

Product Specification

DC Flexible LED Strip

Multi-Color RGB+TW Series

5050RGB+2016X2 Top LED 14mm FPC 180LEDs/M

WW-FLS103T58FD180B-24(WCP)-UR



HK Office :

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

China Factory :

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

Tel : (852) 3152 3059 (10 lines)

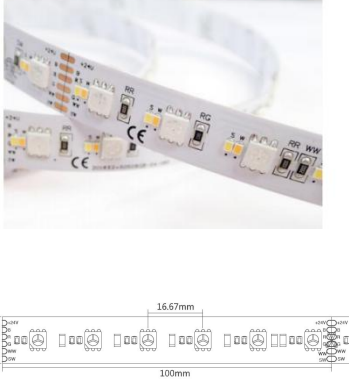
Fax : (852) 3152 3039




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 5050RGB+2016LED; • Light source lifetime:50K hours(L70); • Min. Bending Diameter: Φ60mm • Max. length(M): 5M • LED SDCM≤6 	
<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"> • EN55015:2013+A1 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008

Waterproof Type	
	Naked Strip
	3 Years Warranty

WW-FLS103T58FD180B-24(WCP)-UR

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-FLS103T58FD180B-24(WCP)-UR	90	90	100	26.40	31.68	Red	620-630nm	/	1510	DC 24V
							Green	515-525nm	/		
							Blue	465-475nm	/		
							Warm White	2300-2600K	/		
							Standard White	5700-6500K	/		

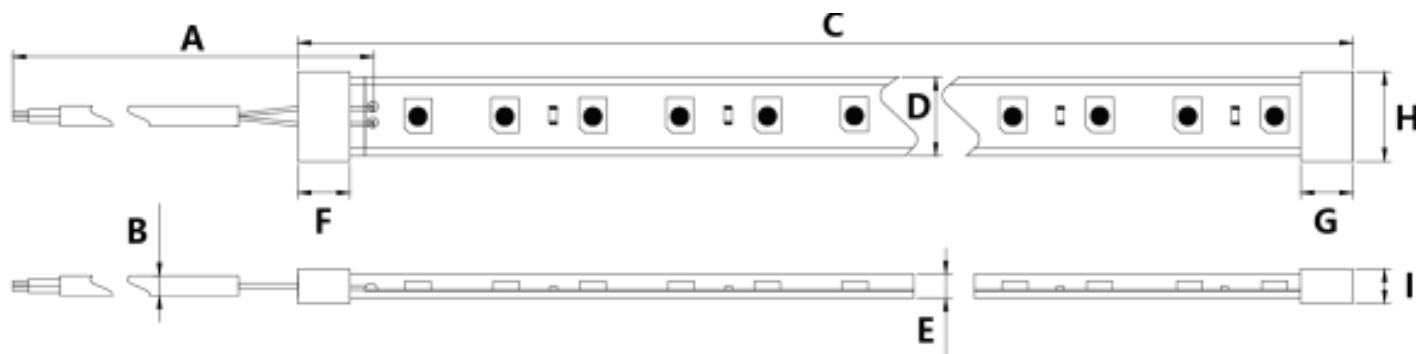
Remarks:

- *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°C.
- Test while turning on.

Dimension Drawing

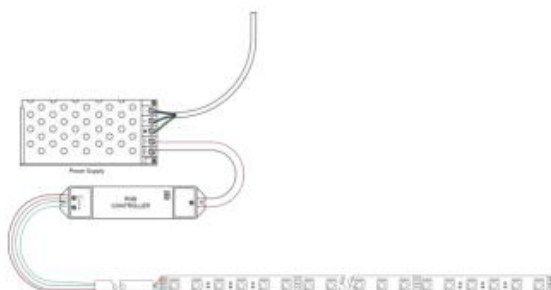


IP Grade	A	B	C	D	E	F	G	H	I
	Cable Length	cable diameter	Strip length	Strip width	Strip thickness	Front cap length	End cap length	Cap width	Cap thickness
E 20	300±10mm	Φ6.0±0.2mm	5000±50mm	14±0.5mm	2.1±0.5mm	/	/	/	/
	11.81±0.39in	0.236±0.01in	196.85±1.97in	0.55±0.02in	0.083±0.02in	/	/	/	/

Remarks:

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

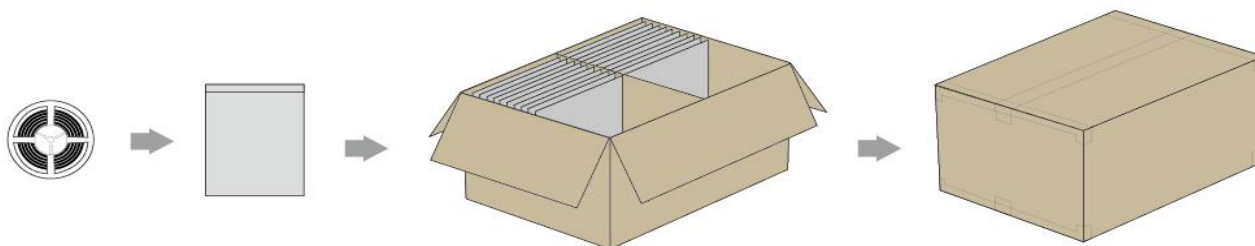
Circuit Diagram



Optional Accessories

IP Level	Category	Description	Picture	Part No.	Density
E 20	Strip to Strip	14mm board width RGBW B lamp with connector		WW-FLS103B-DD6(14mm)	≤180LEDs/M
	Strip to Strip	14mm board width RGBW B lamp with connecting wire at both ends		WW-FLS103B-FD6(14mm)	≤180LEDs/M
	Strip to wire Connector	14mm board width RGBW B lamp with single end connecting wire		WW-FLS103B-FS6(14mm)	≤180LEDs/M

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			
E20	250*270*0.14mm	/	/	440*400 *260mm	36	7.25KG ±10%	8.58 KG ±10%	0.04576 m3
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24in	36	16 Lbs ±10%	18.92 Lbs ±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°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.**