

Product Specification

DC Flexible LED Strip

2835 7LEDs/unit Series

2835 Top LED 10mm FPC 280LEDs/M

WW-FLS102T23XW280X-24(WCP)-HR-ME-LD

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WW-FLS102T23XW280X-24(WCP)-HR-ME-EP-LD



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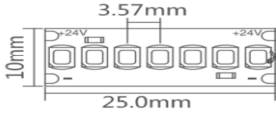
Fax : (852) 3152 3039





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<div><div>Product Features</div><div><ul style="list-style-type: none">• High quality FPC, authentic 3M tape;• Self-encapsulated design 2835 LED;• Light source lifetime:50K hours(L70);• Meet (EU)2019/2020 ErP regulations.• Min. Bending Diameter: Φ60mm• Max. length(M): 5M</div></div>	<div><div></div><div></div></div>
<div><div>Technology info</div><div><ul style="list-style-type: none">• Lighting Technology: LED• DLS or NDLS: NDLS• MLS or NMLS: NMLS</div></div>	<div><div>Certification Standards</div><div><ul style="list-style-type: none">• EN55015:2013+A1• EN61547:2009• EN60598-1:2015• EN60598-2-20:2015• EN62493:2015• EN62471:2008</div></div>

Non-ErP Waterproof Type	
	Naked Strip
	3 Years Warranty

ErP Waterproof Type	
	Naked Strip
	3 Years Warranty

WW-FLS102T23XW280X-24(WCP)-HR-ME-LD

Parameters for non-ErP

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-FLS102T23WW280B-24(WCP)-HR-ME-LD	80	82	96	17.80	19.52	Warm White	2600-2900K	2650-2770K	2120	DC 24V
	WW-FLS102T23WW280B-24(WCP)-HR-ME-LD						Warm White	2900-3200K	2960-3110K	2200	
	WW-FLS102T23NW280B-24(WCP)-HR-ME-LD						Natural White	3700-4250K	3840-4080K	2340	
	WW-FLS102T23SW280B-24(WCP)-HR-ME-LD						Standard White	5700-6500K	5800-6250K	2270	

Remarks:

- * The above color temperature is the color temperature of LED source.
- ** Indicates SDCM<3 model is available, part number will add the suffix "-3S".
- The typ. Luminous flux tolerance range is $\pm 10\%$ (subject to the manufacturer's instrument test).

Test condition of above technical data:

- Surrounding temperature: 26°C.
- Test while turning on.
- The above technical data, including typical power are based on the test of 0.5m.

WW-FLS102T23XX280X-24(WCP)-HR-ME-EP-LD

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
E 20	WW-FLS102T23WW280B-24(WCP)-HR-ME-EP-LD	80	82	96	18.06	19.87	Warm White	2700K	2130	118	E	DC 24V
	WW-FLS102T23WW280B-24(WCP)-HR-ME-EP-LD						Warm White	3000K	2240	124	E	
	WW-FLS102T23NW280B-24(WCP)-HR-ME-EP-LD						Natural White	4000K	2370	131	E	
	WW-FLS102T23SW280B-24(WCP)-HR-ME-EP-LD						Standard White	6000K	2310	128	E	

Remarks:

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

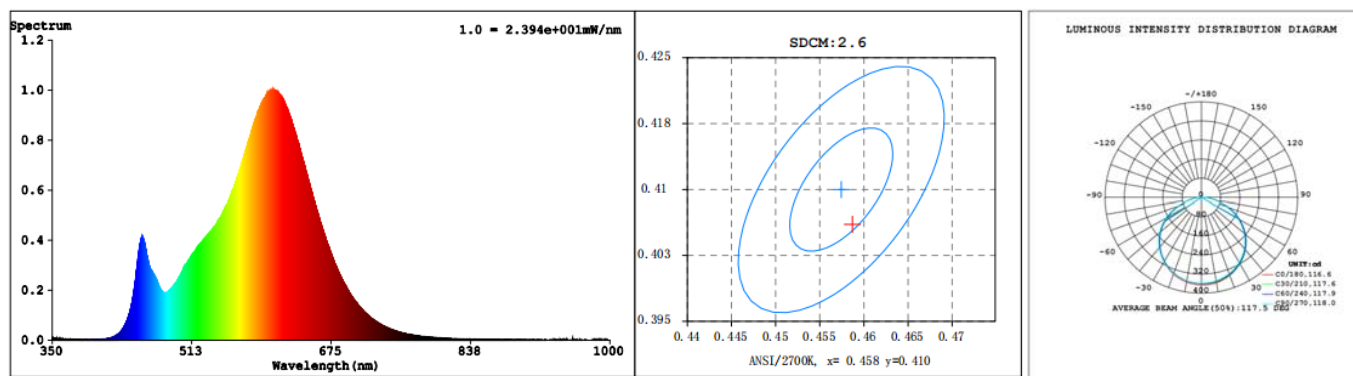
Test condition of above technical data:

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

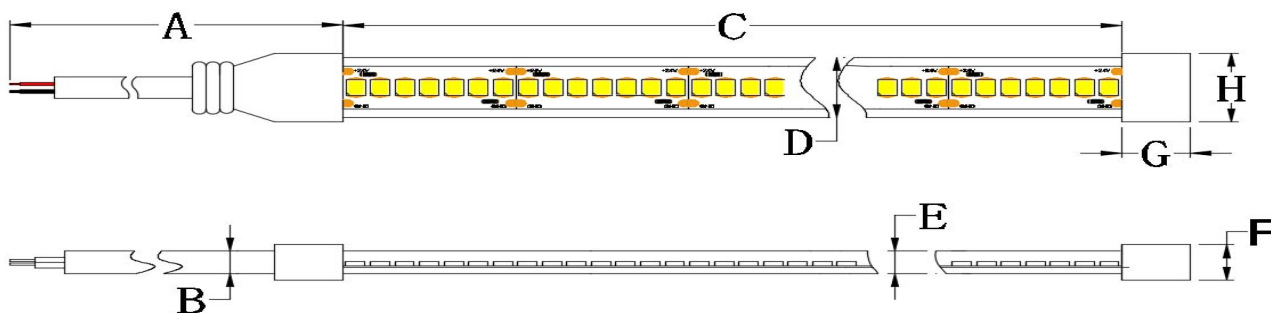
ErP Note:

- 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 \leq Pon +5% ;
- Measured lumen \geq Useful luminous flux -10%;
- Measured CRI \geq Declared CRI-2
- The above technical data, including typical power are based on the test of 0.5m.

Optical Test Diagram



Dimension Drawing

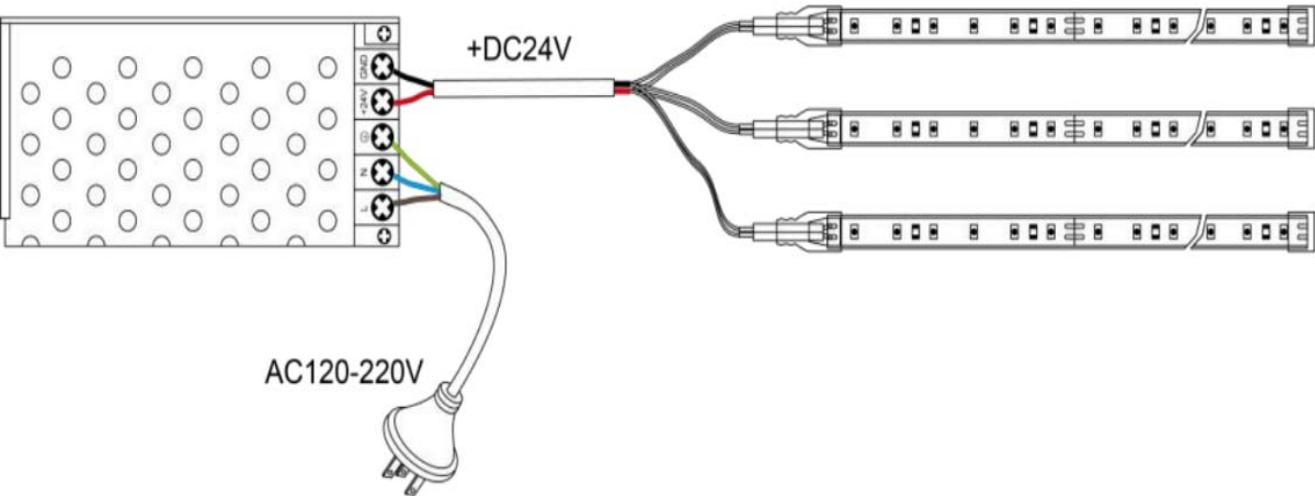


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
E 20	300±10mm	Φ1.8±0.2mm	5000±50mm	10±0.5mm	1.2±0.2mm	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.02in	0.047±0.02in	/	/	/

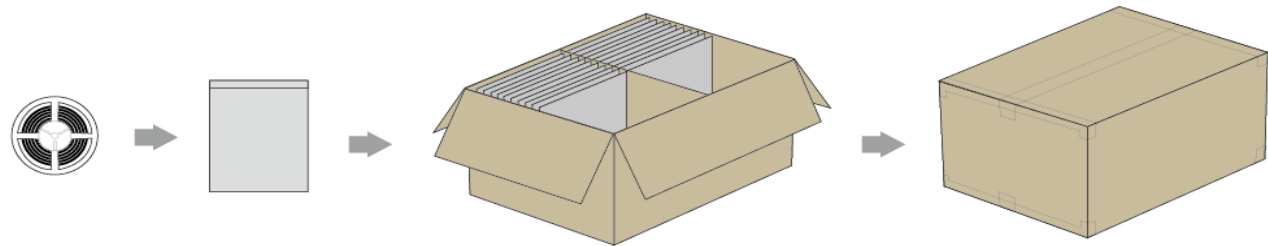
Remarks:

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

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			
IP 20	250*270*0.14mm	/	/	440*400*260mm	50	6.6 KG ±10%	10.85 KG ±10%	0.0458m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	50	14.55 Lbs ±10%	23.92 Lbs ±10%	1.616 ft³

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.