

Product Specification

DC Flexible LED Strip

2835 8LEDs/unit Series

2835 Top LED 12mm FPC 128LEDs/M

WW-FLS102T29XW128X-24(WCP)-XR-P-UE

&

WW-FLS102T29XW128X-24(WCP)-XR-P-UE-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)

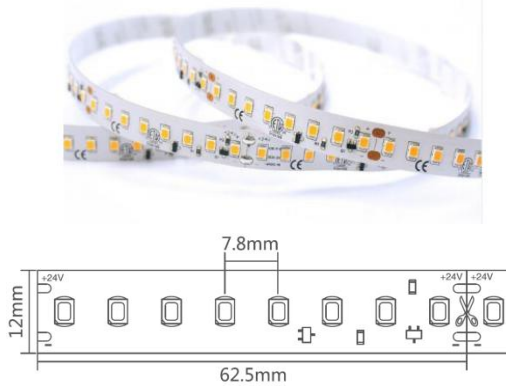
Fax : (852) 3152 3039











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	 S 54	 F 65	 R 67	 RW 67
	Naked Strip	Silicone Dropping	Silicone Tube	Silicone Extrusion	Silicone Extrusion
	3 Years Warranty	3 Years Warranty	3 Years Warranty	3 Years Warranty	3 Years Warranty

ErP Waterproof Type	 B 20	 F 65	 R 67
	Naked Strip	Silicone Tube	Silicone Extrusion
	3 Years Warranty	3 Years Warranty	3 Years Warranty

WW-FLS102T29XW128X-24(WCP)-XR-P-UE

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-FLS102T29XW128B-24(WCP)-HR-P-UE	80	82	96	25.20	27.72	Warm White	2500K	/	3494	DC 24V
							Warm White	2700K	/	3494	
							Warm White	3000K	/	3660	
							Natural White	4000K	/	3886	
							Standard White	6000K	/	4036	
	WW-FLS102T29XW128B-24(WCP)-UR-P-UE	90	90	100	25.20	27.72	Warm White	2700K	/	3250	DC 24V
							Warm White	3000K	/	3430	
							Natural White	4000K	/	3712	
							Standard White	6000K	/	3712	
	F 65	WW-FLS102T29XW128F-24(WCP)-HR-P-UE	80	82	96	25.20	27.72	Warm White	2500K	/	3450
Warm White								2700K	/	3620	
Warm White								3000K	/	3840	
Natural White								4000K	/	4000	
Standard White								6000K	/	3020	
WW-FLS102T29XW128F-24(WCP)-UR-P-UE		90	90	100	25.20	27.72	Warm White	2700K	/	3100	DC 24V
							Warm White	3000K	/	3190	
							Natural White	4000K	/	3500	
							Standard White	6000K	/	3450	
S 54		WW-FLS102T29XW128S-24(WCP)-HR-P-UE	80	82	96	25.20	27.72	Warm White	2500K	/	2970
	Warm White							2700K	/	2958	
	Warm White							3000K	/	3121	
	Natural White							4000K	/	3118	
	Standard White							6000K	/	2895	
R 67	WW-FLS102T29XW128R-24(WCP)-HR-P-UE	80	82	96	25.20	27.72	Warm White	2500K	/	3430	DC 24V
							Warm White	2700K	/	3600	
							Warm White	3000K	/	3820	
							Natural White	4000K	/	3990	
							Standard White	6000K	/	3000	
	WW-FLS102T29XW128R-24(WCP)-UR-P-UE	90	90	100	25.20	27.72	Warm White	2700K	/	3090	DC 24V
							Warm White	3000K	/	3170	
							Natural White	4000K	/	3490	
							Standard White	6000K	/	3430	
	RW 67	WW-FLS102T29XW128R-24(WCP)-HR-P-W-UE	80	82	96	25.20	27.72	Warm White	2500K	/	2939
Warm White								2700K	/	2990	
Warm White								3000K	/	3156	
Natural White								4000K	/	3415	
Standard White								6000K	/	3378	

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 ±15% (subject to the manufacturer's instrument test).

Test condition of above technical data:

- Surrounding temperature: 26°C.
- Test while turning on.

WW-FLS102T29XW128B-24(WCP)-XR-P-UE-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-FLS102T29XW128B-24(WCP)-HR-P-UE-EP	80	82	96	22.86	25.14	Warm White	2700K	3413	149	D	DC 24V
							Warm White	3000K	3607	158	D	
							Natural White	4000K	3663	160	C	
							Standard White	6000K	3976	174	C	
	WW-FLS102T29XW128B-24(WCP)-UR-P-UE-EP	90	90	100	22.86	25.14	Warm White	2700K	2982	130	E	DC 24V
							Warm White	3000K	2913	127	E	
							Natural White	4000K	3154	138	D	
							Standard White	6000K	3441	151	D	
F 65	WW-FLS102T29XW128F-24(WCP)-HR-P-UE-EP	80	82	96	22.86	25.14	Warm White	2700K	3264	143	D	DC 24V
							Warm White	3000K	3456	151	D	
							Natural White	4000K	3605	158	D	
							Standard White	6000K	3719	163	C	
	WW-FLS102T29XW128F-24(WCP)-UR-P-UE-EP	90	90	100	22.86	25.14	Warm White	2700K	2786	122	E	DC 24V
							Warm White	3000K	2844	124	E	
							Natural White	4000K	2995	131	E	
							Standard White	6000K	3234	141	D	
R 67	WW-FLS102T29XW128R-24(WCP)-HR-P-UE-EP	80	82	96	22.86	25.14	Warm White	2700K	3370	147	D	DC 24V
							Warm White	3000K	3495	153	D	
							Natural White	4000K	3691	161	C	
							Standard White	6000K	3833	168	C	
	WW-FLS102T29XW128R-24(WCP)-UR-P-UE-EP	90	90	100	22.86	25.14	Warm White	2700K	2861	125	E	DC 24V
							Warm White	3000K	2941	129	E	
							Natural White	4000K	3079	135	E	
							Standard White	6000K	3374	148	D	

Remarks:

- *The above color temperature is the color temperature of LED source.
- While SDCM<3 model is available, part number will add the suffix "-3S".

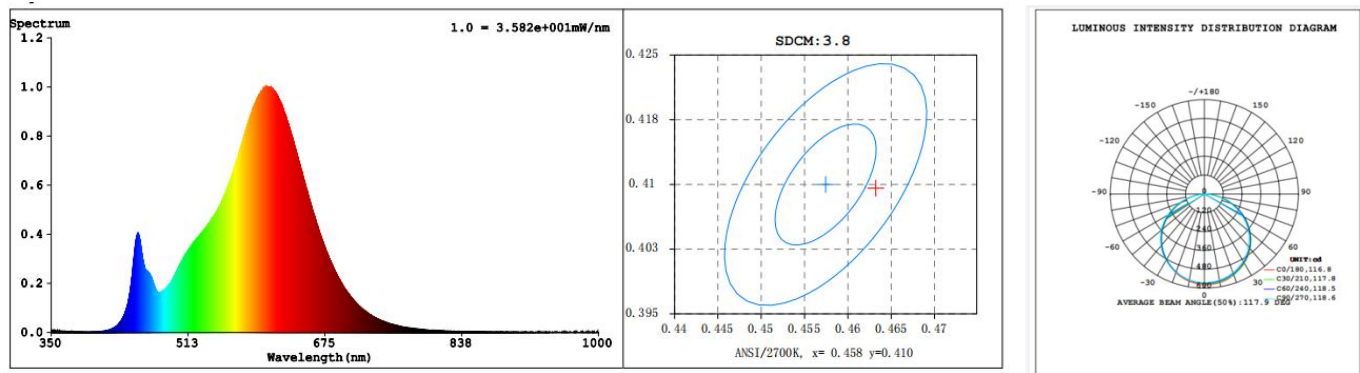
Test condition of above technical data:

- Surrounding temperature: 26 °C.
- Test after 15 mins turned on.

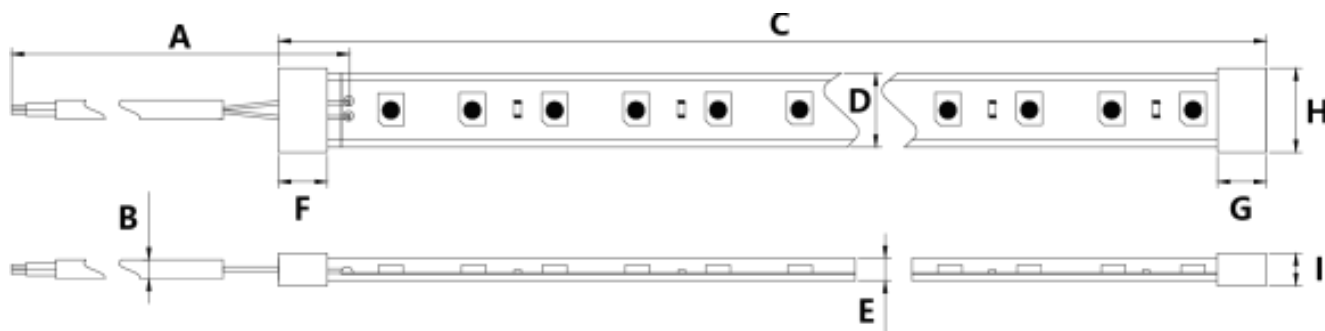
ErP Note:

- 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

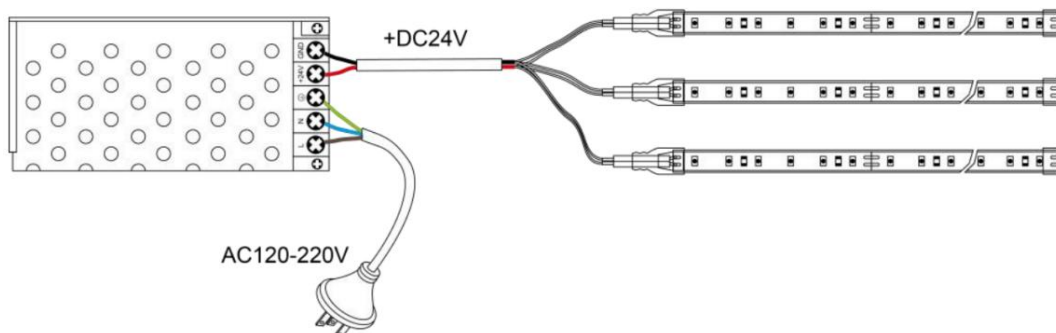


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Front cap length	G End cap length	H Cap width	I Cap thickness
E 20	300±10mm	Φ6±0.2mm	5000±50mm	12±0.5mm	1.2±0.5mm	/	/	/	/
	11.81±0.39in	0.24±0.01in	196.85±1.97in	0.47±0.02in	0.047±0.02in	/	/	/	/
S 54	300±10mm	Φ6±0.2mm	5000±50mm	12±0.5mm	2.1±0.5mm	/	/	/	/
	11.81±0.39in	0.24±0.01in	196.85±1.97in	0.47±0.02in	0.083±0.02in	/	/	/	/
F 65	300±10mm	Φ6±0.2mm	5020±50mm	14.5±0.5mm	4.0±0.5mm	10±0.5mm	10±0.5mm	16.5±0.5mm	6.0±0.5mm
	11.81±0.39in	0.24±0.01in	197.64±1.97in	0.57±0.02in	0.16±0.02in	0.39±0.02in	0.39±0.02in	0.64±0.02in	0.24±0.02in
R 67	300±10mm	Φ6±0.5mm	5020±50mm	14±0.5mm	4.5±0.5mm	30±0.5mm	10±0.5mm	16±0.5mm	6.5±0.5mm
	11.81±0.39in	0.24±0.002 in	197.64±1.97in	0.55±0.02in	0.17±0.02in	1.18±0.02in	0.39±0.02in	0.63±0.02in	0.25±0.02in
RW 67	300±10mm	Φ6±0.5mm	5020±50mm	14±0.5mm	4.5±0.5mm	30±0.5mm	10±0.5mm	16±0.5mm	6.5±0.5mm
	11.81±0.39in	0.24±0.002 in	197.64±1.97in	0.55±0.02in	0.17±0.02in	1.18±0.02in	0.39±0.02in	0.63±0.02in	0.25±0.02in







Remarks:

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







Circuit Diagram



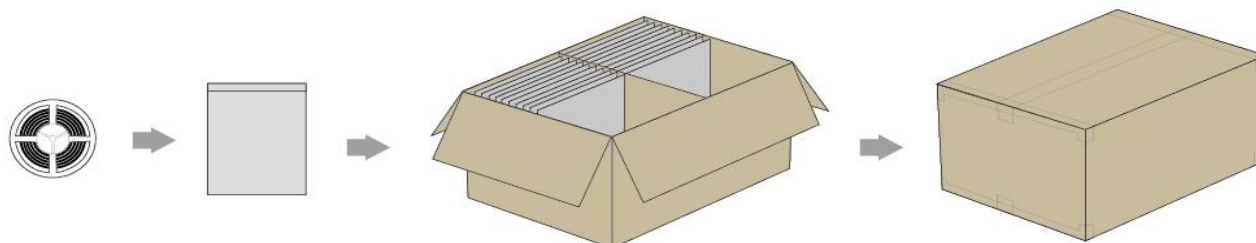
Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
E 20	/	/	/	/	/
S 54	/	/	/	/	/
F 65	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (14mm)	12mm Type F
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
R 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (14mm)	12mm Type R
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
RW 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (14mm)	12mm Type RW
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-PWP2O-12-0-18	≤240LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-POP2O-12-0-0	≤240LEDs/M
S 54	/	/	/	/	/
	/	/	/	/	/
F 65	/	/	/	/	/
R 67	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-SWO2T-12	≤128LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-SOP2T-12	≤128LEDs/M
RW 67	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-SWO2T-12	≤128LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-SOP2T-12	≤128LEDs/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	8.6KG±10%	9.923KG±10%	0.05m3
	9.84*10.63*0.0056 in	/	/	17.32*15.748*10.24in	50	18.96Lbs±10%	21.88Lbs±10%	1.62 ft3
S 54	250*270*0.14mm	/	/	440*400*260mm	40	8.19KG±10%	13.08KG±10%	0.05m3
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24in	40	18.056Lbs±10%	28.84Lbs±10%	1.62 ft3
F 65	250*270*0.14mm	/	/	440*400*260mm	36	9.414KG±10%	13.38KG±10%	0.05m3
	9.84*10.63*0.0056 in	/	/	17.32*15.748*10.24in	36	20.75Lbs±10%	29.5Lbs±10%	1.62 ft3
R 67	270*300*0.14MM	/	/	520*370*300mm	36	13.056KG±10%	25.056KG±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.5*14.6*11.81in	36	28.784Lbs±10%	55.239Lbs±10%	2.04ft3
RW 67	270*300*0.14MM	/	/	520*370*300mm	36	6.30KG±10%	11.73KG±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57*11.81in	36	13.89 Lbs±10% 2	25.86Lbs±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	-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.**