

Product Specification

SMD LV Strip

POP 2835 24V 320 LEDs/m
Single color

WW-FLS102T23XW320B-24(WCP)(18)-XR-CV-HE
&
WW-FLS102T23XW320B-24(WCP)(18)-XR-CV-HE-EP

Apply to ERP Regulation (EU) 2019/2020



HK Office :

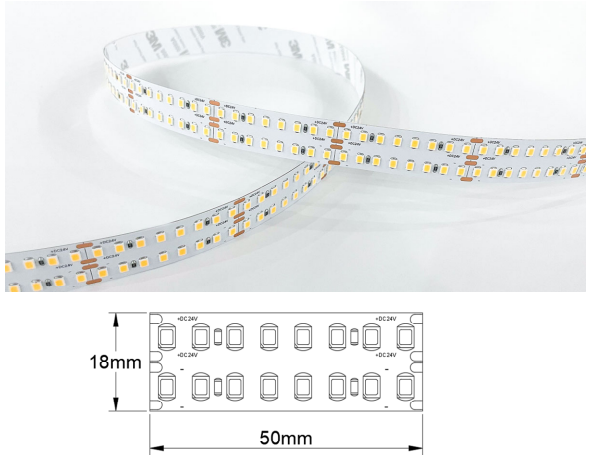
Unit 1901, 19th Floor, NanYang Plaza, No. 57 Hung To Road
Kwun Tong, Kowloon, Hong Kong



Tel : (852) 3152 3059 (10 lines)
Fax : (852) 3152 3039



China Factory :

Zhiyang Science and Technology Park, 10 Zhiyang Road, Zhangge,
Fucheng Street, Longhua District, Shenzhen, Guangdong, China

Tel : (86) 755 8601 9190
Fax : (86) 755 8601 9197

<p>Product Features</p> <ul style="list-style-type: none"> • High quality FPC, authentic 3M tape; • Self-encapsulated design 2835 LED; • Light source lifetime:36K hours(L70); • Meet (EU)2019/2020 ErP regulations. • Min.BendingDiameter:Φ60mm • Max. length(M): 5M 	
<p>Technology info</p> <ul style="list-style-type: none"> • Lighting Technology: LED • DLS or NDLS: NDLS • MLS or NMLS: NMLS 	<p>Certification Standards</p> <ul style="list-style-type: none"> • EN55015 • EN61547 • EN60598-1 • EN60598-2-20 • EN62493 • EN62471

<p>Non-ErP Waterproof Type</p>	 
	<p>Naked Strip</p>
	<p>5 Years Warranty</p>

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WW-FLS102T23XW320B-24(WCP)(18)-XR-CV-HE

Parameters

IP Grade	Model NO.	CRI (Ra)	Rf	Rg	Typical Power (W/M)	Max. Power (W/M)	Color	LED Color Temp.(K) Wavelength(nm)*	3SDCM LED Color Temp.(K) Wavelength(nm)*	Typ. Luminous Flux LM/M(39.37in)	Rated voltage
B 20	WW-FLS102T23XW320B-24(WCP)(18)-HR-CV-HE	80	82	96	17.5	19.25	Warm White	2600-2900K	2650-2770K	2570	DC 24V
							Warm White	2900-3200K	2960-3110K	2710	
							Natural White	3700-4250K	3840-4080K	2900	
							Standard White	5700-6500K	5800-6250K	2780	
	WW-FLS102T23XW320B-24(WCP)(18)-UR-CV-HE	90	92	100	17.5	19.25	Warm White	2600-2900K	2650-2770K	2120	DC 24V
							Warm White	2900-3200K	2960-3110K	2240	
							Natural White	3700-4250K	3840-4080K	2250	
							Standard White	5700-6500K	5800-6250K	2470	

Remarks:

- *The above color temperature is the color temperature of LED source.
- ** Indicates that SDCM3 is optional in the B type strip, and the suffix "-3S" needs to be added at the end of the product model No.
- The typ. Luminous flux tolerance range is ±10% (subject to the manufacturer's instrument test).

Test condition of above technical data:

- Surrounding temperature: 26°C.
- Test while turning on.

**WW-FLS102T23XW320B-24(WCP)(18)-XR-CV-HE-EP
Parameters for Erp**

IP Grade	Model NO.	CRI (Ra)	Rf	Rg	Typical Power (W/M)	Max. Power (W/M)	Color	LED Color Temp.(K) Wavelength(nm)*	Luminous Flux LM/M(39.37')	Lumen/watt	Energy Efficiency class	Rated voltage
B 20	WW-FLS102T23XW320B-24(WCP)(18)-HR-CV-HE-EP	80	82	96	19.20	21.12	Warm White	2700K	2803	146	D	DC 24V
							Warm White	3000K	2954	154	D	
							Natural White	4000K	3115	162	C	
							Standard White	6000K	3040	158	D	
	WW-FLS102T23XW320B-24(WCP)(18)-UR-CV-HE-EP	90	92	100	19.20	21.12	Warm White	2700K	2307	120	E	DC 24V
							Warm White	3000K	2479	129	E	
							Natural White	4000K	2469	129	E	
							Standard White	6000K	2673	139	D	

Remarks:

- *The above color temperature is the color temperature of LED source.

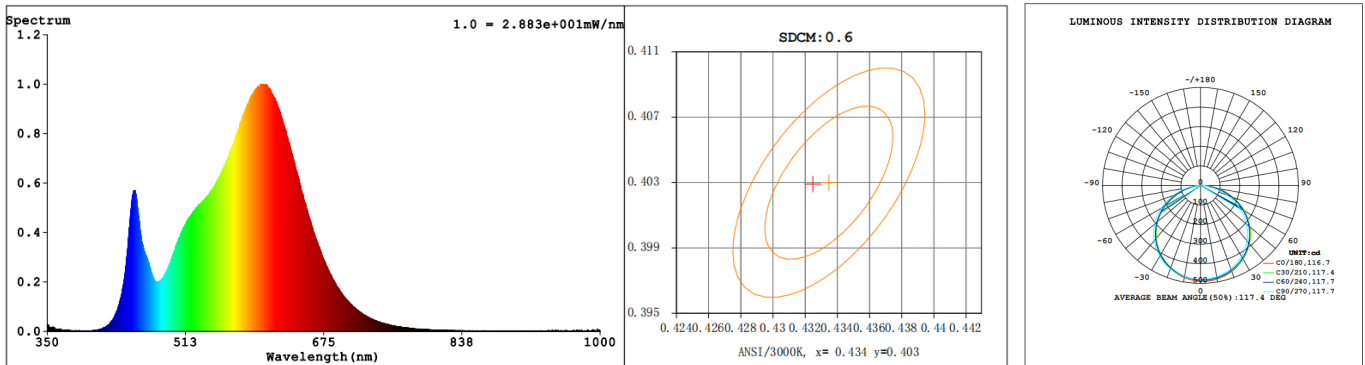
Test condition of above technical data:

- Surrounding temperature: 26 °C.
- Test after 10 mins turned on.

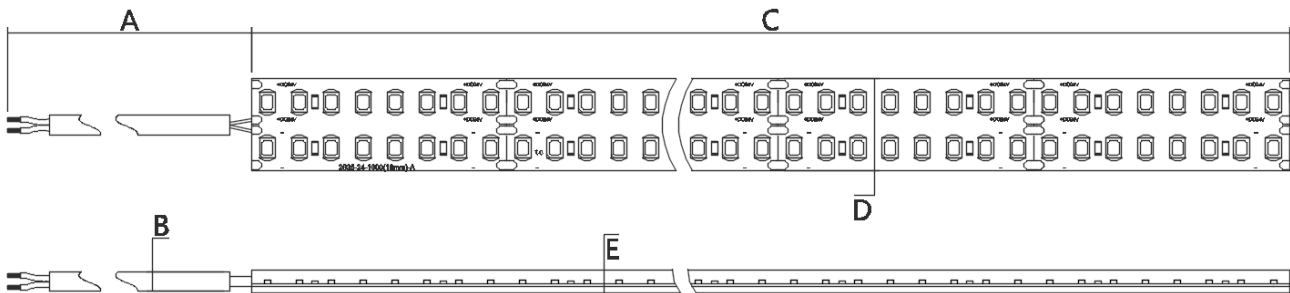
ErP Note:

- According to the new ErP 2019/2020 regulation for each 0.5m or nearest 0.5m strip, the following requirements must be met:
- Measured power ≤ Pon +5% ;
- Measured lumen ≥Useful luminous flux -10%;
- Measured CRI ≥ Declared CRI-2
- The above technical data, including typical power are based on the test of 0.5m.

Optical Test Diagram

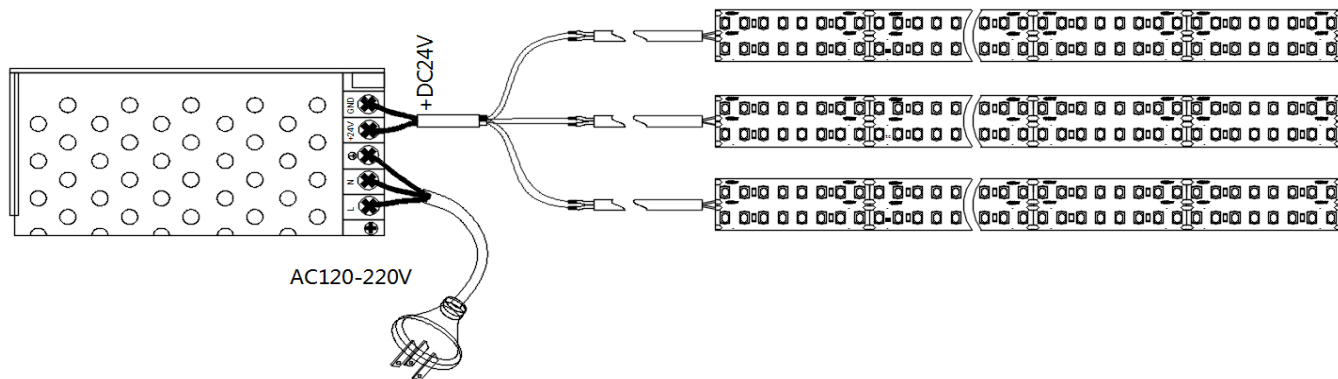


Dimension Drawing

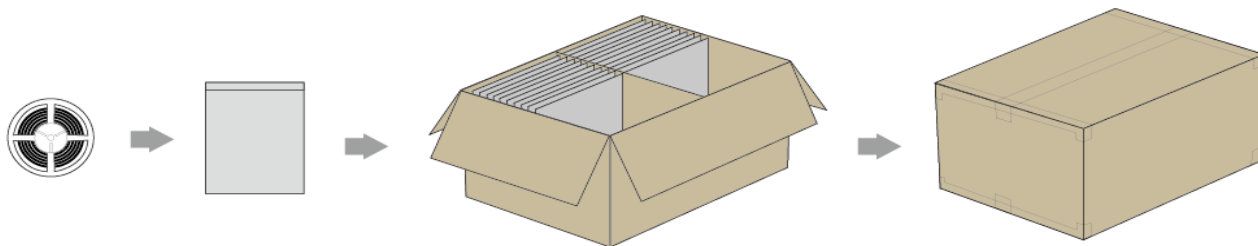


IP Grade	A	B	C	D	E	F	G	H	I
	Cable Length	cable diameter	Strip length	Strip width	Strip thickness	Front cap length	End cap length	Cap width	Cap thickness
E 20	300±10mm	Φ6.0±0.2mm	5000±50mm	18±0.5mm	1.2±0.5mm	/	/	/	/
	11.81±0.39in	0.24±0.01in	196.85±1.97in	0.71±0.02in	0.05±0.02in	/	/	/	/

Circuit Diagram



Packaging Diagram













Packaging information

















IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
B20	270*300*0.14mm	/	/	520*370*300mm	24	4.88KG ±10%	7.55KG ±10%	0.0577m3
	10.63*11.81*0.0056 in	/	/	20.47*14.57*11.81 in	24	10.76Lbs ±10%	16.64Lbs ±10%	2.038ft3


Remarks :


- Please contact our sales manager for customized package (color box, blister etc.)


 **Cautions**

IP20	IP54	IP65	IP67	IP68
 Do not press the surface of LED	 Pay attention to high temperature environment	 Do not use in strong water waves environment	 Resist strong water waves impact	 Can apply to underwater do not deeper than 1m
 Pay attention to damp-proof and dustproof	 Do not apply to rainy environment	 Can be applied to rainy environment	 Do not apply to underwater environment for a long time	 No direct sunlight

 Do not tie a knot	 Do not winding	 Do not twist	 Do not cut when it is working	 Recommended the continuous working time do not exceed 12 hours daily	 Operating temperature -20°C~+45°C (-4°F~+113°F)	 Storage temperature 0°C~+60°C (32°F~+140°F)	 Operated by professionals
 Pay attention to the application environment	 IP Level will change after cutting	 Do not pull and crash	 Connected to power supply every 5 meters	 Power supply must be connected to ground(GND)	 The minimum bending diameter > 60mm	 Power supply retain > 20%	 Note the positive and negative poles

 For cutting LED strip operation, it is necessary to use the standard accessories provided by Dilux (e.g. DC wire, end-cap, front-cap, adhesive, etc.), and according to the correct cutting and connecting method for the installation.

 For avoiding LED get vulcanized, LED strip should be installed in the environment where does not has oil and corrosive substances. Such as these substances which contain Sulphur, Bromine, Iodine and Chlorine. Some other chemical elements which will cause Aromatic hydrocarbons releasing(such as: methylbenzene, xylene, methyl acetoacetate Ethyl acetate etc.).The environment in which includes strong acid and strong base.

 During the warranty period, only defective products are acceptable to be replaced by the factory. Factory is not responsible for other expenses because of replacement, such as transportation fee, installation fee, etc..

**** If you do not follow the above "Cautions" to operate and result in damaging the product, the factory will not accept maintenance and return.**
****The right of final interpretation is owned by Dilux.**