V1.2

Product Specification

DC Flexible LED Strip

Full spectrum Series

2835 LED 8mm FPC 140LEDs/M

WW-FLS102T23XW140X-24(WCP)-FS-ME
&
WW-FLS102T23XW140X-24(WCP)-FS-ME-EP

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Tel : (86) 755 8601 9190
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Product Features

- High quality FPC, authentic 3M tape
- Full spectrum 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 Waterproof Type	B 20	 F 65	 R 67
	Naked Strip	Silicone Tube	Silicone Extrusion
	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-FLS102T23XW140X-24(WCP)-FS-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)	Rated voltage
B 20	WW-FLS102T23XW140B-24(WCP)-FS-ME	95	95	102	6.80	7.48	Warm White	2700K	/	630	DC 24V
							Warm White	3000K	/	630	
							Warm White	3500K	/	650	
							Natural White	4000K	/	680	
							Standard White	6000K	/	700	
F 65	WW-FLS102T23XW140F-24(WCP)-FS-ME	95	95	102	6.80	7.48	Warm White	2700K	/	610	DC 24V
							Warm White	3000K	/	610	
							Warm White	3500K	/	640	
							Natural White	4000K	/	650	
							Standard White	6000K	/	670	
R 67	WW-FLS102T23XW140R-24(WCP)-FS-ME	95	95	102	6.80	7.48	Warm White	2700K	/	600	DC 24V
							Warm White	3000K	/	600	
							Warm White	3500K	/	630	
							Natural White	4000K	/	640	
							Standard White	6000K	/	660	

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℃.
- Test while turning on.

WW-FLS102T23XW140X-24(WCP)-FS-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	Rated voltage
B 20	WW-FLS102T23XW140B-24(WCP)-FS-ME-EP	95	95	102	7.20	7.92	Warm White	2700K	640	89	F	DC 24V
							Warm White	3000K	640	89	F	
							Warm White	3500K	660	92	F	
							Natural White	4000K	690	96	F	
							Standard White	6000K	710	99	F	
F 65	WW-FLS102T23XW140F-24(WCP)-FS-ME-EP	95	95	102	7.20	7.92	Warm White	2700K	620	86	F	DC 24V
							Warm White	3000K	620	86	F	
							Warm White	3500K	650	90	F	
							Natural White	4000K	660	92	F	
							Standard White	6000K	680	94	F	
R 67	WW-FLS102T23XW140R-24(WCP)-FS-ME-EP	95	95	102	7.20	7.92	Warm White	2700K	610	85	G	DC 24V
							Warm White	3000K	610	85	G	
							Warm White	3500K	640	89	F	
							Natural White	4000K	650	90	F	
							Standard White	6000K	670	93	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".

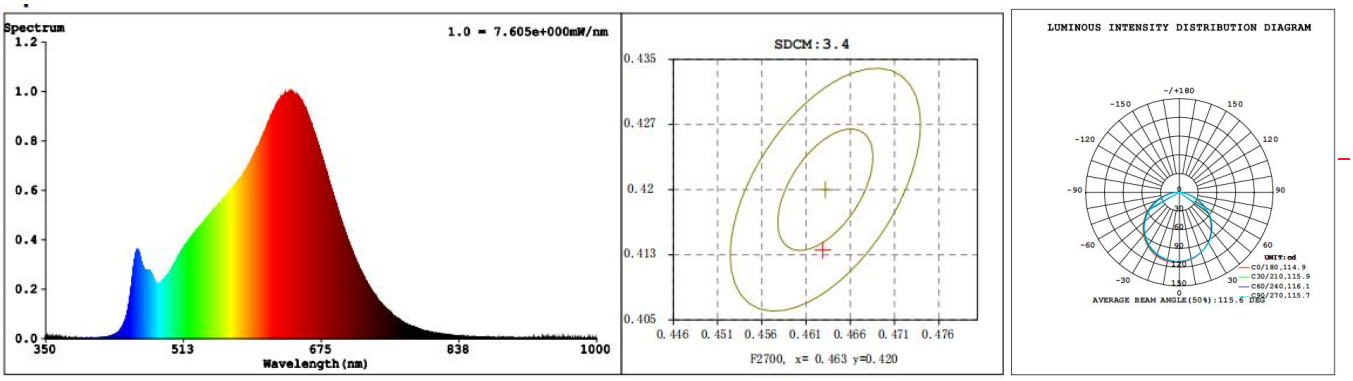
Test condition of above technical data:

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

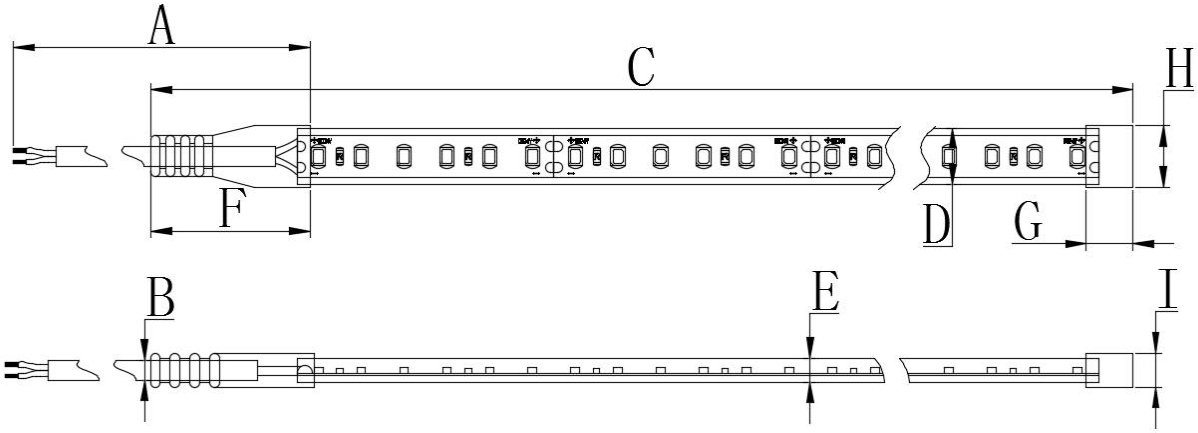
ErP Note:

- 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

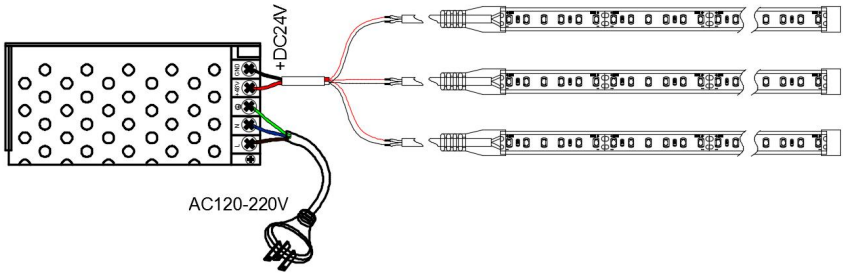


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Front cap length	G End cap length	H Cap width	I Cap thickness
B 20	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	1.2±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.31±0.02in	0.047±0.02in	/	/	/	/
F 65	300±10mm	Φ4.0±0.2mm	5020±50mm	10±0.5mm	4.5±0.5mm	30±0.5mm	10±0.5mm	12±0.5mm	7.0±0.5mm
	11.81±0.39in	0.16±0.01in	197.64±1.97in	0.39±0.02in	0.19±0.02in	1.18±0.02in	0.39±0.02in	0.49±0.02in	0.28±0.02in
R 67	300±10mm	Φ6.0±0.2mm	5020±50mm	10±0.5mm	5±0.5mm	30±0.5mm	10±0.5mm	12±0.5mm	7.0±0.5mm
	11.81±0.39in	0.25±0.008 in	197.64±1.97in	0.39±0.02in	0.20±0.02in	1.18±0.02in	0.39±0.02in	0.49±0.02in	0.28±0.02in

Remarks:

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

Circuit Diagram



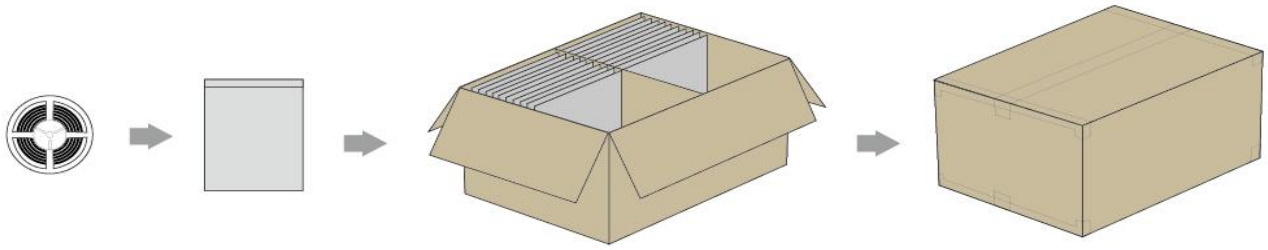
Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	/	/	/	/	/
F 65	Connection Accessories	Front cap+End cap+Cable		WW-FLS102R-CW (10mm)	8mm Type F
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
R 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102R-CW (10mm)	8mm Type R
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

Optional Accessories

IP Level	Category	Description	Picture	Part No.	Density
B 20	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-P0W20-08	≤140LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-POP20-08	≤140LEDs/M
F 65	/	/	/	/	/
R 67	/	/	/	/	/

Packaging Diagram



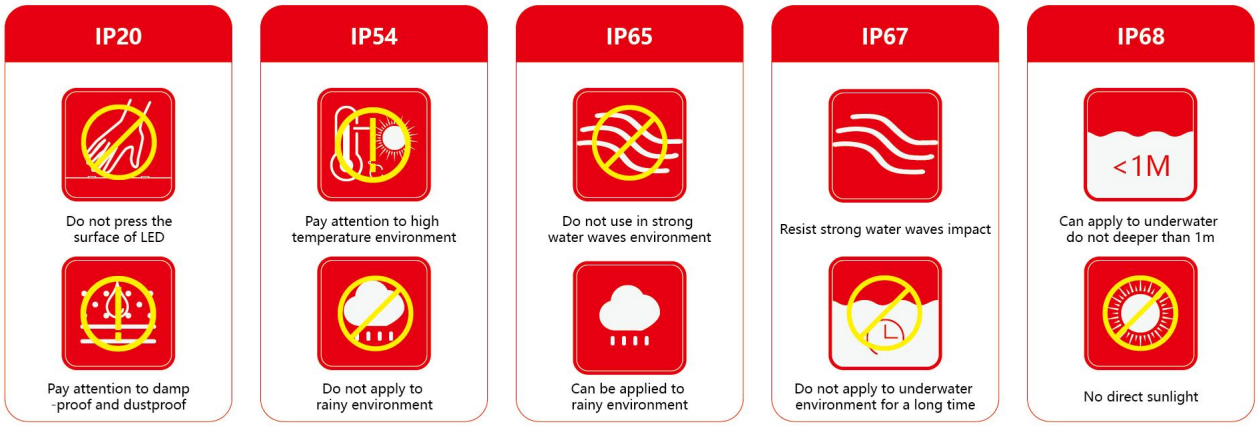
Packaging information

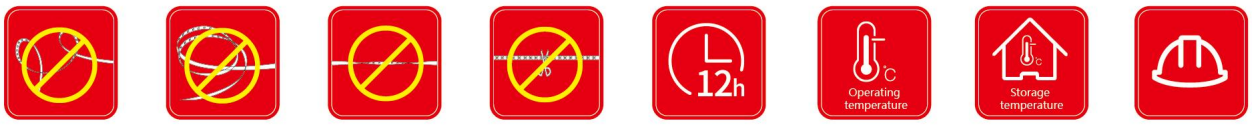
IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
B 20	250*270*0.14mm	/	/	440*400 *260mm	60	4.50KG±10%	9.27KG±10%	0.04576 m3
	9.84*10.63*0.0056 in	/	/	17.32*15.748 *10.236 in	60	9.92Lbs±10%	20.43Lbs±10%	1.616 ft3
F 65	250*270*0.14mm	/	/	440*400 *260mm	40	8.60 KG±10%	14.48 KG±10%	0.04576m3
	9.84*10.63*0.0056 in	/	/	17.32*15.748 *10.236 in	40	18.95Lbs±10%	31.92 KG±10%	1.616 ft3
R 67	270*300*0.14mm	/	/	520*370*300mm	36	10.62 KG±10%	16.14 KG±10%	0.05772m3
	10.63*11.81*0.0055 in	/	/	20.47*14.57*11.81in	36	23.41Lbs±10%	35.28 KG±10%	2.14ft3

Remarks :

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

Cautions









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.**

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