

Product Specification

DC Flexible LED Strip

2835 8LEDs/unit Series

2835 Top LED 8mm FPC 128LEDs/M

WW-FLS102T29XW128X-24(WCP)-XR-DS-CV-HE
&
WW-FLS102T29XW128X-24(WCP)-XR-DS-CV-HE-EP



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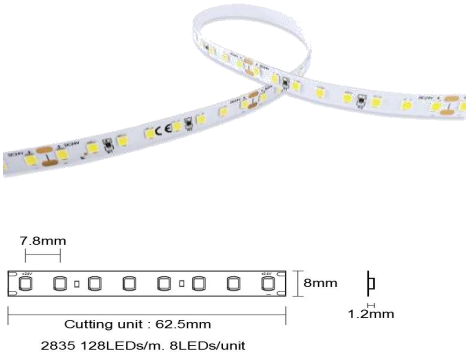
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Product Features • High quality FPC, authentic 3M tape; • Self-encapsulated design 2835 LED; • Light source lifetime:50K hours(L70); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: Φ60mm • Max. length(M): 5M	
Technology info • Lighting Technology: LED • DLS or NDLS: NDLS • MLS or NMLS: NMLS	Certification Standards • EN55015:2019 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008

Non-ErP Waterproof Type			
	B 20	F 65	R 67
	Naked Strip	Silicone Tube	Silicone Extrusion
	5 Years Warranty	5 Years Warranty	5 Years Warranty

ErP Waterproof Type			
	B 20	F 65	R 67
	Naked Strip	Silicone Tube	Silicone Extrusion
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WW-FLS102T29XW128X-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
B 20	WW-FLS102T29WW128B-24(WCP)-HR-DS-CV-HE	80	82	96	12.30	13.53	Warm White	2600-2900K	2650-2770K	1660	DC 24V
	WW-FLS102T29WW128B-24(WCP)-HR-DS-CV-HE						Warm White	2900-3200K	2960-3110K	1740	
	WW-FLS102T29NW128B-24(WCP)-HR-DS-CV-HE						Natural White	3700-4250K	3840-4080K	1820	
	WW-FLS102T29SW128B-24(WCP)-HR-DS-CV-HE						Standard White	5700-6500K	5800-6250K	1860	
	WW-FLS102T29WW128B-24(WCP)-UR-DS-CV-HE	90	90	100	12.30	13.53	Warm White	2600-2900K	2650-2770K	1440	DC 24V
	WW-FLS102T29WW128B-24(WCP)-UR-DS-CV-HE						Warm White	2900-3200K	2960-3110K	1450	
	WW-FLS102T29NW128B-24(WCP)-UR-DS-CV-HE						Natural White	3700-4250K	3840-4080K	1570	
	WW-FLS102T29SW128B-24(WCP)-UR-DS-CV-HE						Standard White	5700-6500K	5800-6250K	1600	
F 65	WW-FLS102T29WW128F-24(WCP)-HR-DS-CV-HE	80	82	96	12.30	13.53	Warm White	2600-2900K	2650-2770K	1640	DC 24V
	WW-FLS102T29WW128F-24(WCP)-HR-DS-CV-HE						Warm White	2900-3200K	2960-3110K	1720	
	WW-FLS102T29NW128F-24(WCP)-HR-DS-CV-HE						Natural White	3700-4250K	3840-4080K	1800	
	WW-FLS102T29SW128F-24(WCP)-HR-DS-CV-HE						Standard White	5700-6500K	5800-6250K	1840	
	WW-FLS102T29WW128F-24(WCP)-UR-DS-CV-HE	90	90	100	12.30	13.53	Warm White	2600-2900K	2650-2770K	1400	DC 24V
	WW-FLS102T29WW128F-24(WCP)-UR-DS-CV-HE						Warm White	2900-3200K	2960-3110K	1430	
	WW-FLS102T29NW128F-24(WCP)-UR-DS-CV-HE						Natural White	3700-4250K	3840-4080K	1550	
	WW-FLS102T29SW128F-24(WCP)-UR-DS-CV-HE						Standard White	5700-6500K	5800-6250K	1580	
R 67	WW-FLS102T29WW128R-24(WCP)-HR-DS-CV-HE	80	82	96	12.30	13.53	Warm White	2600-2900K	2650-2770K	1640	DC 24V
	WW-FLS102T29WW128R-24(WCP)-HR-DS-CV-HE						Warm White	2900-3200K	2960-3110K	1720	
	WW-FLS102T29NW128R-24(WCP)-HR-DS-CV-HE						Natural White	3700-4250K	3840-4080K	1800	
	WW-FLS102T29SW128R-24(WCP)-HR-DS-CV-HE						Standard White	5700-6500K	5800-6250K	1840	
	WW-FLS102T29WW128R-24(WCP)-UR-DS-CV-HE	90	90	100	12.30	13.53	Warm White	2600-2900K	2650-2770K	1400	DC 24V
	WW-FLS102T29WW128R-24(WCP)-UR-DS-CV-HE						Warm White	2900-3200K	2960-3110K	1430	
	WW-FLS102T29NW128R-24(WCP)-UR-DS-CV-HE						Natural White	3700-4250K	3840-4080K	1550	
	WW-FLS102T29SW128R-24(WCP)-UR-DS-CV-HE						Standard White	5700-6500K	5800-6250K	1580	

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

WW-FLS102T29XW128X-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-FLS102T29WW128B-24(WCP)-HR-DS-CV-HE-EP	80	82	96	13.30	14.63	Warm White	2700K	1876	141	D	DC 24V
	WW-FLS102T29WW128B-24(WCP)-HR-DS-CV-HE-EP						Warm White	3000K	1962	148	D	
	WW-FLS102T29NW128B-24(WCP)-HR-DS-CV-HE-EP						Natural White	4000K	2070	156	D	
	WW-FLS102T29SW128B-24(WCP)-HR-DS-CV-HE-EP						Standard White	6000K	2091	157	D	
F 65	WW-FLS102T29WW128B-24(WCP)-UR-DS-CV-HE-EP	90	90	100	13.30	14.63	Warm White	2700K	1617	122	E	DC 24V
	WW-FLS102T29WW128B-24(WCP)-UR-DS-CV-HE-EP						Warm White	3000K	1649	124	E	
	WW-FLS102T29NW128B-24(WCP)-UR-DS-CV-HE-EP						Natural White	4000K	1779	134	E	
	WW-FLS102T29SW128B-24(WCP)-UR-DS-CV-HE-EP						Standard White	6000K	1800	135	D	
F 65	WW-FLS102T29WW128F-24(WCP)-HR-DS-CV-HE-EP	80	82	96	13.30	14.63	Warm White	2700K	1811	136	D	DC 24V
	WW-FLS102T29WW128F-24(WCP)-HR-DS-CV-HE-EP						Warm White	3000K	1893	142	D	
	WW-FLS102T29NW128F-24(WCP)-HR-DS-CV-HE-EP						Natural White	4000K	1996	150	D	
	WW-FLS102T29SW128F-24(WCP)-HR-DS-CV-HE-EP						Standard White	6000K	2018	152	D	
F 65	WW-FLS102T29WW128F-24(WCP)-UR-DS-CV-HE-EP	90	90	100	13.30	14.63	Warm White	2700K	1496	113	E	DC 24V
	WW-FLS102T29WW128F-24(WCP)-UR-DS-CV-HE-EP						Warm White	3000K	1591	120	E	
	WW-FLS102T29NW128F-24(WCP)-UR-DS-CV-HE-EP						Natural White	4000K	1716	129	E	
	WW-FLS102T29SW128F-24(WCP)-UR-DS-CV-HE-EP						Standard White	6000K	1736	130	E	
R 67	WW-FLS102T29WW128R-24(WCP)-HR-DS-CV-HE-EP	80	82	96	13.30	14.63	Warm White	2700K	1912	144	D	DC 24V
	WW-FLS102T29WW128R-24(WCP)-HR-DS-CV-HE-EP						Warm White	3000K	2005	151	D	
	WW-FLS102T29NW128R-24(WCP)-HR-DS-CV-HE-EP						Natural White	4000K	2100	158	D	
	WW-FLS102T29SW128R-24(WCP)-HR-DS-CV-HE-EP						Standard White	6000K	2100	158	D	
R 67	WW-FLS102T29WW128R-24(WCP)-UR-DS-CV-HE-EP	90	90	100	13.30	14.63	Warm White	2700K	1632	123	E	DC 24V
	WW-FLS102T29WW128R-24(WCP)-UR-DS-CV-HE-EP						Warm White	3000K	1705	128	E	
	WW-FLS102T29NW128R-24(WCP)-UR-DS-CV-HE-EP						Natural White	4000K	1798	135	D	
	WW-FLS102T29SW128R-24(WCP)-UR-DS-CV-HE-EP						Standard White	6000K	1830	138	D	

Remarks:

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

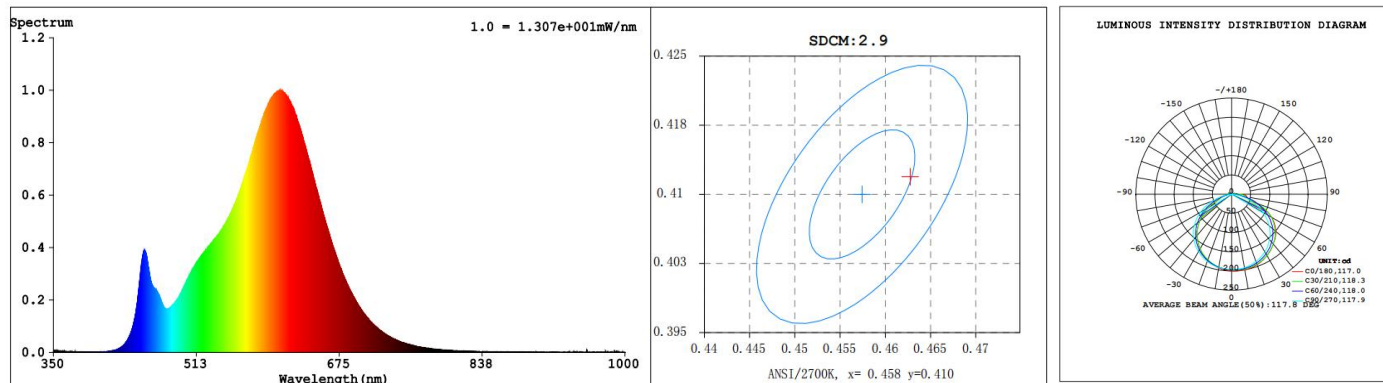
Test condition of above technical data:

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

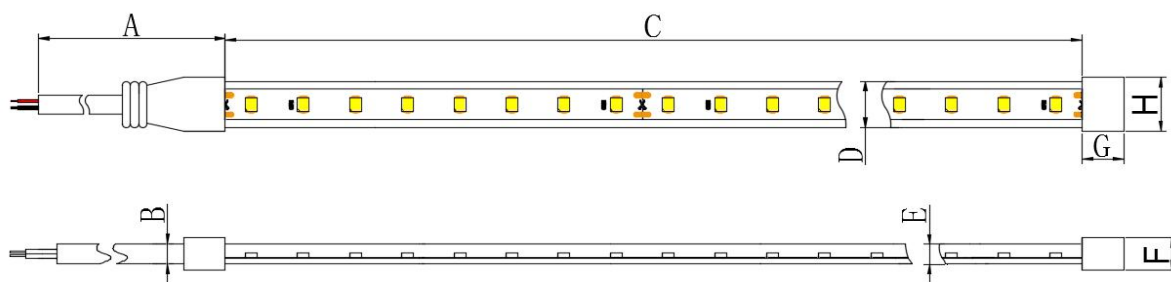
ErP Note:

- 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

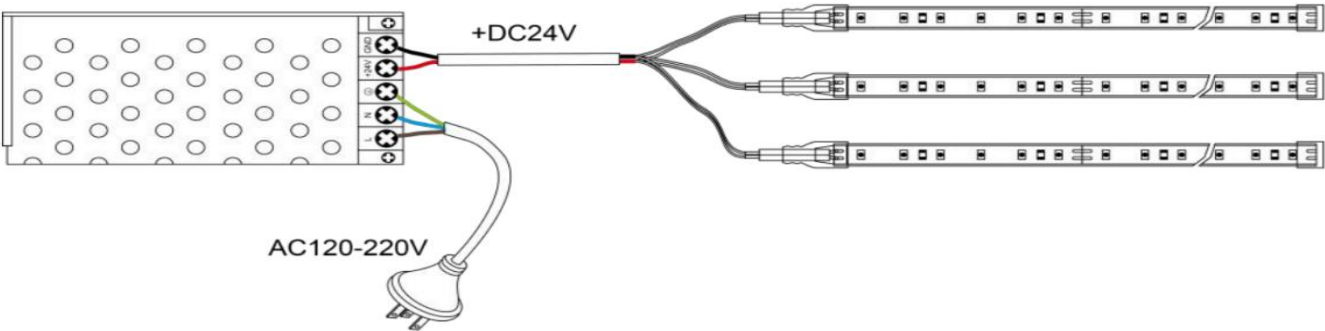


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
B 20	300±10mm	4±0.2mm	5000±50mm	8±0.5mm	1.2±0.5mm	/	/	/
	11.81±0.39in	0.157±0.008in	196.85±1.97in	0.32±0.02in	0.047±0.02in	/	/	/
F 65	300±10mm	4±0.2mm	5020±50mm	10±0.5mm	4.0±0.5mm	6±1mm	11±0.5mm	12±0.5mm
	11.81±0.39in	0.157±0.008in	197.64±1.97in	0.39±0.02in	0.157±0.02in	0.236±0.039in	0.43±0.02in	0.47±0.02in
R 67	300±10mm	6.0±0.2mm	5020±50mm	10±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	0.39±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



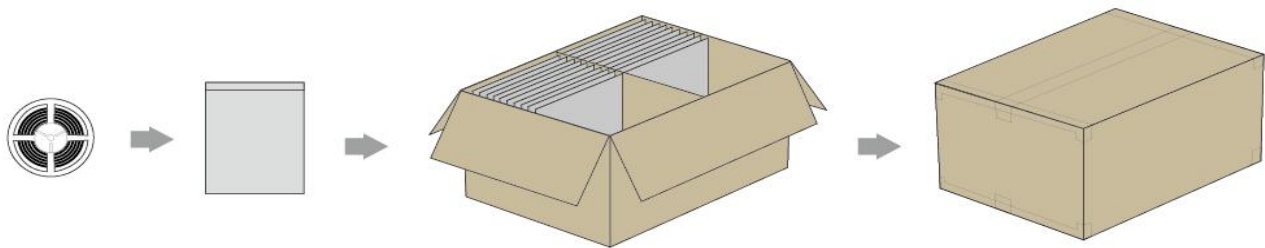
Standard Accessories

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

Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-POP20-08	≤240LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-P0W20-08	≤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			
B20	250*270*0.14mm	/	/	440*400 *260mm	60	5.1 KG ±10%	9.1 KG ±10%	0.05m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	60	11.24Lbs ±10%	20.06 Lbs ±10%	1.62ft³
F65	250*270*0.14mm	/	/	440*400 *260mm	40	7.2 KG ±10%	10.5 KG ±10%	0.05m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	40	15.87 Lbs ±10%	23.15 Lbs ±10%	1.62ft³
R67	270*300*0.14mm	/	/	520*370 *300mm	36	9.99 KG ±10%	14.99 KG ±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57 *11.81 in	36	22.02 Lbs ±10%	33.05 Lbs ±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	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.**