

Product Specification

SMD LV Strip PRO 2835 24V 168 LEDs/M Single color

WW-FLS102T28XW168X-24(WCP)-XR
&
WW-FLS102T28XW168B-24(WCP)-XR-EP

Apply to ERP Regulation (EU) 2019/2020

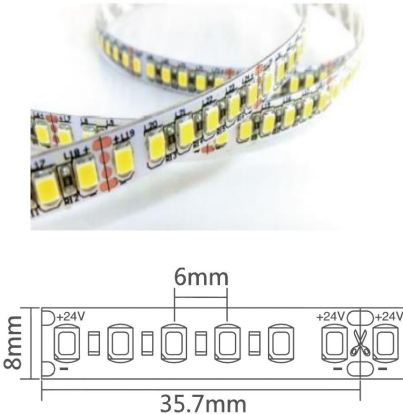




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<p>Product Features</p> <ul style="list-style-type: none"> • High quality FPC, authentic 3M tape; • Self-encapsulated design 2835 LED; • Light source lifetime:50K hours(L70); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: Φ60mm • Max. 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"> • EN55015:2019 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008

Non-ErP Waterproof Type	 B 20	 S 54
	Naked Strip	Silicone Dropping
	5 Years Warranty	3 Years Warranty

ErP Waterproof Type	 B 20
	Naked Strip
	5 Years Warranty

WW-FLS102T28XW168X-24(WCP)-XR

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-FLS102T28XW168B-24(WCP)-HR	80	82	96	16.80	18.48	Warm White	2300-2600K	/	1570	DC24V	
							Warm White	2600-2900K	2650-2770K	1640		
							Warm White	2900-3200K	2960-3110K	1700		
							Natural White	3700-4250K	3840-4080K	1800		
							Standard White	5700-6500K	/	1800		
	WW-FLS102T28XW168B-24(WCP)-UR	90	90	100	16.80	18.48	Warm White	2600-2900K	2650-2770K	1380	DC24V	
							Warm White	2900-3200K	2960-3110K	1450		
							Natural White	3700-4250K	3840-4080K	1530		
	S 54	WW-FLS102T28XW168S-24(WCP)-HR	80	82	96	16.80	18.48	Warm White	2300-2600K	/	1476	DC24V
								Warm White	2600-2900K	2650-2770K	1492	
Warm White								2900-3200K	2960-3110K	1547		
Natural White								3700-4250K	3840-4080K	1512		
Standard White								5700-6500K	/	1404		
WW-FLS102T28XW168S-24(WCP)-UR		90	90	100	16.80	18.48	Warm White	2600-2900K	2650-2770K	1283	DC24V	
							Warm White	2900-3200K	2960-3110K	1320		
							Natural White	3700-4250K	3840-4080K	1377		

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-FLS102T28XW168B-24(WCP)-HR-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-FLS102T28XW168B-24(WCP)-HR-EP	80	82	96	17.40	19.14	Warm White	2500K	1730	99	F	DC 24V
							Warm White	2700K	1840	106	F	
							Warm White	3000K	1890	109	F	
							Natural White	4000K	2000	115	E	
							Standard White	6000K	1930	111	E	
	WW-FLS102T28XW168B-24(WCP)-UR-EP	90	90	100	17.40	19.14	Warm White	2500K	/	/	/	DC 24V
							Warm White	2700K	/	/	/	
							Warm White	3000K	/	/	/	
							Natural White	4000K	/	/	/	
							Standard White	6000K	/	/	/	

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".

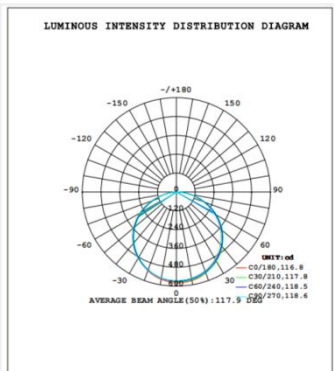
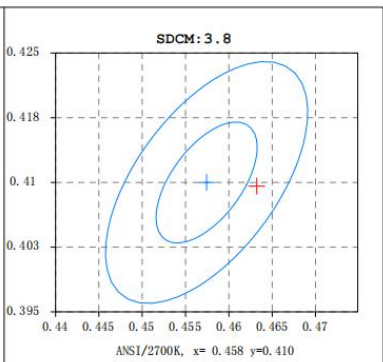
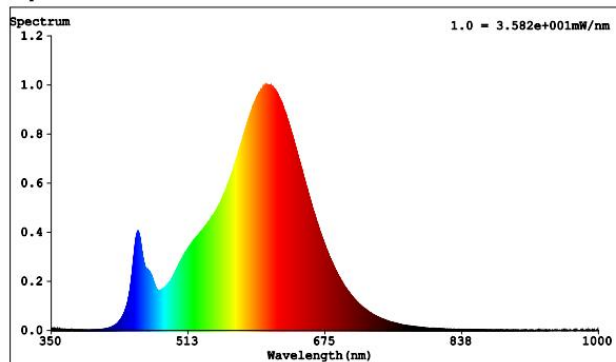
Test condition of above technical data:

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

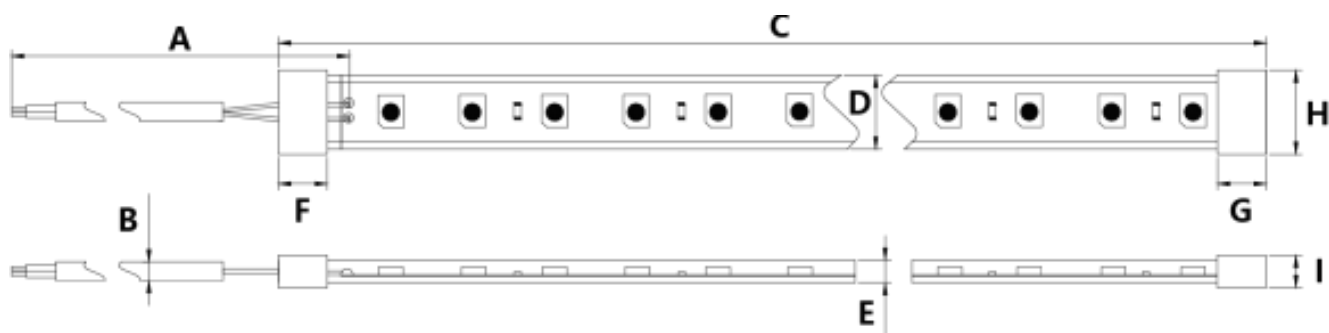
ErP Note:

- 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



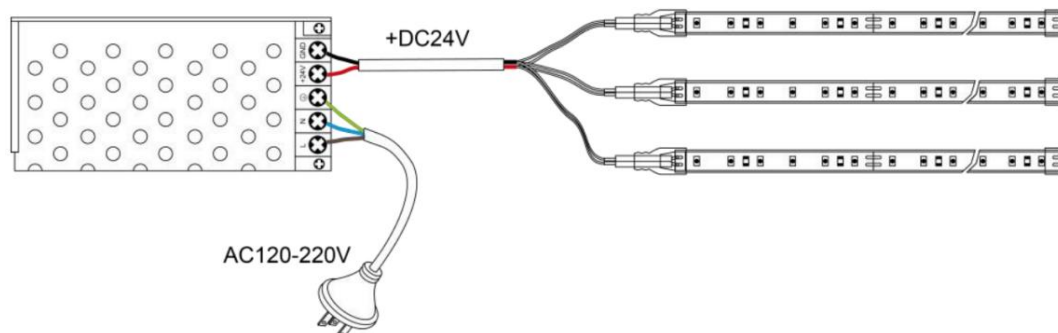
Dimension Drawing





IP Grade

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
B 20	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	1.2±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.02in	0.047±0.02in	/	/	/	/
S 54	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	2.3±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.02in	0.091±0.02in	/	/	/	/

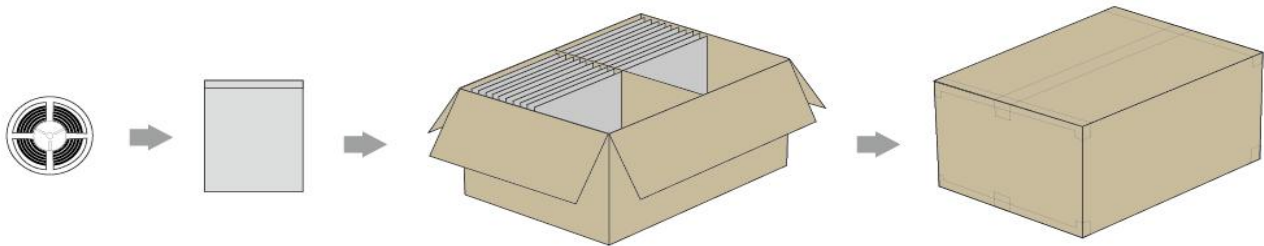
Circuit Diagram



Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-P0W20-08	/
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-POP20-08	/
S 54	/	/	/	/	/
	/	/	/	/	/

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			
E 20	250*270*0.14mm	/	/	440*400 *260mm	60	5.7KG ±10%	10.65 KG ±10%	0.04576 m3
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24in	60	12.57 Lbs ±10%	23.48Lbs ±10%	1.616 ft3
S 54	250*270*0.14mm	/	/	440*400 *260mm	60	10.7KG ±10%	12.54KG ±10%	0.04576 m3
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24in	60	23.58Lbs ±10%	27.65 Lbs ±10%	1.616 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	-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.**