the track and fix them with clips.

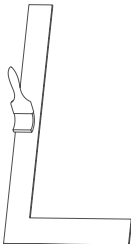


Install the cover and end cap.




Finished.

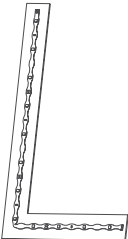
Backplate-mounted illuminated letters



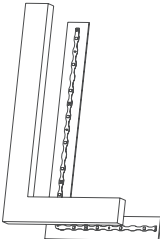
Clean the mounting backplate.



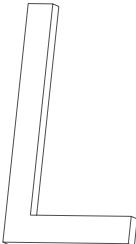
Peel away the self adhesive tape



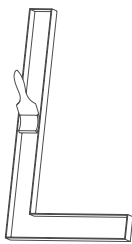
Install the strip to the mounting backplate.



Install the cover.



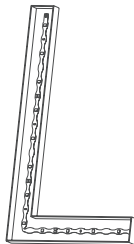
Finished.



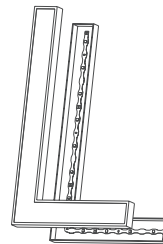
Clean the mounting groove.



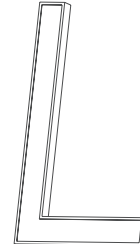
Peel away the self adhesive tape.



Install the strip to the mounting groove.

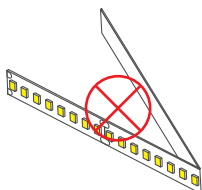


Install the cover.

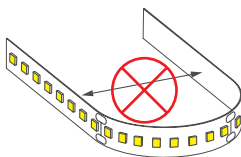


Finished.

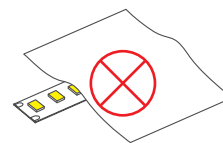
Warning Mark



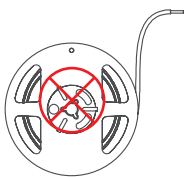
Do not fold the LED strip



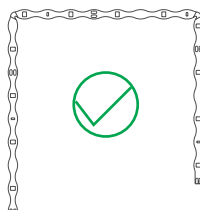
Can not bend less than min bending diameter.



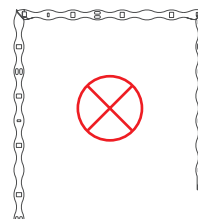
Do not cover the LED strip



Do not light on the LED strip when it is on the reel

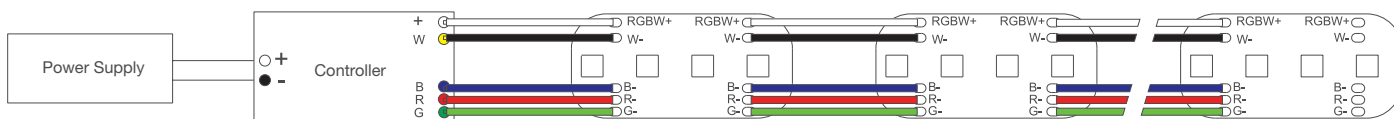
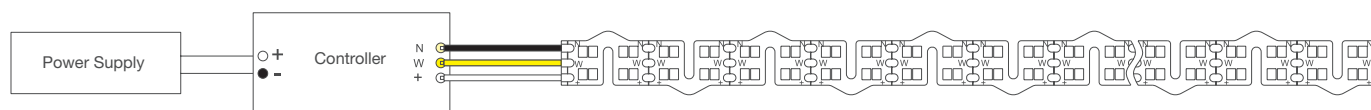


Bend around component locations.



Do not bend at component positions.

CONNECTION DIAGRAM OF CONTROLLER



ATTENTIONS BEFORE INSTALLATION

- Before installation, please check whether the parameters of the product are consistent with the requirements (Seeing the Product Specification or Label).
- The voltage, current, and power of the power supply and load used must be consistent with this product.
- Follow the instructions of wiring diagram (first connect the load and then the power supply) to avoid short circuit.
- Product wires must be correctly connected to the positive and negative terminals of the power output, otherwise the light will not turn on.
- The power cord should be tightly screwed into the terminal, with a recommended tightness that cannot be pulled out by hand.
- The connection terminals must be effectively waterproof and corrosion-resistant.
- If the installation length exceeds the maximum run length, extra power feed is needed.
- Auxiliary heat dissipation appliances must be added when the current of single LED exceeds regular value.

WARNING

- Do not disassemble or retrofit the light. Do not touch the surface of the light with a sharp object.
- Do not do live-line working during installation,especially for high voltage product.
- Do not use any organic chemical solvents.
- Use neutral glass adhesive to fix this product and it needs to be dried 4 hours in the open environment after operation.
- Treat the ends and the circuit connection points that are not connected to the main line with insulation,waterproof, and anti-corrosion in the installation.
- Use 18AWG (0.75mm² cross-sectional area) or thicker core wire to avoid adverse consequences caused by overheating, if the power cable need to lengthen.
- Make sure the input voltage meets the requirements and lines are connected correctly before lighting on.
- This product is for signage, and do not use as general lighting.
- Series connection within the max run.
- The length of the power cable between the power supply and the led strip should not exceed 2 meters.Otherwise, large circuit loss will lead to inconsistent brightness.
- Installation, maintenance and repair should be operated by a qualified technician.

Version	Content	Date
A1.0	First release	2025-11-4

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