V2.1

Product Specification

DC Flexible LED Strip

Ultra Long 2835 Series

2835 Top LED 10mm FPC 140LEDs/M

WW-FLS102T23XW140X-24(WCP)-1000-HR-ME-TR-LD
&
WW-FLS102T23XW140X-24(WCP)-1000-HR-ME-TR-EP-LD

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

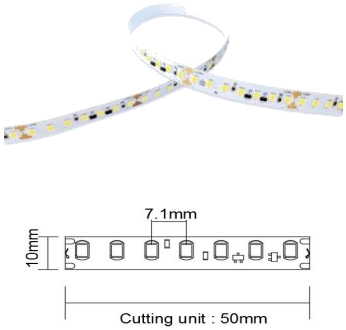
Tel : (852) 3152 3059 (10 lines)
Fax : (852) 3152 3039

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

Product Features

- 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): 10M



Technology info

- Lighting Technology: LED
- DLS or NDLS: NDLS
- MLS or NMLS: NMLS

Certification Standards

- EN55015:2013+A1
- EN61547:2009
- EN60598-1:2015
- EN60598-2-20:2015
- EN62493:2015
- EN62471:2008

Non-ErP Waterproof Type	 B 20	 R 67
	Naked Strip	Silicone Extrusion
	3 Years Warranty	3 Years Warranty

ErP Waterproof Type	B 20	 R 67
	Naked Strip	Silicone Extrusion
	3 Years Warranty	3 Years Warranty

WW-FLS102T23XW140X-24(WCP)-1000-HR-ME-TR-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
B 20	WW-FLS102T23WW140B-24(WCP)-1000-HR-ME-TR-LD	80	82	96	9.90	10.89	Warm White	2600-2900K	2650-2770K	1125	DC 24V
	WW-FLS102T23WW140B-24(WCP)-1000-HR-ME-TR-LD						Warm White	2900-3200K	2960-3110K	1190	
	WW-FLS102T23NW140B-24(WCP)-1000-HR-ME-TR-LD						Natural White	3700-4250K	3840-4080K	1260	
	WW-FLS102T23SW140B-24(WCP)-1000-HR-ME-TR-LD						Standard White	5700-6500K	5800-6250K	1225	
R 67	WW-FLS102T23WW140R-24(WCP)-1000-HR-ME-TR-LD	80	82	96	9.90	10.89	Warm White	2600-2900K	2650-2770K	1080	DC 24V
	WW-FLS102T23WW140R-24(WCP)-1000-HR-ME-TR-LD						Warm White	2900-3200K	2960-3110K	1180	
	WW-FLS102T23NW140R-24(WCP)-1000-HR-ME-TR-LD						Natural White	3700-4250K	3840-4080K	1200	
	WW-FLS102T23SW140R-24(WCP)-1000-HR-ME-TR-LD						Standard White	5700-6500K	5800-6250K	1080	

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 ±10% (subject to the manufacturer's instrument test).

Test condition of above technical data:

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

WW-FLS102T23XW140X-24(WCP)-1000-HR-ME-TR-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
B 20	WW-FLS102T23WW140B-24(WCP)-1000-HR-ME-TR-EP-LD	80	82	96	9.60	10.56	Warm White	2700	990	103	F	DC 24V
	WW-FLS102T23WW140B-24(WCP)-1000-HR-ME-TR-EP-LD						Warm White	3000	1050	109	F	
	WW-FLS102T23NW140B-24(WCP)-1000-HR-ME-TR-EP-LD						Natural White	4000	1110	116	E	
	WW-FLS102T23SW140B-24(WCP)-1000-HR-ME-TR-EP-LD						Standard White	6000	1080	113	E	
R 67	WW-FLS102T23WW140R-24(WCP)-1000-HR-ME-TR-EP-LD				9.60	10.56	Warm White	2700	950	99	F	DC 24V
	WW-FLS102T23WW140R-24(WCP)-1000-HR-ME-TR-EP-LD						Warm White	3000	1050	109	F	
	WW-FLS102T23NW140R-24(WCP)-1000-HR-ME-TR-EP-LD						Natural White	4000	1070	112	E	
	WW-FLS102T23SW140R-24(WCP)-1000-HR-ME-TR-EP-LD						Standard White	6000	1040	108	F	

Remarks:

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

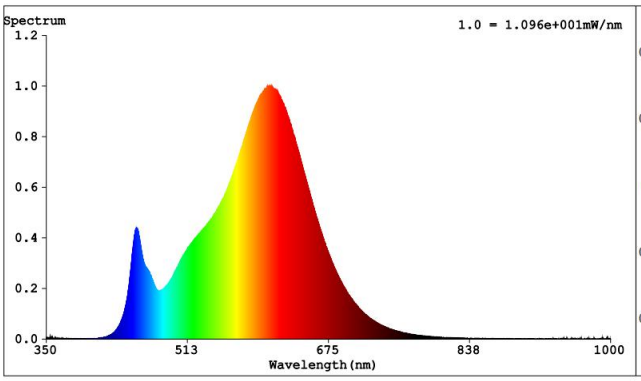
Test condition of above technical data:

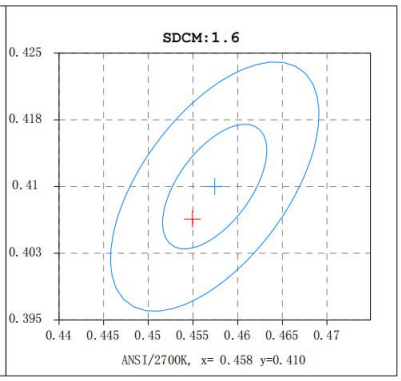
- Surrounding temperature: 26 ℃.
- Test after 10 mins turned on.

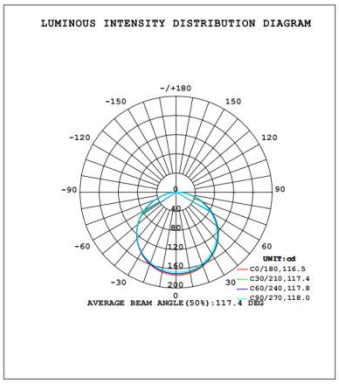
ErP Note:

- 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.

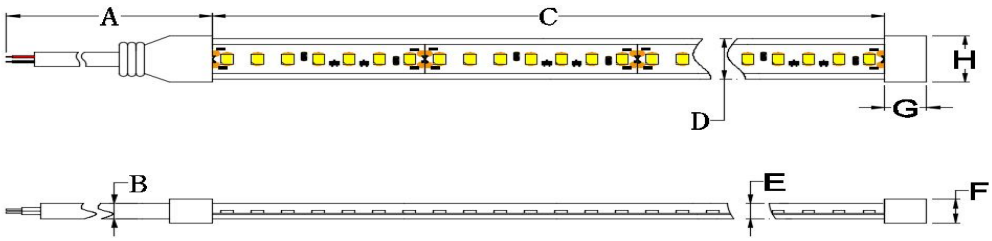
Optical Test Diagram







Dimension Drawing

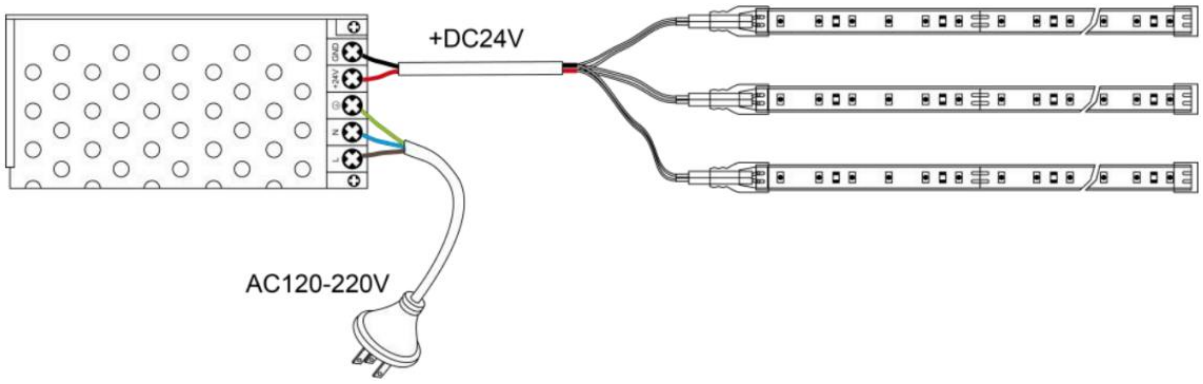


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
B 20	300±10mm	Φ1.8±0.2mm	10,000±50mm	10±0.5mm	1.2±0.2mm	/	/	/
	11.81±0.39in	0.16±0.01in	393.7±1.97in	0.32±0.02in	0.047±0.02in	/	/	/
R 67	300±10mm	Φ6.0±0.2mm	10,020±50mm	12±0.5mm	4.5±0.5mm	7.0±1mm	11±0.5mm	14±0.5mm
	11.81±0.39in	0.236±0.008in	394.5±1.97in	0.39±0.02in	0.20±0.02in	0.28±0.02in	0.43±0.02in	0.47±0.02in

Remarks:

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

Circuit Diagram



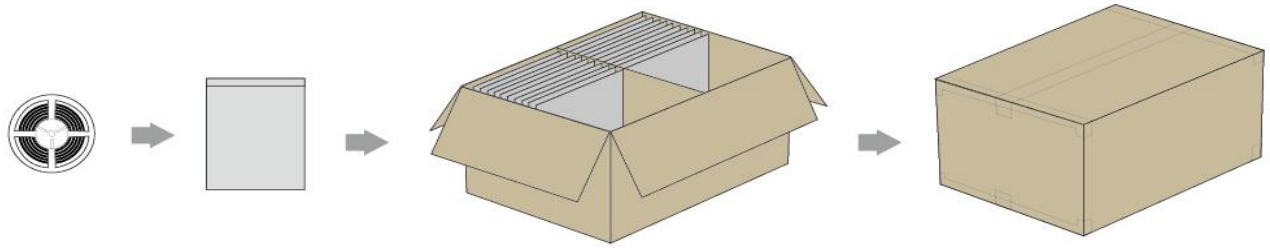
Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
IP20	/	/	/	/	/
	/	/	/	/	/
IP67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW(10mm)	10mm Type R Waterproof strip
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	

Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Application
IP20	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102BPWP-10(10MM)	≤240LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102BPOP-10(10MM)	≤240LEDs/M

Packaging Diagram



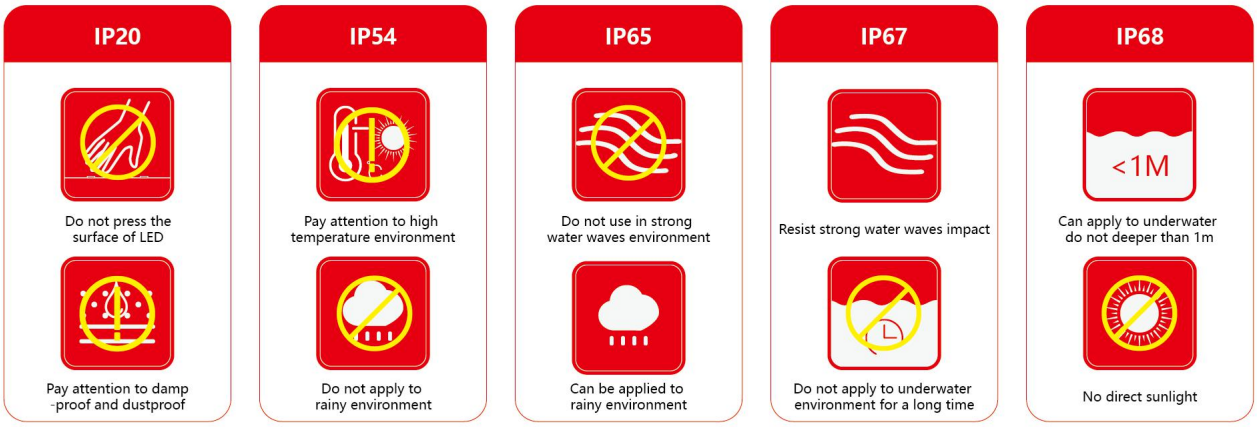
Packaging Diagram

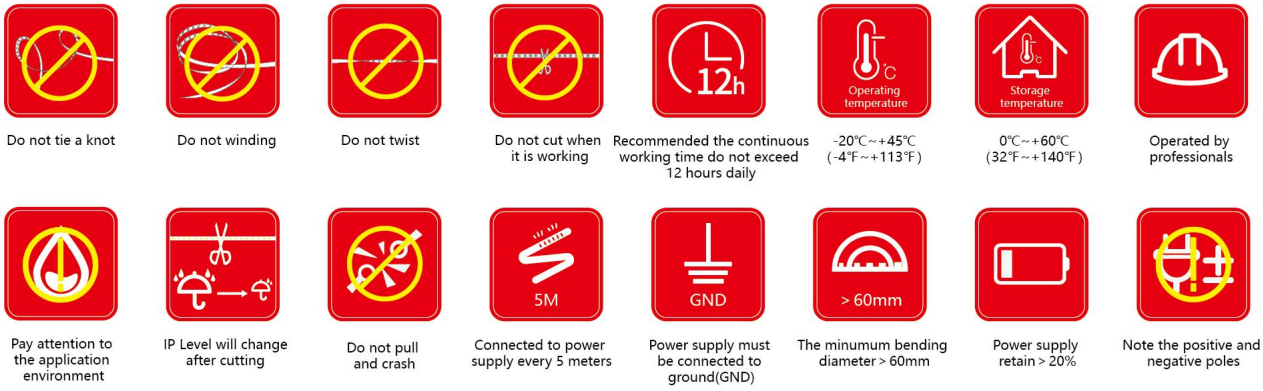
IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
IP 20	250*270*0.14mm	/	/	440*400*260mm	50	9.5 KG ±10%	14.75 KG ±10%	0.0458m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	50	20.94 Lbs ±10%	32.52 Lbs ±10%	1.616 ft³
IP 67	380*350*0.14mm	/	/	330*320*330mm	14	7.7 KG ±10%	13.10 KG ±10%	0.0348m³
	14.96*13.78*0.0056 in	/	/	12.99*12.6 *12.99 in	14	16.98 Lbs ±10%	28.88 Lbs ±10%	1.23 ft³

Remarks :

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

Cautions





Dilux

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.**

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