

Product Specification

DC Flexible LED Strip

Multi-Color RGB Series

5050 Top LED 10mm FPC 084LEDs/M

WW-FLS201T50FC084B-24(WCP)-IC



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


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 5050 LED; • Light source lifetime:50K hours(L70); • 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

Waterproof Type	
	Naked Strip
	3 Years Warranty

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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-FLS201T50FC084B-24(WCP)-IC	/	/	/	16.80	20.16	Red	620-630nm	/	580	DC 24V
							Green	515-525nm	/		
							Blue	465-475nm	/		

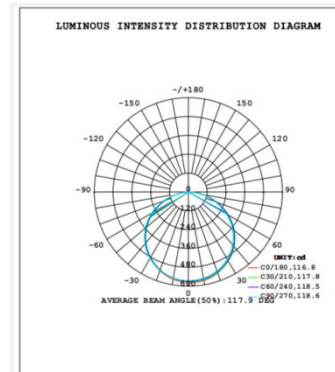
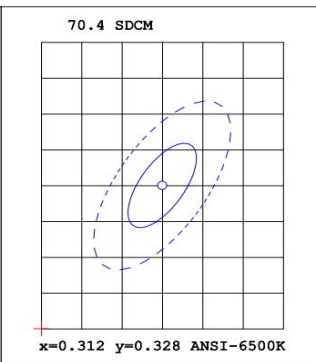
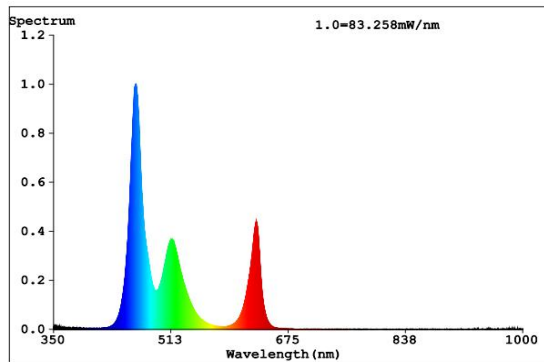
Remarks:

- *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 $\pm 20\%$ (subject to the manufacturer's instrument test).

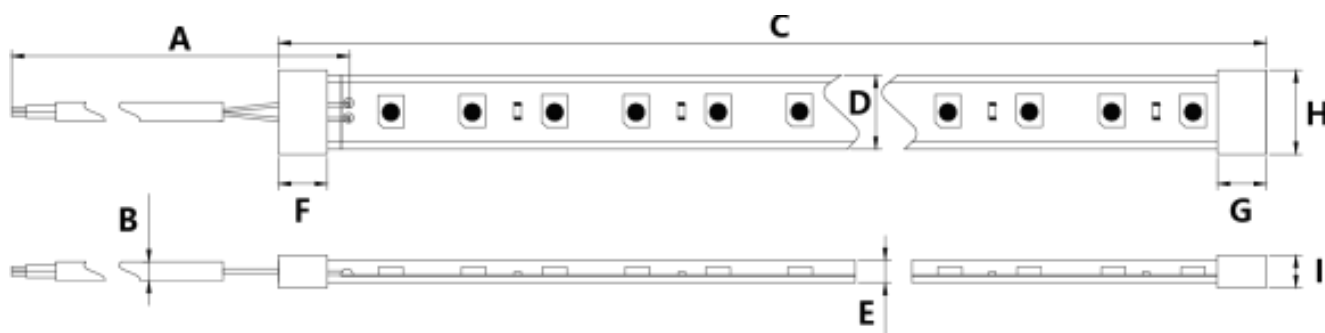
Test condition of above technical data:

- Surrounding temperature: 26°C.
- Test while turning on.

Optical Test Diagram



Dimension Drawing

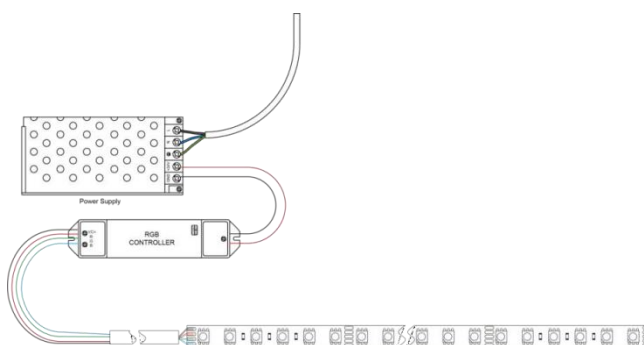


IP Grade	A	B	C	D	E	F	G	H	I
	Cable Length	cable diameter	Strip length	Strip width	Strip thickness	Front cap length	End cap length	Cap width	Cap thickness
E 20	300±10mm	Φ6.0±0.5mm	5000±50mm	10.0±0.5mm	1.8±0.5mm	/	/	/	/
	11.81±0.39in	0.236±0.02in	196.85±1.97in	0.394±0.02in	0.072±0.02in	/	/	/	/







Remarks:

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

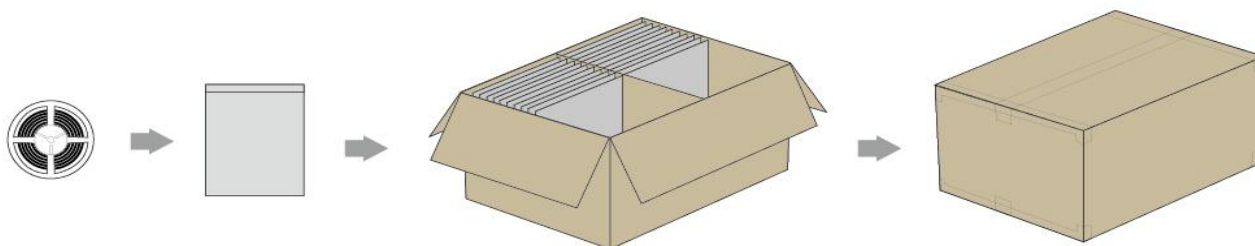
Circuit Diagram



Standard Accessories

IP Level	Category	Description	Picture	Part No.	Density
E 20	Strip to Strip	FLS103 RGB fast two terminal connector		WW-FLS103B-FD4 (10mm)	≤84LEDs/M
	Strip to wire Connecto	FLS103 RGB fast single end connector		WW-MLB-00SE4BB-10	≤84LEDs/M
	Strip to Strip	10 mm wide RGB light with connector		WW-FLS103B-2DD4(10MM)	≤84LEDs/M
	Strip to wire Connecto	15cm long and 10 mm wide RGB lamp with single end connecting wire		WW-FLS103B-2FS4(10MM)	≤84LEDs/M
	Strip to Strip	15cm length and 10 mm board width RGB lamp with connecting wires at both ends		WW-FLS103B-2FD4(10MM)	≤84LEDs/M
	Strip to wire Connecto	Lamp belt connector wire board		WW-MLB-00SE4XB-10	≤84LEDs/M

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	250*270*0.14mm	/	/	440*400*260mm	50	4.97KG ±10%	10.71 KG ±10%	0.04576 m3
	9.84*10.63*0.0056 in	/	/	17.32*15.748*10.236 in	50	10.95Lbs ±10%	23.6Lbs ±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.**