V2.0

Product Specification

DC Flexible LED Strip

2835 6LEDs/unit Series

2835 LED 8mm FPC 060LEDs/M

WW-FLS102T28XW060X-24(WCP)-HR-LLD
&
WW-FLS102T28XW060X-24(WCP)-HR-LLD-EP

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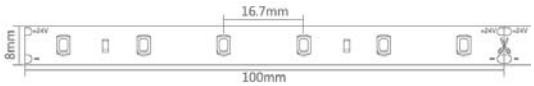
Product Features

- 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

- EN55015:2013+A1
- EN61547:2009
- EN60598-1:2015
- EN60598-2-20:2015
- EN62493:2015
- EN62471:2008

Non-ErP Waterproof Type	B 20	F 65
	Naked Strip	Silicone Tube
	1 Years Warranty	1 Years Warranty

ErP Waterproof Type	B 20	F 65
	Naked Strip	Silicone Tube
	1 Years Warranty	1 Years Warranty

WW-FLS102T28XW060X-24(WCP)-HR-LLD

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-FLS102T28XW060B-24(WCP)-HR-LLD	80	82	96	5.50	6.60	Warm White	3000K	/	560	DC 24V
							Natural White	4000K	/	590	
							Standard White	6500K	/	590	
F 65	WW-FLS102T28XW060F-24(WCP)-HR-LLD	80	82	96	5.50	6.60	Warm White	3000K	/	544	DC 24V
							Natural White	4000K	/	560	
							Standard White	6500K	/	572	

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 ±20% (subject to the manufacturer's instrument test).

Test condition of above technical data:

- Surrounding temperature: 26℃.
- Test while turning on.

WW-FLS102T28XW060X-24(WCP)-HR-LLD-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-FLS102T28XW060B-24(WCP)-HR-LLD-EP	80	82	96	5.84	7.00	Warm White	3000K	560	96	F	DC 24V
							Natural White	4000K	590	101	F	
							Standard White	6500K	590	101	F	
F 65	WW-FLS102T28XW060F-24(WCP)-HR-LLD-EP	80	82	96	5.84	7.00	Warm White	3000K	543	93	F	DC 24V
							Natural White	4000K	561	96	F	
							Standard White	6500K	572	98	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".

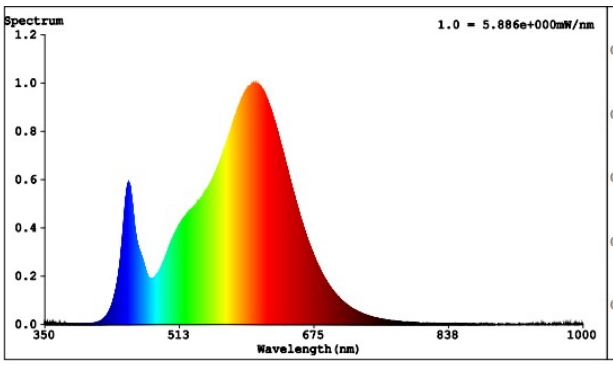
Test condition of above technical data:

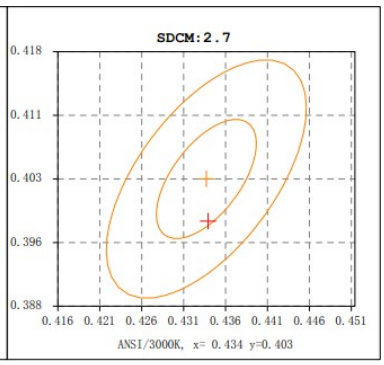
- Surrounding temperature: 26 ℃.
- Test after 10 mins turned on.

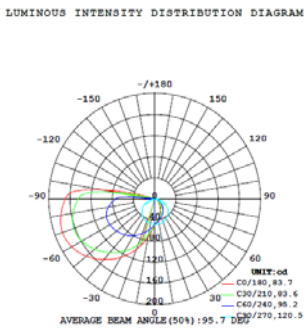
ErP Note:

- 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.

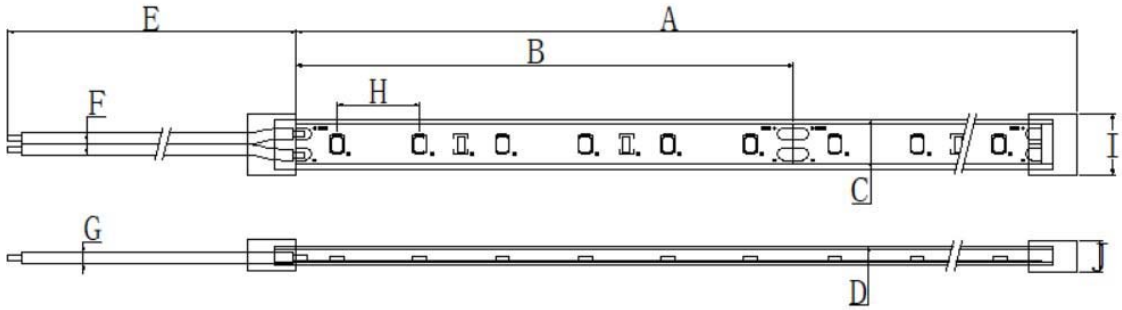
Optical Test Diagram







Dimension Drawing

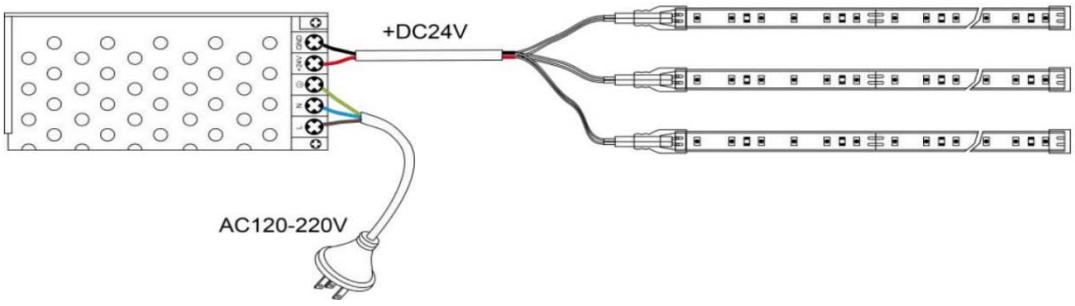


IP Grade	A Strip length	B Cutting unit length	C Strip width	D Strip thickness	E Cable length	F Cable Width	G Cable Thickness	I Cap width	J Cap thickness
B 20	5000±50mm	100±0.2mm	8±0.5mm	1.3±0.5mm	150±10mm	4.4±0.2mm	2.2±0.2mm	/	/
	196.85±1.97in	3.94±0.01in	0.315±0.02in	0.051±0.02in	5.91±0.39in	0.173±0.01in	0.087±0.01in	/	/
F 65	5000±50mm	100±0.2mm	10±0.5mm	3.9±0.5mm	150±10mm	4.4±0.2mm	2.2±0.2mm	12.3±0.5mm	6.3±0.5mm
	196.85±1.97in	3.94±0.01in	0.393±0.02in	0.154±0.02in	5.91±0.39in	0.173±0.01in	0.087±0.01in	0.484±0.02in	0.248±0.02in

Remarks:

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

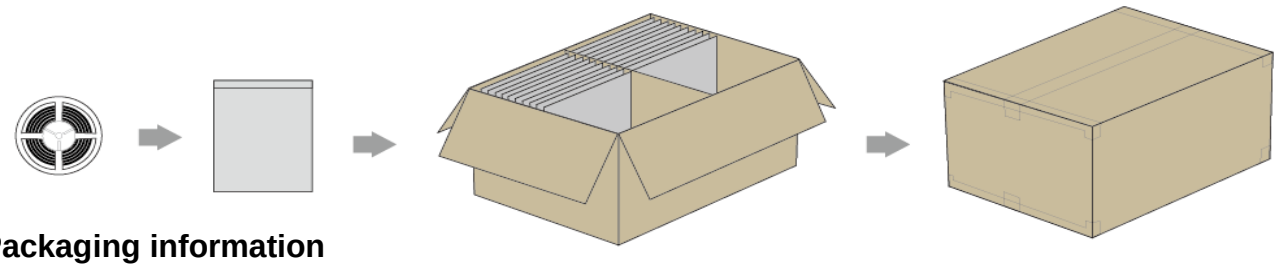
Circuit Diagram



Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
IP 20	/	/	/	/	/
IP 65	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

Packaging Diagram



Packaging information

Ingress protection rating	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
IP 20	270*300*0.14mm	/	/	440*400 *260mm	8	3.442KG ±10%	7.654KG ±10%	0.04576 m³
	10.63*11.81*0.0056in	/	/	17.32*15.75 *10.24 in	8	7.581Lbs ±10%	16.83Lbs ±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℃~+45℃ (-4℉~+113℉)

0℃~+60℃ (32℉~+140℉)

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 minumum 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.**

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