

# **Product Specification**

# SMD LV Strip PRO 2835 24V 238 LEDs/M Single color Green Rendering Lighting

WW-FLS102T28SW238X-24(WCP)-SR-PG-ME & WW-FLS102T28SW238X-24(WCP)-SR-PG-ME-EP

Apply to ERP Regulation (EU) 2019/2020















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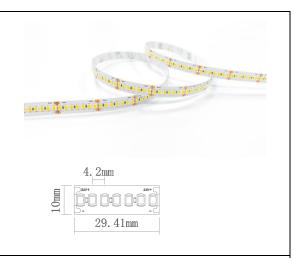


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# **Product Features**

- 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	E 20	R 67		
Waterproof Type	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-FLS102T28SW238X-24(WCP)-SR-PG-ME

# 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)	PPE	Rated voltage
₿ 20	WW-FLS102T28SW238B-24(WCP)- SR-PG-ME	95	96	102	18.80	20.68	Standard White	4800-5200K	/	2160	1.9	DC 24V
R 67	WW-FLS102T28SW238R-24(WCP)- SR-PG-ME	95	96	102	18.80	20.68	Standard White	4800-5200K	/	2100	1.7	DC 24V

### Remarks:

- \*The above color temperature is the color temperature of LED source.
- The typ. Luminous flux tolerance range is ±15% (subject to the manufacturer's instrument test).

Test condition of above technical data:

- Surrounding temperature:  $26^{\circ}$ C.
- Test while turning on.





# WW-FLS102T28SW238X-24(WCP)-SR-PG-ME-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	PPE (umol/J)	Rated voltage
₿ 20	WW-FLS102T28SW238B-24(WCP)-SR-PG-ME-EP	95	96	102	19.40	21.34	Standard White	5000K	2170	112	Е	1.9	DC 24V
R 67	WW-FLS102T28SW238R-24(WCP)-SR-PG-ME-EP	95	96	102	19.40	21.34	Standard White	5000K	2100	108	F	1.7	DC 24V

### Remarks:

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

### Test condition of above technical data:

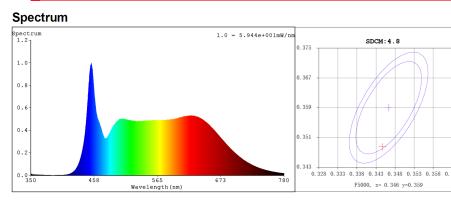
- Surrounding temperature: 26  $\,^{\circ}$ C.
- Test after 10 mins turned on.

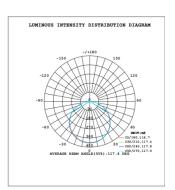
### ErP Note:

- 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.

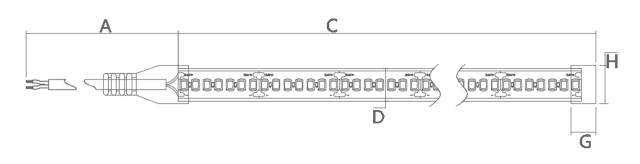


# Optical Test Diagram





# **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
	300±10mm	Ф4.0±0.2mm	5000±50mm	10±0.5mm	1.2±0.2mm	1	/	1
B 20	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.39±0.02in	0.047±0.02in	1	/	1
D 67	315±10mm	Ф6.0±0.2mm	5020±50mm	12±0.5mm	5.0±0.5mm	7±1mm	10±0.5mm	14±0.5mm
R 67	12.40±0.39in	0.236±0.008in	197.64±1.97in	0.47±0.02in	0.197±0.02in	0.28±0.04in	0.39±0.02in	0.47±0.02in

### Remarks:

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



# Standard Accessories

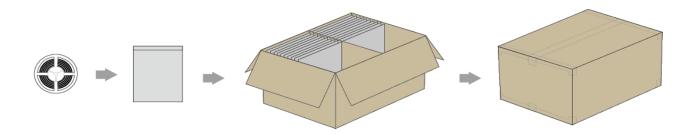
IP Grade	Category	Description	Picture	Part No.	Application
	/	/	/	/	/
₿ 20	/	/	/	/	/
	Connection Accessories	Front cap+End cap+Cable		WW-FLS102R-CW (12mm)	10mm Type R
K 67	R 67 Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

# Optional Accessories

IP Level	Category	Description	Picture	Part No.	Density
	Strip to Wire Connector	2PIN Strip to Wire Connector		WW-FLS102BPWP-10(10mm)	≤240灯/M
B 20	Strip to Strip Connector	2PIN Strip to Strip Connector	1	WW-FLS102BPOP-10(10mm)	≤240灯/M
R 67	/	/	/	/	/



# **Packaging Diagram**



# **Packaging information**

Ingress protection	Bag size	Inner carton	Inner carton		Outer carton		G.W	Outer carton	
rating		Size	Reel/ctn	Size	Reel/ctn	N.W	O.III	volume	
B 20	250*270*0.14mm	/	/	440*400 *260mm	50	5.35 KG ±10%	9.85 KG ±10%	0.05m³	
20	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	50	11.79 Lbs ±10%	21.72 Lbs ±10%	1.62ft³	
- 67	270*300*0.14mm	/	/	520*370 *300mm	36	12.13 KG ±10%	17.56 KG ±10%	0.06m³	
R 67	10.63*11.81*0.0056 in	/	/	20.47*14.57 *11.81 in	36	26.74 Lbs ±10%	37.71 Lbs ±10%	2.04ft³	

### Remarks:

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

# **A** Cautions

















Do not winding



Do not twist



it is working



Do not cut when 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





Connected to power supply every 5 meters



Power supply must be connected to ground(GND)



The minumum bending diameter > 60mm



Power supply retain > 20%



Note the positive and



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..

<sup>\*\*</sup> If you do not follow the above "Cautions" to operate and result in damaging the product, the factory will not accept maintenance and return.

<sup>\*\*</sup>The right of final interpretation is owned by Dilux.