V2.1

Product Specification

DC Flexible LED Strip

Optical Angle control Series

2835 Top LED 8mm FPC 128LEDs/M

WW-FLS102T60XW128B-24(WCP)-HR
&
WW-FLS102T60XW128B-24(WCP)-HR-EP

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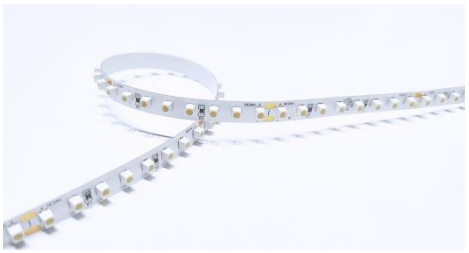
Fax : (852) 3152 3039

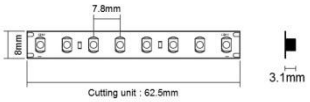
China Factory :
Zhiyang Science and Technology Park, 10 Zhiyang Road, Zhangge,
Fucheng Street, Longhua District, Shenzhen, Guangdong, China

Tel : (86) 755 8601 9190
Fax : (86) 755 8601 9197

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
- 60 degree in beam angle without external lens





2835 128LEDs/m. 8LEDs/unit

Technology info

- Lighting Technology: LED
- DLS or NDLS: DLS
- 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	
	Naked Strip
	3 Years Warranty

ErP Waterproof Type	
	Naked Strip
	3 Years Warranty

WW-FLS102T60XW128B-24(WCP)-HR

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)*	Typ. Luminous Flux LM/M(39.37in)	Rated voltage
IP20	WW-FLS102T60WW128B-24(WCP)-HR	80	82	96	8.8	9.68	Warm White	2650-2850K	690	DC 24V
	WW-FLS102T60WW128B-24(WCP)-HR						Warm White	2850-3050K	690	
	WW-FLS102T60NW128B-24(WCP)-HR						Natural White	3850-4250K	720	
	WW-FLS102T60SW128B-24(WCP)-HR						Standard White	5900-6500K	690	

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℃.
- Test while turning on.
- The above technical data, including typical power are based on the test of 0.5m.

WW-FLS102T60XW128B-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')**	Useful Luminous Flux (Lm/m)***	Efficiency Lm/W ****	ηTM (Lm/W) *****	Energy Efficiency class	Rated voltage
B 20	WW-FLS102T60WW128B-24(WCP)-HR-EP	80	82	96	9.2	10.12	Warm White	2700K	740	512	80.4	60.6	G	DC 24V
	WW-FLS102T60WW128B-24(WCP)-HR-EP						Warm White	3000K	740	512	80.4	60.6	G	
	WW-FLS102T60NW128B-24(WCP)-HR-EP						Natural White	4000K	740	570	80.4	67.5	G	
	WW-FLS102T60SW128B-24(WCP)-HR-EP						Standard White	6500K	740	530	80.4	62.7	G	

Remarks:

- *The above color temperature is the color temperature of LED source.
- **Luminous Flux means the total flux emitted in a solid angle of 4π sr (corresponding to a 360° sphere);
- ***For directional light sources with beam angle < 90° it is the flux emitted in a solid angle of 0,586π sr (corresponding to a cone with angle of 90°), for more information, please check the IES file.
- ****Efficiency=Luminous Flux ÷ Typical Power
- *****According to the new Erp 2019/2020 regulations , ηTM to DLS not operating on mains = Useful Luminous ÷ Typical Power × 1.089

Test condition of above technical data:

- Surrounding temperature: 26 ℃.
- Test after 10 mins turned on.
- The above technical data, including typical power are based on the test of 0.5m.

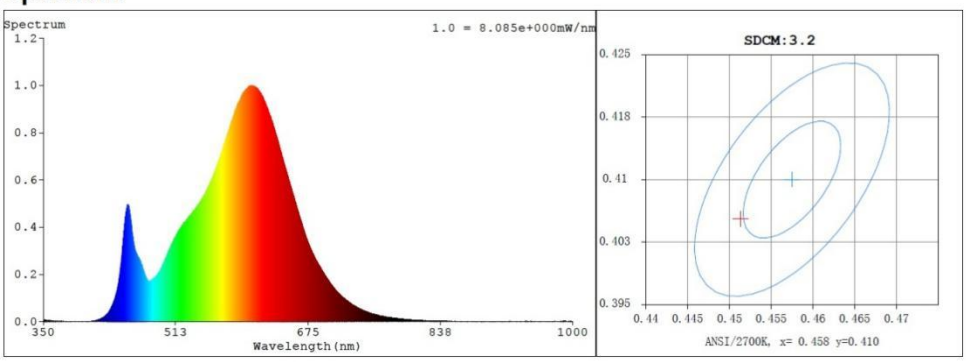
ErP Note:

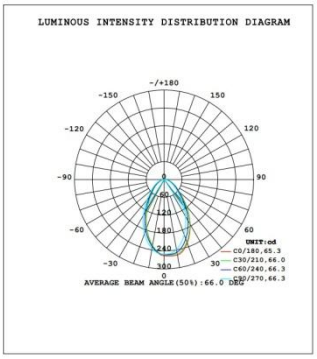
According to the new ErP 2019/2020 regulations for each 0.5m or nearest 0.5m strip, the following requirements must be met:

- Measured power ≤ Pon +5% ;
- Measured Useful luminous flux ≥Useful luminous flux -10%;
- Measured CRI ≥ Declared CRI-2

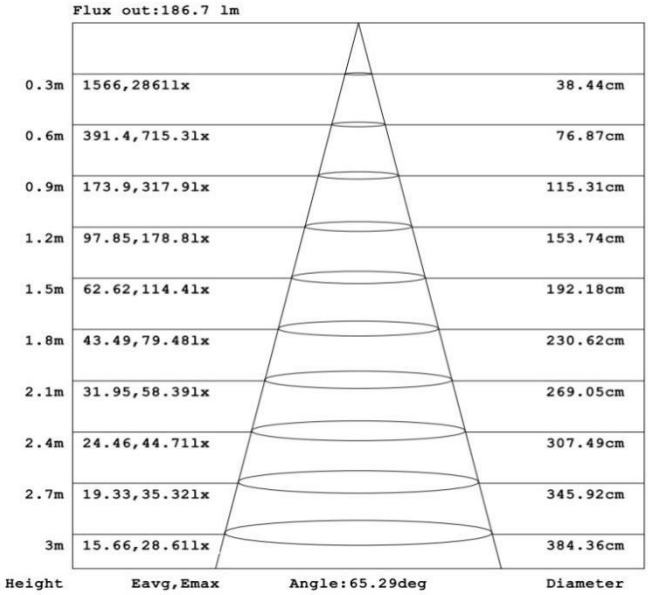
Optical Test Diagram

Spectrum

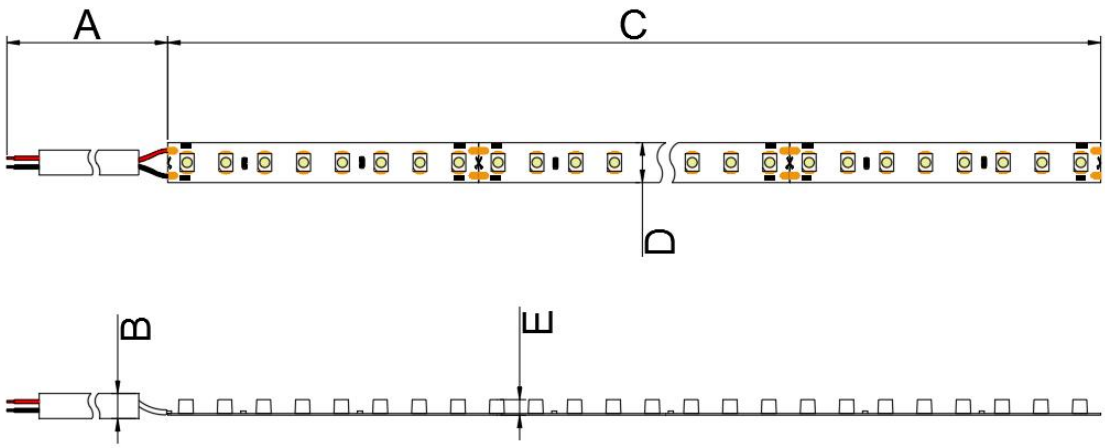




Average Illuminance Figure

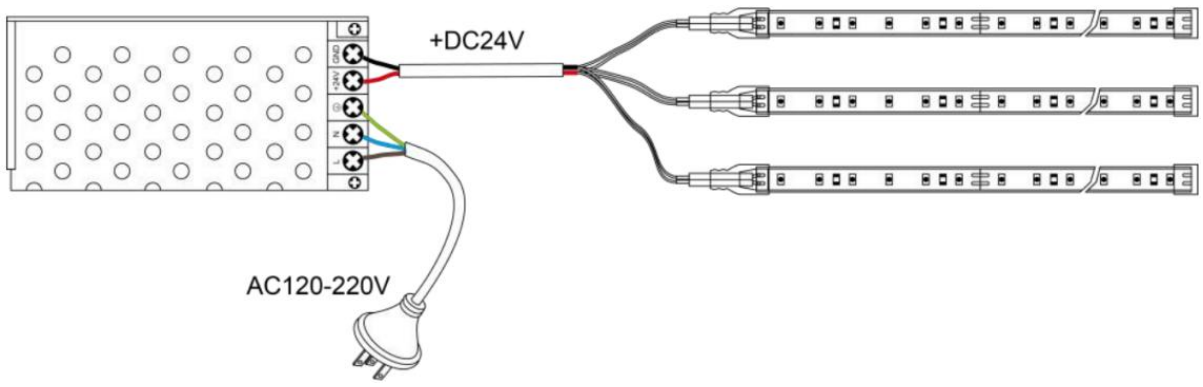


Dimension Drawing

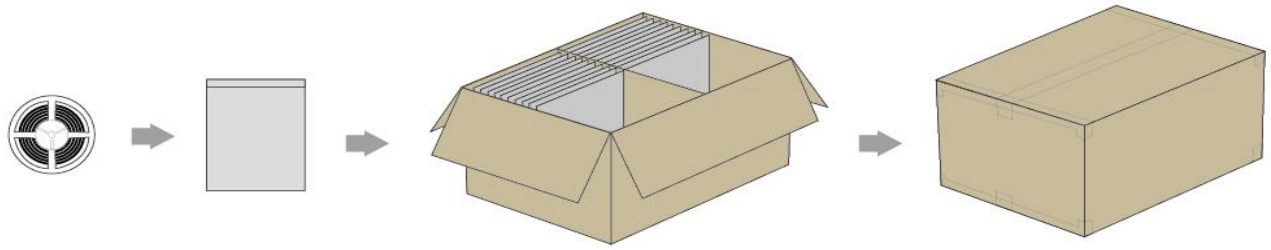


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
B 20	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	3.1±0.5mm	/	/	/
	11.81±0.39in	0.157±0.01in	196.8±1.97in	0.315±0.02in	0.122±0.02in	/	/	/

Circuit Diagram



Packaging Diagram



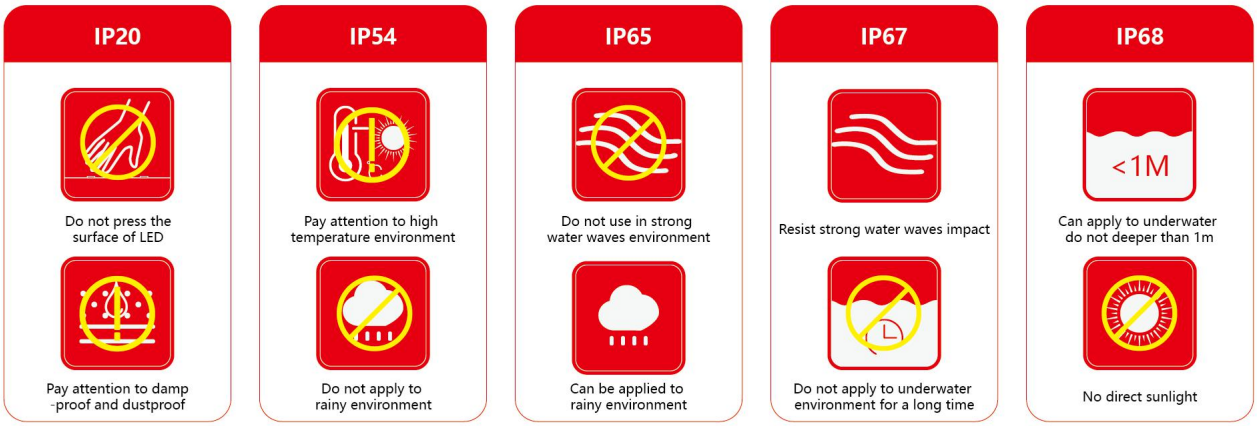
Packaging Information

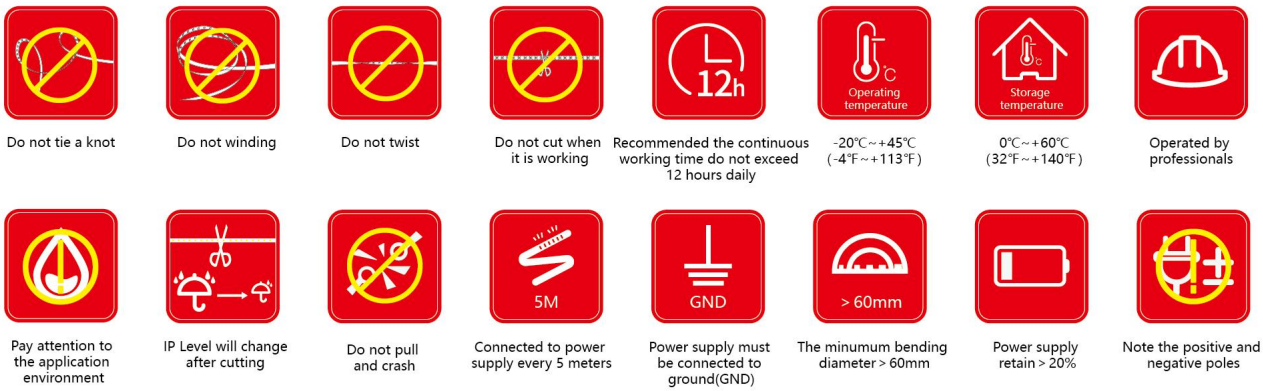
IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
B 20	250*270*0.14mm	/	/	440*400 *260mm	60	4.4KG ±10%	8.35KG ±10%	0.04576m³
	9.84*10.63*0.0056in	/	/	17.32*15.75 *10.24 in	60	9.70Lbs ±10%	18.41Lbs ±10%	1.616ft³

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.**