

Product Specification

SMD LV Strip PRO 2835 48V 140 LEDs/M Special

WW-FLS102T23XW140X-48(WCP)-2500-XR-ME-TR
&
WW-FLS102T23XW140X-48(WCP)-2500-XR-ME-TR-EP

Apply to ERP Regulation (EU) 2019/2020

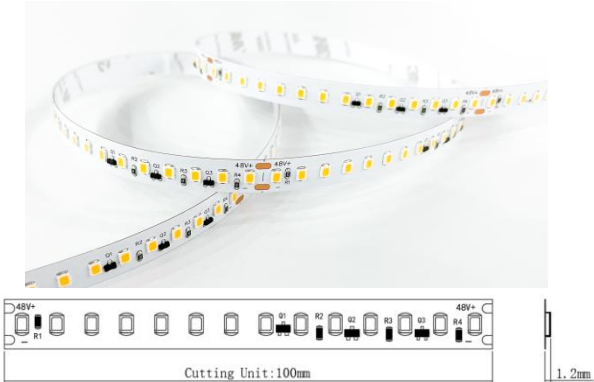




HK Office :
Unit 1901, 19th Floor, NanYang Plaza, No. 57 Hung To Road
Kwun Tong, Kowloon, Hong Kong



China Factory :
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Fucheng Street, Longhua District, Shenzhen, Guangdong, China

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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); • Min. Bending Diameter: Φ60mm • Max. Run length(M): 25m • Meet EU(2019/2020) ErP Regulation 	
<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	 R 67
	Naked Strip	Silicone Extrusion
	5 Years Warranty	5 Years Warranty

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WW-FLS102T23XW140X-48(WCP)-2500-XR-ME-TR

Parameters

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-FLS102T23WW140B-48(WCP)-2500-HR-ME-TR	80	82	96	9.6	10.56	Warm White	2600-2900K	2650-2770K	1140	DC 48V
	Warm White						2900-3200K	2960-3110K	1180		
	Natural White						3700-4250K	3840-4080K	1200		
	Standard White						5700-6500K	5800-6250K	1220		
E 20	WW-FLS102T23WW140B-48(WCP)-2500-UR-ME-TR	90	96	100	9.6	10.56	Warm White	2600-2900K	2650-2770K	960	DC 48V
	Warm White						2900-3200K	2960-3110K	1010		
	Natural White						3700-4250K	3840-4080K	1020		
	Standard White						5700-6500K	5800-6250K	1050		
R 67	WW-FLS102T23WW140R-48(WCP)-2500-HR-ME-TR	80	82	96	9.6	10.56	Warm White	2600-2900K	2650-2770K	1120	DC 48V
	Warm White						2900-3200K	2960-3110K	1160		
	Natural White						3700-4250K	3840-4080K	1180		
	Standard White						5700-6500K	5800-6250K	1190		
R 67	WW-FLS102T23WW140R-48(WCP)-2500-UR-ME-TR	90	96	100	9.6	10.56	Warm White	2600-2900K	2650-2770K	930	DC 48V
	Warm White						2900-3200K	2960-3110K	980		
	Natural White						3700-4250K	3840-4080K	980		
	Standard White						5700-6500K	5800-6250K	1020		

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-FLS102T23XW140X-48(WCP)-2500-XR-ME-TR-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')	Efficiency (Lm/W)	Energy Efficiency Class	Rated voltage
	WW-FLS102T23WW140B-48(WCP)-2500-HR-ME-TR-EP	80	82	96	9.6	10.56	Warm White	2700K	1120	117	E	DC 48V
	Warm White						3000K	1160	121	E		
	Natural White						4000K	1180	123	E		
	Standard White						6000K	1200	125	E		
E 20	WW-FLS102T23WW140B-48(WCP)-2500-UR-ME-TR-EP	90	96	100	9.6	10.56	Warm White	2700K	960	100	F	DC48V
	Warm White						3000K	1010	105	F		
	Natural White						4000K	1020	106	F		
	Standard White						6000K	1050	109	F		
R 67	WW-FLS102T23WW140R-48(WCP)-2500-HR-ME-TR-EP	80	82	96	9.6	10.56	Warm White	2700K	1080	113	E	DC 48V
	Warm White						3000K	1120	117	E		
	Natural White						4000K	1160	121	E		
	Standard White						6000K	1170	122	E		
	WW-FLS102T23WW140R-48(WCP)-2500-UR-ME-TR-EP	90	96	100	9.6	10.56	Warm White	2700K	930	97	F	DC 48V
	Warm White						3000K	980	102	F		
	Natural White						4000K	980	102	F		
	Standard White						6000K	1020	106	F		

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".

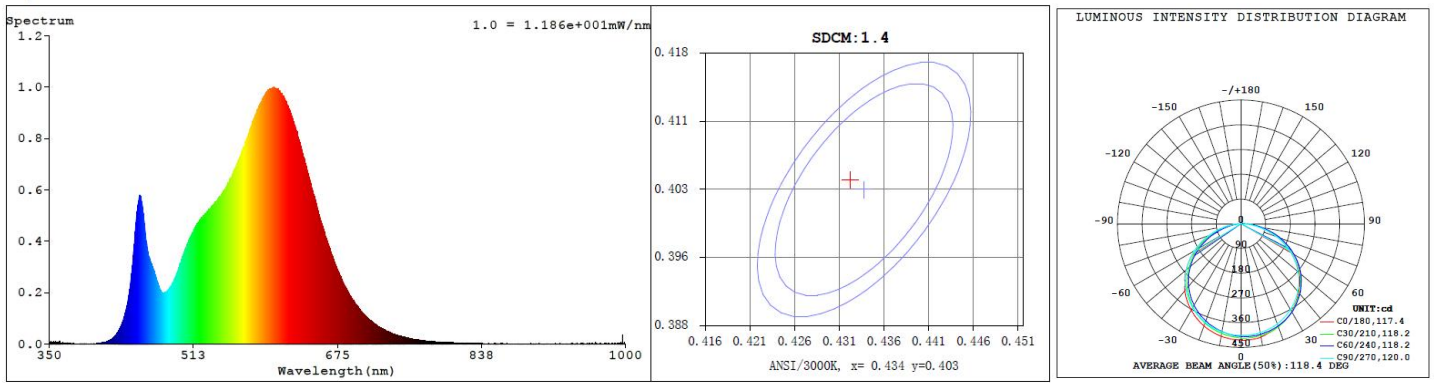
Test condition of above technical data:

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

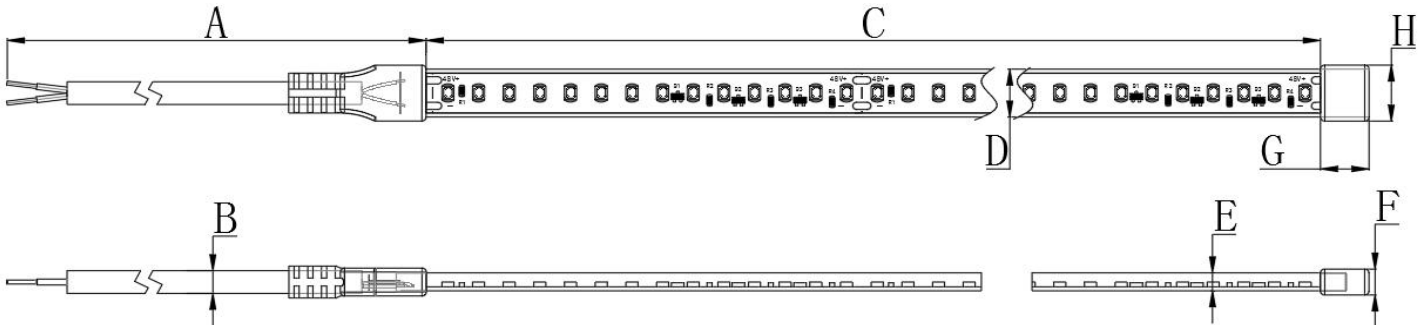
ErP Note:

- 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

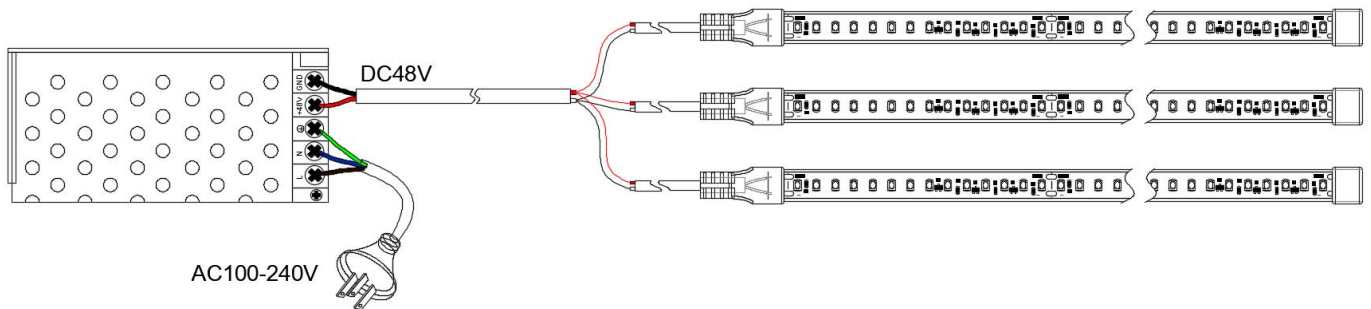


Dimension Drawing





IP Grade	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
E20	300±10mm	6.0±0.2mm	25000±200mm	10±0.5mm	1.2±0.5mm	/	/	/
	11.81±0.39in	0.236±0.008in	984.25±7.87in	0.32±0.02in	0.047±0.02in	/	/	/
R67	315±10mm	6.0±0.2mm	25020±200mm	12±0.5mm	4.5±0.5mm	6.5±1mm	12±0.5mm	14±0.5mm
	12.4±0.39in	0.236±0.008in	985.04±7.87in	0.39±0.02in	0.177±0.02in	0.26±0.039in	0.47±0.02in	0.55±0.02in

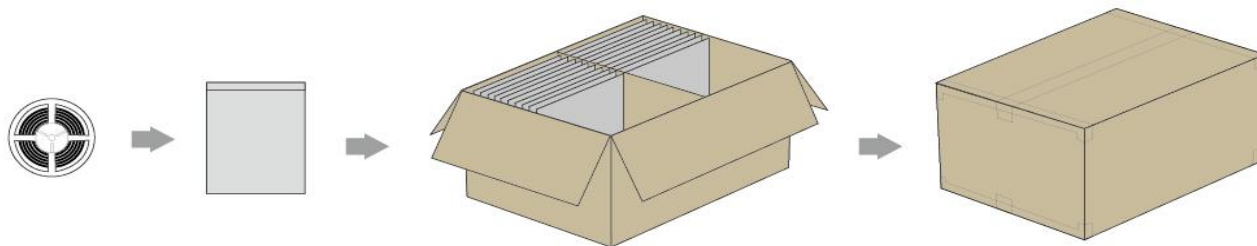
Circuit Diagram



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	

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	380×350×0.14mm	/	/	330×320×330mm	17	7.65KG ±10%	12.25KG ±10%	0.0348m³
	14.96×13.78×0.0055in	/	/	13.0×12.6×13.0in	17	16.87Lbs ±10%	27.0Lbs ±10%	1.23ft³
R 67	/	345×330×61mm	1	362×265×350mm	4	6.4KG ±10%	9.86KG ±10%	0.034m³
	/	13.58×12.99×2.4in	1	14.25×10.43×13.78in	4	14.11Lbs ±10%	21.74Lbs ±10%	1.19ft³


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 25 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.