

Product Specification

SMD LV Strip PRO 2835 24V 120 LEDs/M Single color

WW-FLS102T29XW120X-24(WCP)-XR-US

Apply to ERP Regulation (EU) 2019/2020



HK Office :

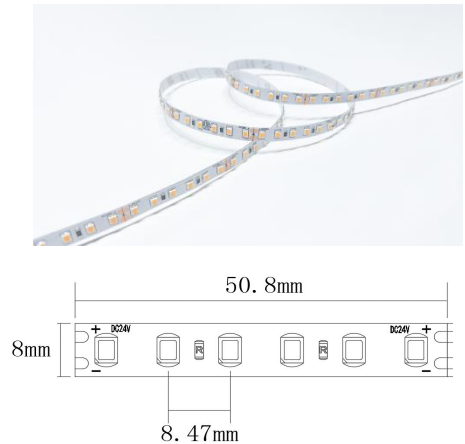
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<p>Product Features</p> <ul style="list-style-type: none"> • High quality FPC, authentic 3M tape; • Self-encapsulated design 2835 LED; • Light source lifetime:50K hours(L70); • Min. Bending Diameter: Φ60mm • Max. length(M): 5.08M(200 in) • LED SDCM≤6 	
<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"> • UL2108:2017 • CSA C22.2 No.250.2

<p>Waterproof Type</p>	 <p>E 20</p>	 <p>F 65</p>	 <p>R 67</p>
	<p>Naked Strip</p>	<p>Silicone Tube</p>	<p>Silicone Extrusion</p>
	<p>5 Years Warranty</p>	<p>5 Years Warranty</p>	<p>5 Years Warranty</p>

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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
E 20	WW-FLS102T29XW120B-24(WCP)-HR-US	80	82	96	16.40	18.04	Warm White	2600-2900K	/	1705	DC 24V
							Warm White	2900-3200K	/	1740	
							Natural White	3700-4250K	/	1890	
							Standard White	5700-6500K	/	1815	
	WW-FLS102T29XW120B-24(WCP)-UR-US	90	90	100	16.40	18.04	Warm White	2600-2900K	/	1385	DC 24V
							Warm White	2900-3200K	/	1495	
							Natural White	3700-4250K	/	1555	
							Standard White	5700-6500K	/	1540	
F 65	WW-FLS102T29XW120F-24(WCP)-HR-US	80	82	96	16.40	18.04	Warm White	2600-2900K	/	1655	DC 24V
							Warm White	2900-3200K	/	1735	
							Natural White	3700-4250K	/	1850	
							Standard White	5700-6500K	/	1795	
	WW-FLS102T29XW120F-24(WCP)-UR-US	90	90	100	16.40	18.04	Warm White	2600-2900K	/	1340	DC 24V
							Warm White	2900-3200K	/	1450	
							Natural White	3700-4250K	/	1525	
							Standard White	5700-6500K	/	1500	
R 67	WW-FLS102T29XW120R-24(WCP)-HR-US	80	82	96	16.40	18.04	Warm White	2600-2900K	/	1640	DC 24V
							Warm White	2900-3200K	/	1705	
							Natural White	3700-4250K	/	1835	
							Standard White	5700-6500K	/	1780	
	WW-FLS102T29XW120R-24(WCP)-UR-US	90	90	100	16.40	18.04	Warm White	2600-2900K	/	1335	DC 24V
							Warm White	2900-3200K	/	1435	
							Natural White	3700-4250K	/	1510	
							Standard White	5700-6500K	/	1495	

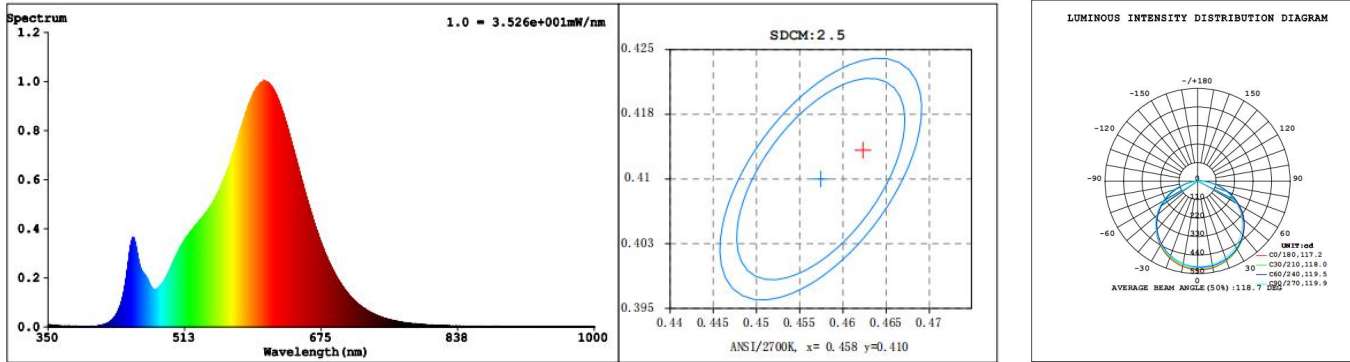
Remarks:

- *The above color temperature is the color temperature of LED source.
- The typ. Luminous flux tolerance range is ±15% (subject to the manufacturer's instrument test).

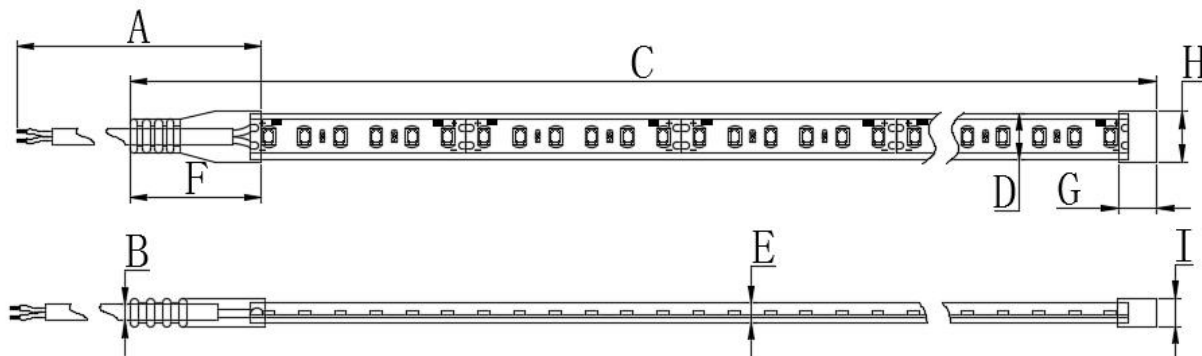
Test condition of above technical data:

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

Optical Test Diagram



Dimension Drawing

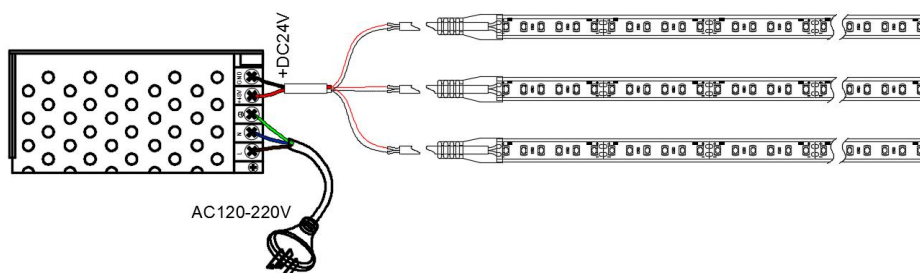


IP Level	A. Power cable length	B. Power cable diameter	C. Strip length	D. Strip width	E. Strip thickness	F. Front cap length	G. End cap length	H. End cap width	I. End cap thickness
B 20	300±10mm	Φ4.0±0.2mm	5080±50mm	8±0.5mm	1.2±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	200±1.97in	0.32±0.02in	0.047±0.02in	/	/	/	/
F 65	300±10mm	Φ4.0±0.2mm	5100±50mm	10±0.5mm	4.0±0.5mm	22.5±0.5mm	10±0.5mm	12.5±0.5mm	6.0±0.5mm
	11.81±0.39in	0.16±0.01in	200.79±1.97in	0.39±0.02in	0.16±0.02in	0.89±0.02in	0.39±0.02in	0.49±0.02in	0.24±0.02in
R 67	300±10mm	Φ6.0±0.2mm	5100±50mm	10±0.5mm	5±0.5mm	30±0.5mm	10±0.5mm	12±0.5mm	6.5±0.5mm
	11.81±0.39in	0.25±0.008 in	200.79±1.97in	0.39±0.02in	0.20±0.02in	1.18±0.02in	0.39±0.02in	0.47±0.02in	0.26±0.02in




Remarks:

- If you need further information, please contact our sales manager.






Circuit Diagram



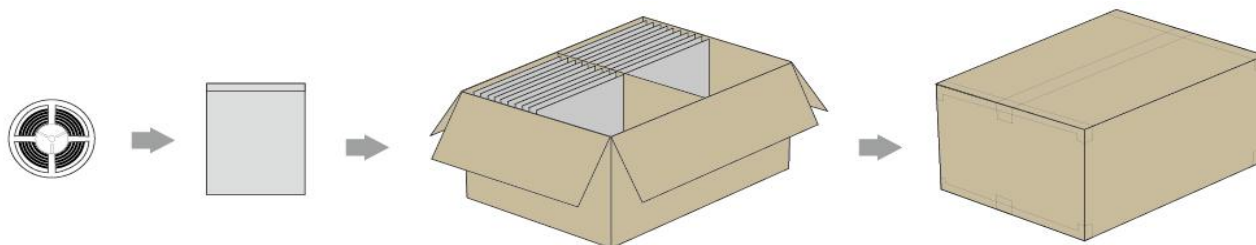
Standard Accessories

IP Level	Category	Description	Picture	Part No.	Application
B 20	/	/	/	/	/
	/	/	/	/	/
F 65	/	/	/	/	/
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
R 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type R
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

Optional Accessories

IP Level	Category	Description	Picture	Part No.	Density
B 20	Strip to wire Connector	2PIN Strip to wire Connector		WW-FLS102B-FS2 (8mm)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102B-DD2(8MM)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		FLS102B-2FD2(8mm)	≤120LEDs/M
F 65	/	/	/	/	/
R 67	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-SW02T-08-300(22)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-SOP2T-08	≤120LEDs/M

Packaging Diagram













Packaging information

















Ingress protection rating	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
E 20	250*270*0.14mm	/	/	440*400 *260mm	60	4.5KG ±10%	9.57 KG ±10%	0.05m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	60	9.92 Lbs ±10%	21.09Lbs ±10%	1.62ft³
F 65	250*270*0.14mm	/	/	440*400 *260mm	40	7.2KG ±10%	10.87KG ±10%	0.05m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	40	15.87Lbs ±10%	23.96Lbs ±10%	1.62ft³
R 67	270*300*0.14mm	/	/	520*370*300mm	36	9.0KG ±10%	14.69KG ±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57*11.81in	36	19.84Lbs ±10%	32.38Lbs ±10%	2.04ft³


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	-20°C~+45°C (-4°F~+113°F)	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.**