

Product Specification

DC Flexible LED Strip

2835 8LEDs/unit Series

2835 Top LED 10mm FPC 160LEDs/M

WW-FLS102T29XW160X-24(WCP)-XR-DS-CV-HE
&
WW-FLS102T29XW160X-24(WCP)-XR-DS-CV-HE-EP



HK Office :

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

China Factory :

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

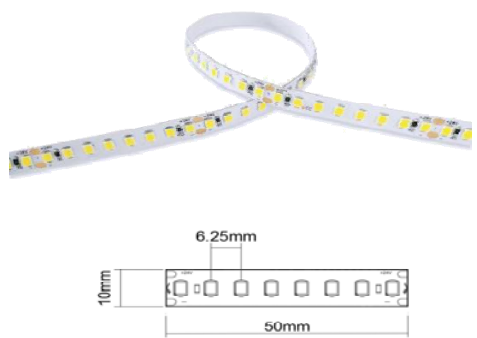
Tel : (852) 3152 3059 (10 lines)



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); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: 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"> • EN55015:2013+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
	5 Years Warranty	5 Years Warranty

ErP Waterproof Type	 B 20	 R 67
	Naked Strip	Silicone Extrusion
	5 Years Warranty	5 Years Warranty

WW-FLS102T29XW160B-24(WCP)-XR-DS-CV-HE

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-FLS102T29WW160B-24(WCP)-HR-DS-CV-HE	80	82	96	17.30	19.03	Warm White	2600-2900K	2650-2770K	2320	DC 24V
	Warm White						2900-3200K	2960-3110K	2420		
	Natural White						3700-4250K	3840-4080K	2540		
	Standard White						5700-6500K	5800-6250K	2600		
	WW-FLS102T29SW160B-24(WCP)-HR-DS-CV-HE	90	90	100	17.30	19.03	Warm White	2600-2900K	2650-2770K	1960	DC 24V
	Warm White						2900-3200K	2960-3110K	2030		
	Natural White						3700-4250K	3840-4080K	2170		
	Standard White						5700-6500K	5800-6250K	2200		
R 67	WW-FLS102T29WW160R-24(WCP)-HR-DS-CV-HE	80	82	96	17.30	19.03	Warm White	2600-2900K	2650-2770K	2250	DC 24V
	Warm White						2900-3200K	2960-3110K	2420		
	Natural White						3700-4250K	3840-4080K	2440		
	Standard White						5700-6500K	5800-6250K	2490		
	WW-FLS102T29WW160R-24(WCP)-UR-DS-CV-HE	90	90	100	17.30	19.03	Warm White	2600-2900K	2650-2770K	1900	DC 24V
	Warm White						2900-3200K	2960-3110K	1965		
	Natural White						3700-4250K	3840-4080K	2100		
	Standard White						5700-6500K	5800-6250K	2130		

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

WW-FLS102T29XW160B-24(WCP)-XR-DS-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
E 20	WW-FLS102T29WW160B-24(WCP)-HR-DS-CV-HE-EP	80	82	96	19.20	21.12	Warm White	2700K	2630	137	D	DC 24V
	Warm White						3000K	2770	144	D		
	Natural White						4000K	2900	151	D		
	Standard White						6000K	2932	153	D		
	WW-FLS102T29WW160B-24(WCP)-UR-DS-CV-HE-EP	90	90	100	19.20	21.12	Warm White	2700K	2264	118	E	DC 24V
	Warm White						3000K	2350	122	E		
	Natural White						4000K	2479	129	E		
	Standard White						6000K	2533	132	E		
R 67	WW-FLS102T29WW160R-24(WCP)-HR-DS-CV-HE-EP	80	82	96	19.20	21.12	Warm White	2700K	2533	132	E	DC 24V
	Warm White						3000K	2652	138	D		
	Natural White						4000K	2796	146	D		
	Standard White						6000K	2829	147	D		
	WW-FLS102T29WW160R-24(WCP)-UR-DS-CV-HE-EP	90	90	100	19.20	21.12	Warm White	2700K	2156	112	E	DC 24V
	Warm White						3000K	2253	117	E		
	Natural White						4000K	2391	125	E		
	Standard White						6000K	2443	127	E		

Remarks:

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

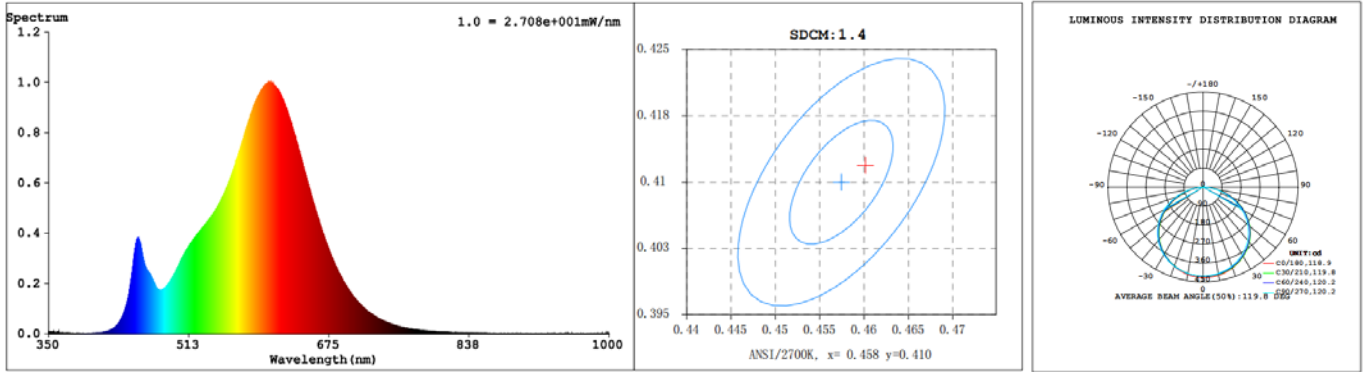
Test condition of above technical data:

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

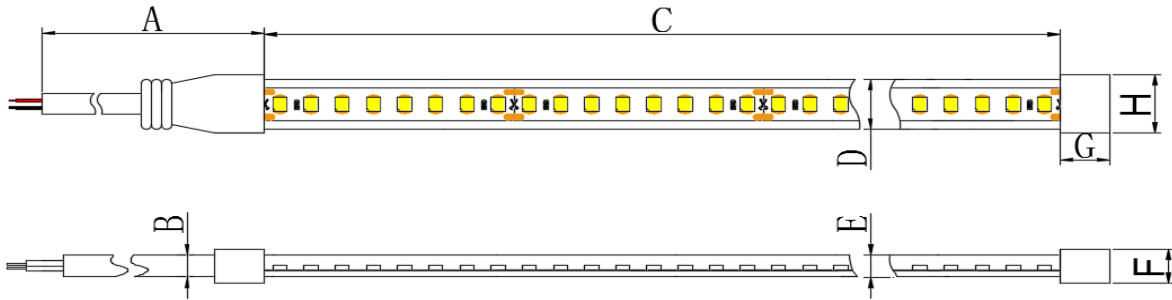
ErP Note:

- 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 ≤ 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

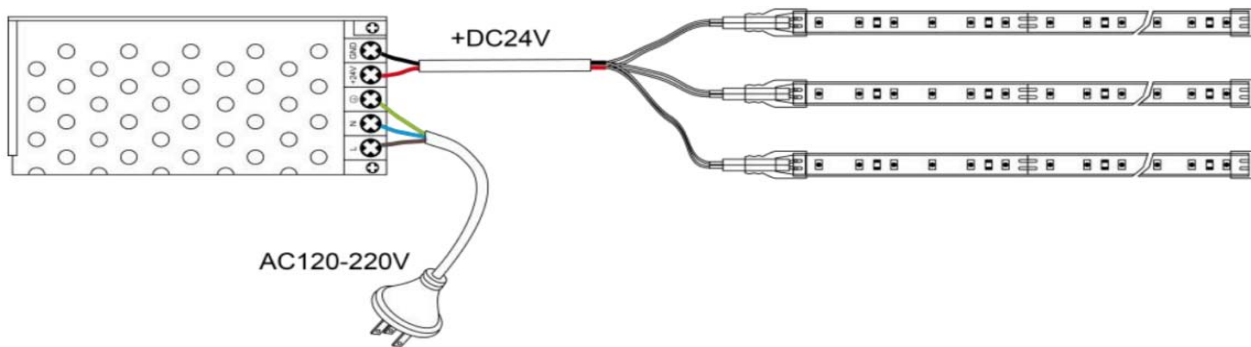


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
E 20	300±10mm	4±0.2mm	5000±50mm	10±0.5mm	1.2±0.5mm	/	/	/
	11.81±0.39in	0.157±0.008in	196.85±1.97in	0.39±0.02in	0.047±0.02in	/	/	/
R 67	300±10mm	6.0±0.2mm	5020±50mm	12±0.5mm	4.5±0.5mm	7±1mm	11±0.5mm	12±0.5mm
	11.81±0.39in	0.236±0.008in	197.64±1.97in	0.47±0.02in	0.177±0.02in	0.28±0.039in	0.43±0.02in	0.47±0.02in



Remarks:

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



Circuit Diagram



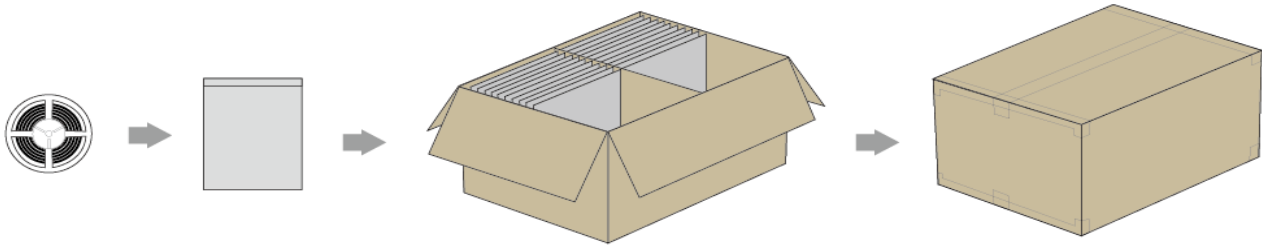
Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	/	/	/	/	/
	/	/	/	/	/
R 67	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
E 20	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 Information

IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
B 20	250*270*0.14mm	/	/	440*400*260mm	50	4.5 KG ±10%	8.2 KG ±10%	0.05m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	50	9.92 Lbs ±10%	18.08 Lbs ±10%	1.616 ft³
R 67	270*300*0.14mm	/	/	520*370*300mm	36	10.71 KG ±10%	15.7 KG ±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57*11.81 in	36	23.61 Lbs ±10%	34.61 Lbs ±10%	2.04 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	 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.