

Product Specification

DC Flexible LED Strip

Ultra Long Series

2835 Top LED 12mm FPC 240LEDs/M

WW-FLS102T28XW240B-48(WCP)-1500-XR-ME-TR
WW-FLS102T28XW240B-48(WCP)-1500-XR-ME-TR-EP



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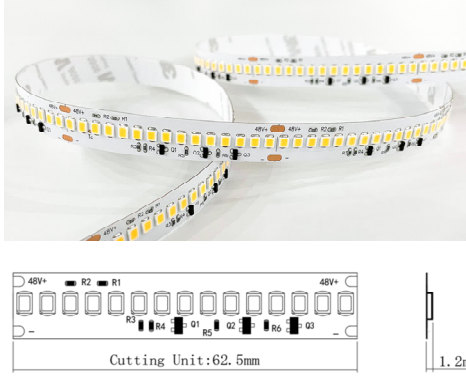
Fax : (852) 3152 3039





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:50K hours(L70); • Min. Bending Diameter: Φ60mm • Max. Run length(M): 15m • Meet EU(2019/2020) ErP Regulation 	
<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>	 E 20
	Naked Strip
	5 Years Warranty

<p>ErP Waterproof Type</p>	 B 20
	Naked Strip
	5 Years Warranty

WW-FLS102T28XW240B-48(WCP)-1500-XR-ME-TR

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-FLS102T28WW240B-48(WCP)-1500-HR-ME-TR	80	82	96	19. 2	21. 12	Warm White	2600-2900K	2650-2770K	2300	DC 48V
	Warm White						2900-3200K	2960-3110K	2370		
	Natural White						3700-4250K	3840-4080K	2470		
	Standard White						5700-6500K	5800-6250K	2430		
	WW-FLS102T28WW240B-48(WCP)-1500-UR-ME-TR	90	96	100	19. 2	21. 12	Warm White	2600-2900K	2650-2770K	1920	DC 48V
	Warm White						2900-3200K	2960-3110K	2050		
	Natural White						3700-4250K	3840-4080K	2050		
	Standard White						5700-6500K	5800-6250K	2150		

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.
- The above technical data, including typical power are based on the test of 0.5m.

WW-FLS102T28XW240B-48(WCP)-1500-XR-ME-TR-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')	Efficiency (Lm/W)	Energy Efficiency Class	Rated voltage
E 20	WW-FLS102T28WW240B-48(WCP)-1500-HR-ME-TR-EP	80	82	96	18	19.8	Warm White	2700K	2090	116	E	DC 48V
	Warm White						3000K	2180	121	E		
	Natural White						4000K	2300	128	E		
	Standard White						6000K	2280	127	E		
	WW-FLS102T28WW240B-48(WCP)-1500-UR-ME-TR-EP	90	96	100	18	19.8	Warm White	2700K	1790	99	F	DC48V
	Warm White						3000K	1880	107	F		
	Natural White						4000K	1880	104	F		
	Standard White						6000K	1970	109	F		

Remarks:

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

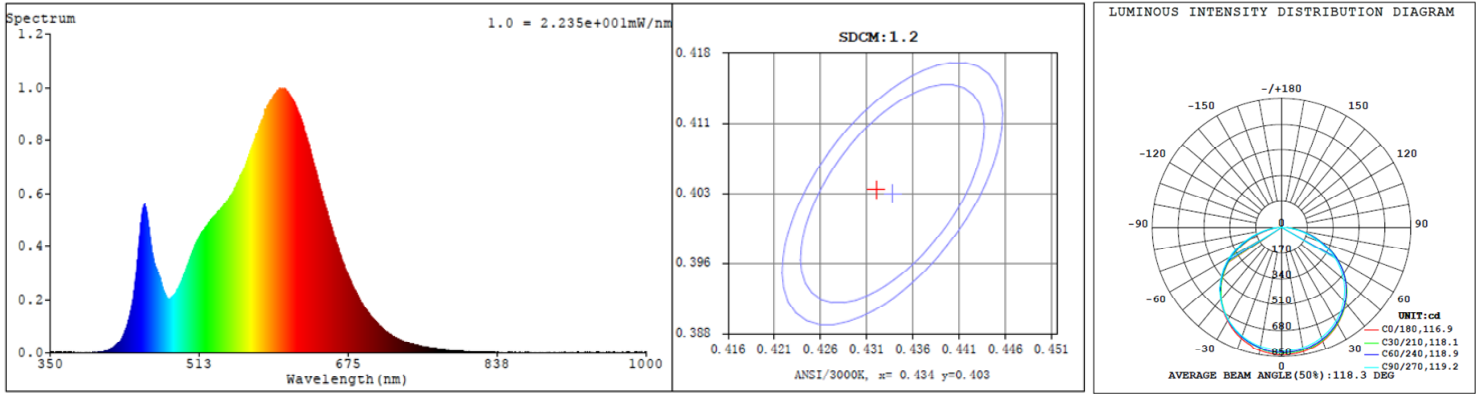
Test condition of above technical data:

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

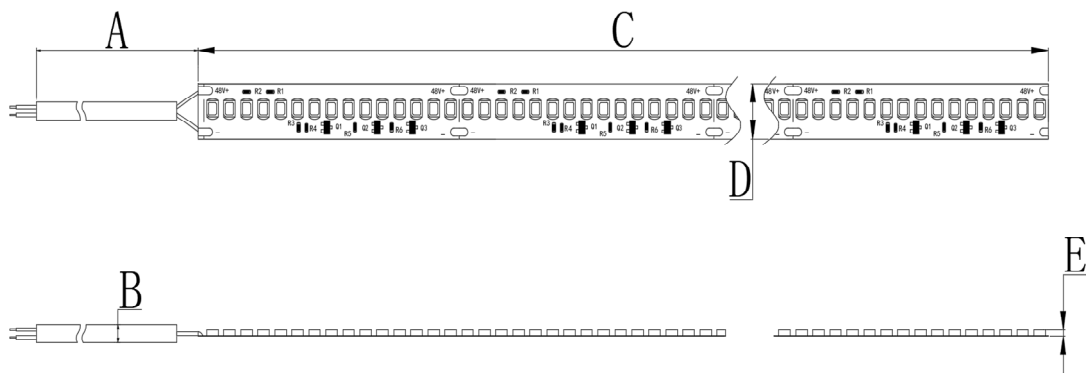
ErP Note:

- 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

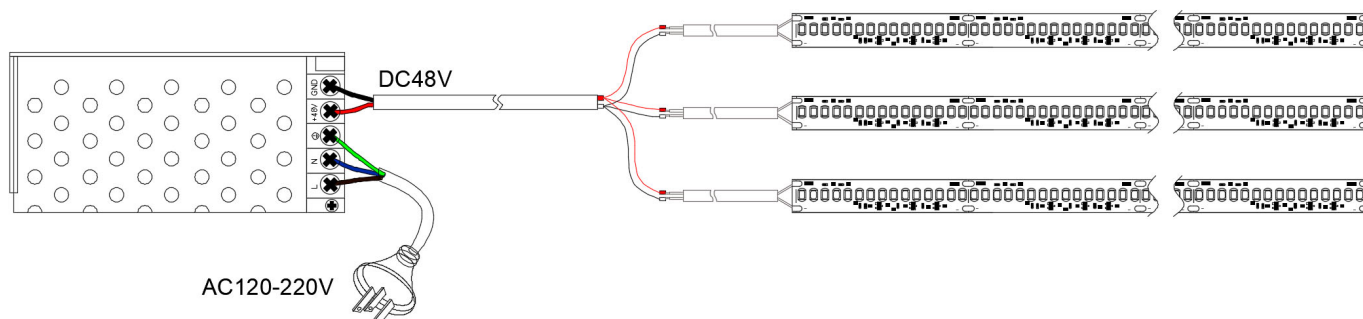


Dimension Drawing

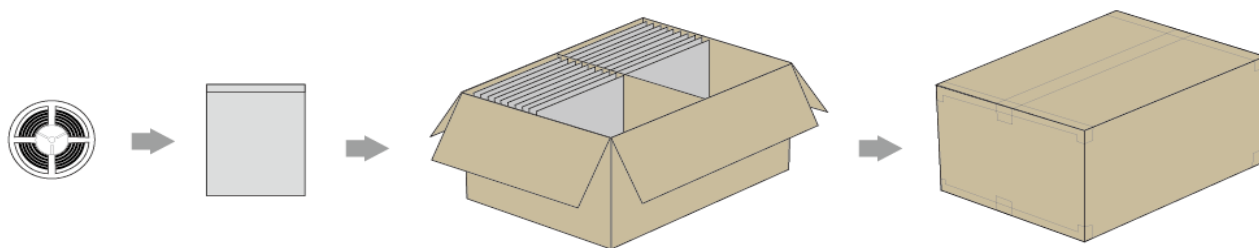


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
B 20	300±10mm	6.0±0.2mm	15000±200mm	12±0.5mm	1.2±0.5mm	/	/	/
	11.81±0.39in	0.236±0.008in	590.55±7.87in	0.47±0.02in	0.047±0.02in	/	/	/

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			
E 20	250×270×0.14mm	/	/	440×400×260mm	50	17.0KG ±10%	20.85 KG ±10%	0.04576m³
	9.84×10.63×0.0055in	/	/	17.32×15.75×10.24in	50	37.48Lbs ±10%	45.97 Lbs ±10%	1.62ft³


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 15 meters	 Power supply must be connected to ground(GND)	 The minium 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.