

Product Specification

SMD LV Strip PRO 2835 24V 200 LEDs/m Single color Short Cutting

WW-FLS102T23XW200X-24(WCP)-XR-HQ5-CV-HE
&
WW-FLS102T23XW200X-24(WCP)-XR-HQ5-CV-HE-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

Tel : (852) 3152 3059 (10 lines)


Fax : (852) 3152 3039



China Factory :



Zhiyang Science and Technology Park, 10 Zhiyang Road, Zhangge,
Fucheng Street, Longhua District, Shenzhen, Guangdong, China

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. • Cutting unit as short as 10mm • 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	 R 67
	Naked Strip	Silicone Extrusion
	5 Years Warranty	5 Years Warranty

ErP Waterproof Type	 E 20	 R 67
	Naked Strip	Silicone Extrusion
	5 Years Warranty	5 Years Warranty

WW-FLS102T23XW200X-24(WCP)-XR-HQ5-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-FLS102T23XW200B-24(WCP)-HR-HQ5-CV-HE	80	82	96	18.4	20.24	Warm White	2600-2900K	/	2620	DC 24V
							Warm White	2900-3200K	/	2710	
							Natural White	3700-4250K	/	2920	
							Standard White	5700-6500K	/	2950	
	WW-FLS102T23XW200B-24(WCP)-UR-HQ5-CV-HE	90	96	100	18.4	20.24	Warm White	2600-2900K	/	2310	
							Warm White	2900-3200K	/	2390	
							Natural White	3700-4250K	/	2440	
							Standard White	5700-6500K	/	2470	
R 67	WW-FLS102T23XW200R-24(WCP)-HR-HQ5-CV-HE	80	82	96	18.4	20.24	Warm White	2600-2900K	/	2480	DC 24V
							Warm White	2900-3200K	/	2570	
							Natural White	3700-4250K	/	2740	
							Standard White	5700-6500K	/	2770	
	WW-FLS102T23XW200R-24(WCP)-UR-HQ5-CV-HE	90	96	100	18.4	20.24	Warm White	2600-2900K	/	2190	
							Warm White	2900-3200K	/	2260	
							Natural White	3700-4250K	/	2290	
							Standard White	5700-6500K	/	2320	

Remarks:

- * The above color temperature is the color temperature of LED source.
- 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-FLS102T23XW200X-24(WCP)-XR-HQ5-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-FLS102T23XW200B-24(WCP)-HR-HQ5-CV-HE-EP	80	82	96	19.6	21.56	Warm White	2700K	2889	147	D	DC 24V
							Warm White	3000K	2997	153	D	
							Natural White	4000K	3212	164	C	
							Standard White	6000K	3245	166	C	
	WW-FLS102T23XW200B-24(WCP)-UR-HQ5-CV-HE-EP	90	96	100	19.6	21.56	Warm White	2700K	2533	129	E	
							Warm White	3000K	2641	135	E	
							Natural White	4000K	2684	137	D	
							Standard White	6000K	2695	138	D	
R 67	WW-FLS102T23XW200R-24(WCP)-HR-HQ5-CV-HE-EP	80	82	96	19.6	21.56	Warm White	2700K	2738	140	D	DC 24V
							Warm White	3000K	2846	145	D	
							Natural White	4000K	3018	154	D	
							Standard White	6000K	3040	155	D	
	WW-FLS102T23XW200R-24(WCP)-UR-HQ5-CV-HE-EP	90	96	100	19.6	21.56	Warm White	2700K	2404	123	E	
							Warm White	3000K	2501	128	E	
							Natural White	4000K	2523	129	E	
							Standard White	6000K	2533	129	E	

Remarks:

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

Test condition of above technical data:

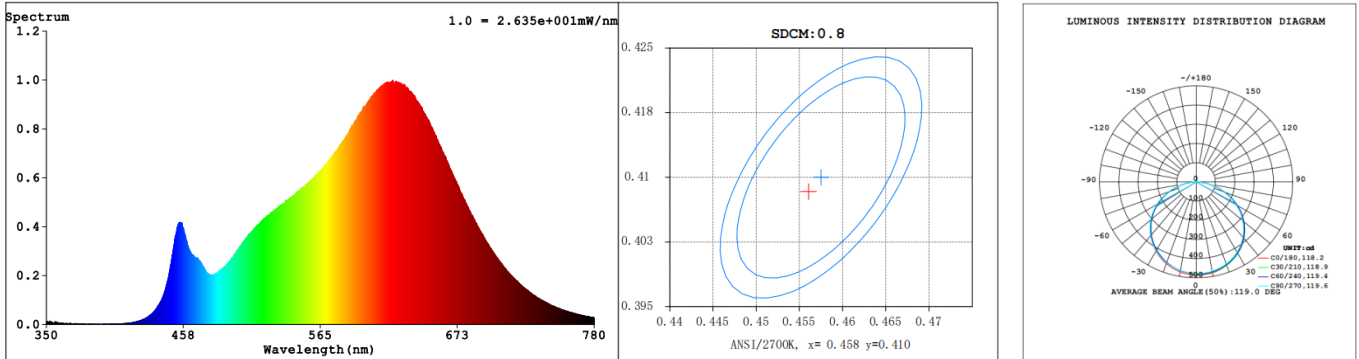
- Surrounding temperature: 26 °C.
- Test after 10 mins turned on.

ErP Note:

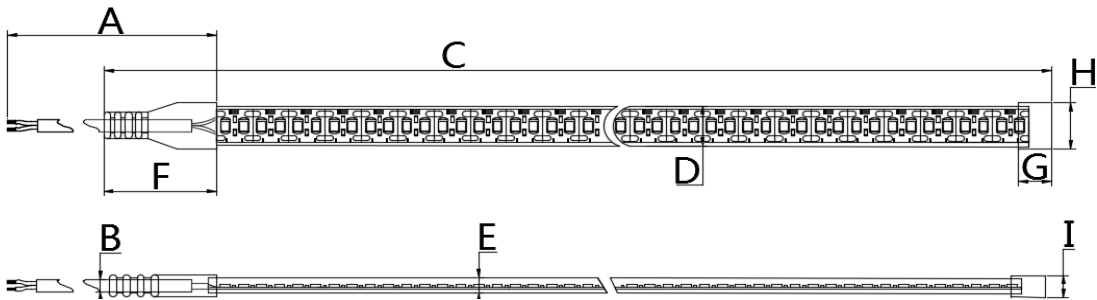
- According to the new ErP 2019/2020 regulation for each 0.5m or nearest 0.5m strip, the following requirements must be met:
- Measured power ≤ Pon +5% ;
- Measured lumen ≥ Useful luminous flux -10%;
- Measured CRI ≥ Declared CRI-2
- The above technical data, including typical power are based on the test of 0.5m.

Optical Test Diagram

Spectrum



Dimension Drawing

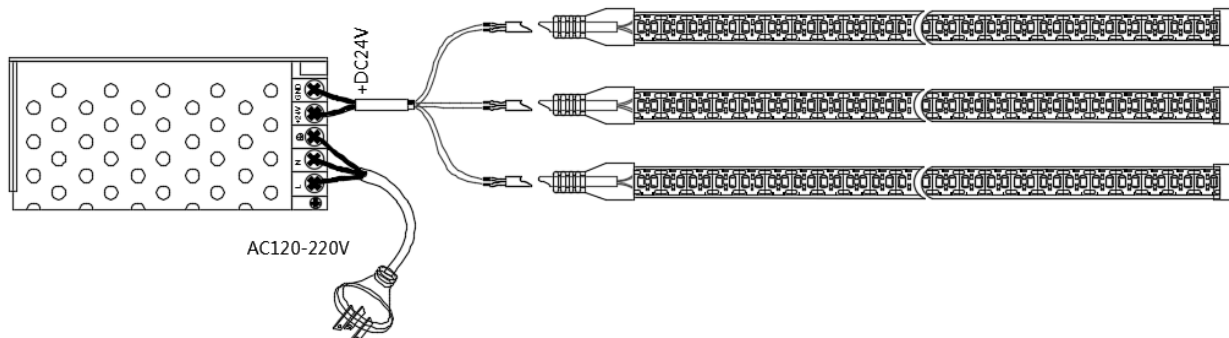


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
E20	300±10mm	Φ4.0±0.2mm	5,000±50mm	10±0.5mm	1.2±0.2mm	/	/	/
	11.81±0.39in	0.156±0.008in	196.8±1.97in	0.32±0.02in	0.047±0.02in	/	/	/
R67	315±10mm	Φ6.0±0.2mm	5,020±50mm	12±0.5mm	4.5±0.5mm	7.0±1mm	11±0.5mm	14±0.5mm
	12.40±0.39in	0.236±0.008in	197.6±1.97in	0.39±0.02in	0.20±0.02in	0.28±0.02in	0.43±0.02in	0.47±0.02in



Remarks:

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



Circuit Diagram



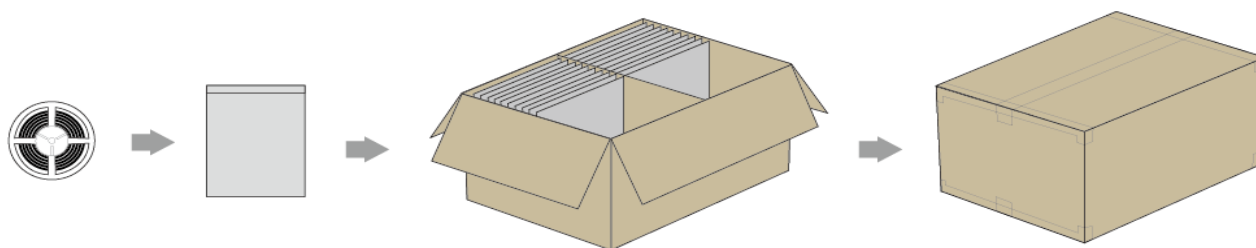
Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	/	/	/	/	/
	/	/	/	/	/
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	

Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102BPWP-10(10MM)	≤240LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102BPOP-10(10MM)	≤240LEDs/M

Packaging Diagram













Packaging Diagram




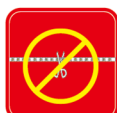












IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
B 20	250*270*0.14mm	/	/	440*400*260mm	40	3.50KG ±10%	6.17KG ±10%	0.04576m3
	9.84*10.63*0.0056 in	/	/	17.32*15.748*10.236 in	40	7.72Lbs ±10%	13.60Lbs ±10%	1.616ft3
R 67	270*300*0.14mm	/	/	520*370*300mm	36	11.86KG ±10%	14.64KG ±10%	0.05772m3
	10.63*11.81*0.0056 in	/	/	20.47*14.567*11.811 in	36	26.15Lbs ±10%	32.28Lbs ±10%	2.038ft3


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.**