
Product Specification

DC Flexible LED Strip

Multi color RGBW Series

5050RGBW Top LED 12mm FPC 60LEDs/M

WW-FLS103T55FX060X-24(WCP)-HR-LD

&

WW-FLS103T55FX060X-24(WCP)-HR-EP-LD



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)

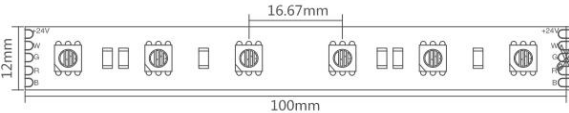
Fax : (852) 3152 3039



Tel : (86) 755 8601 9190



Fax : (86) 755 8601 9197

Product Features • High quality FPC, authentic 3M tape; • Self-encapsulated design 5050 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			
	Naked Strip	Silicone Tube	Silicone Extrusion
	3 Years Warranty	3 Years Warranty	3 Years Warranty

ErP Waterproof Type			
	Naked Strip	Silicone Tube	Silicone Extrusion
	3 Years Warranty	3 Years Warranty	3 Years Warranty

WW-FLS103T55FX060X-24(WCP)-HR-LD

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-FLS103T55FW060B-24(WCP)-HR-LD	80	80	96	17.5	21.00	RGB+ Warm White	RGB+ 2300-2600K	RGB+ 2300-2600K	950	DC 24V
	WW-FLS103T55FW060B-24(WCP)-HR-LD						RGB+ Warm White	RGB+ 2600-2900K	RGB+ 2650-2770K	950	
	WW-FLS103T55FW060B-24(WCP)-HR-LD						RGB+ Warm White	RGB+ 2900-3200K	RGB+ 2960-3110K	960	
	WW-FLS103T55FN060B-24(WCP)-HR-LD						RGB+ Natural White	RGB+ 3700-4250K	RGB+ 3840-4080K	980	
	WW-FLS103T55FS060B-24(WCP)-HR-LD						RGB+ Standard White	RGB+ 5700-6500K	RGB+ 5800-6250K	975	
F 65	WW-FLS103T55FW060F-24(WCP)-HR-LD	80	82	96	17.50	21.00	RGB+ Warm White	RGB+ 2300-2600K	RGB+ 2300-2600K	920	DC 24V
	WW-FLS103T55FW060F-24(WCP)-HR-LD						RGB+ Warm White	RGB+ 2600-2900K	RGB+ 2650-2770K	935	
	WW-FLS103T55FW060F-24(WCP)-HR-LD						RGB+ Warm White	RGB+ 2900-3200K	RGB+ 2960-3110K	945	
	WW-FLS103T55FN060F-24(WCP)-HR-LD						RGB+ Natural White	RGB+ 3700-4250K	RGB+ 3840-4080K	965	
	WW-FLS103T55FS060F-24(WCP)-HR-LD						RGB+ Standard White	RGB+ 5700-6500K	RGB+ 5800-6250K	960	
R 67	WW-FLS103T55FW060R-24(WCP)-HR-LD	80	82	96	17.50	21.00	RGB+ Warm White	RGB+ 2300-2600K	RGB+ 2300-2600K	915	DC 24V
	WW-FLS103T55FW060R-24(WCP)-HR-LD						RGB+ Warm White	RGB+ 2600-2900K	RGB+ 2650-2770K	915	
	WW-FLS103T55FW060R-24(WCP)-HR-LD						RGB+ Warm White	RGB+ 2900-3200K	RGB+ 2960-3110K	940	
	WW-FLS103T55FN060R-24(WCP)-HR-LD						RGB+ Natural White	RGB+ 3700-4250K	RGB+ 3840-4080K	965	
	WW-FLS103T55FS060R-24(WCP)-HR-LD						RGB+ Standard White	RGB+ 5700-6500K	RGB+ 5800-6250K	955	

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

WW-FLS103T55FX060X-24(WCP)-HR-EP-LD

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-FLS103T55FX060B-24(WCP)-HR-EP-LD	/	/	/	3.5	4.2	RED	625-635nm	94	26	/	DC 24V
	WW-FLS103T55FX060B-24(WCP)-HR-EP-LD	/	/	/	4.9	5.88	GREEN	515-525nm	326	66	/	
	WW-FLS103T55FX060B-24(WCP)-HR-EP-LD	/	/	/	4.7	5.64	BLUE	465-475nm	78	16	/	
	WW-FLS103T55FW060B-24(WCP)-HR-EP-LD	80	82	96	5.00	5.5	Warm White	2500K	450	90	F	
	WW-FLS103T55FW060B-24(WCP)-HR-EP-LD						Warm White	2700K	470	94	F	
	WW-FLS103T55FW060B-24(WCP)-HR-EP-LD						Warm White	3000K	480	96	F	
	WW-FLS103T55FN060B-24(WCP)-HR-EP-LD						Natural White	4000K	510	102	F	
	WW-FLS103T55FS060B-24(WCP)-HR-EP-LD						Standard White	6000K	510	102	F	
F 65	WW-FLS103T55FX060F-24(WCP)-HR-EP-LD	/	/	/	3.5	4.2	RED	625-635nm	86	2	/	DC 24V
	WW-FLS103T55FX060F-24(WCP)-HR-EP-LD	/	/	/	4.9	5.88	GREEN	515-525nm	316	66	/	
	WW-FLS103T55FX060F-24(WCP)-HR-EP-LD	/	/	/	4.7	5.64	BLUE	465-475nm	76	24	/	
	WW-FLS103T55FW060F-24(WCP)-HR-EP-LD	80	82	96	5.00	5.5	Warm White	2500K	440	64	F	
	WW-FLS103T55FW060F-24(WCP)-HR-EP-LD						Warm White	2700K	460	16	F	
	WW-FLS103T55FW060F-24(WCP)-HR-EP-LD						Warm White	3000K	470	94	F	
	WW-FLS103T55FN060F-24(WCP)-HR-EP-LD						Natural White	4000K	490	98	F	
	WW-FLS103T55FS060F-24(WCP)-HR-EP-LD						Standard White	6000K	490	98	F	
R 67	WW-FLS103T55FX060R-24(WCP)-HR-EP-LD	/	/	/	3.5	4.2	RED	625-635nm	88	25	/	DC 24V
	WW-FLS103T55FX060R-24(WCP)-HR-EP-LD	/	/	/	4.9	5.88	GREEN	515-525nm	316	64	/	
	WW-FLS103T55FX060R-24(WCP)-HR-EP-LD	/	/	/	4.7	5.64	BLUE	465-475nm	76	16	/	
	WW-FLS103T55FW060R-24(WCP)-HR-EP-LD	80	82	96	5.00	5.5	Warm White	2500K	440	88	F	
	WW-FLS103T55FW060R-24(WCP)-HR-EP-LD						Warm White	2700K	460	92	F	
	WW-FLS103T55FW060R-24(WCP)-HR-EP-LD						Warm White	3000K	470	94	F	
	WW-FLS103T55FN060R-24(WCP)-HR-EP-LD						Natural White	4000K	490	98	F	
	WW-FLS103T55FS060R-24(WCP)-HR-EP-LD						Standard White	6000K	490	98	F	

Remarks:

- *The above color temperature is the color temperature of LED source.

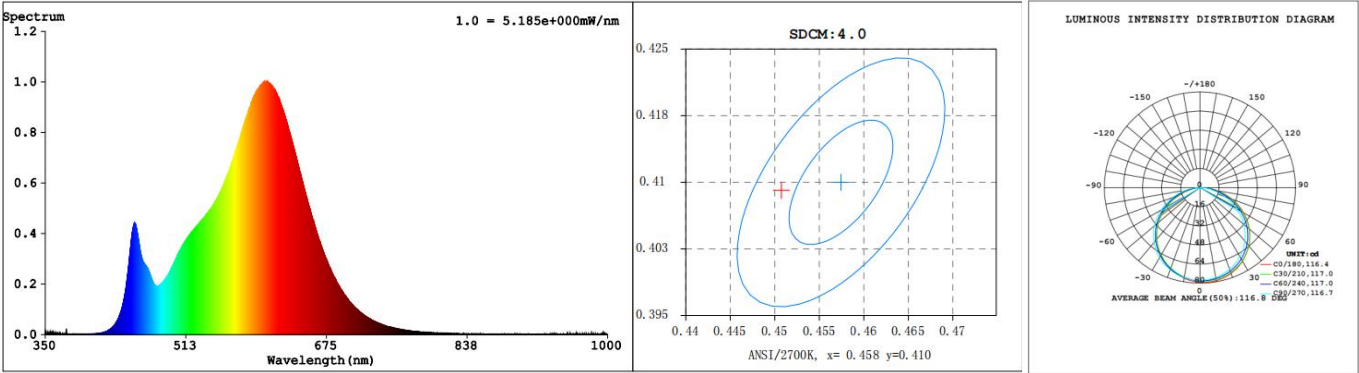
Test condition of above technical data:

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

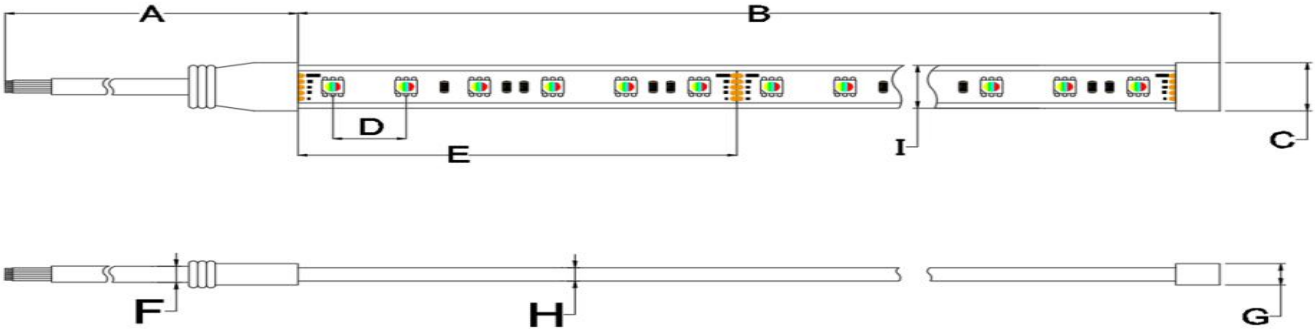
ErP Note:

- 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 $\leq$ Pon +5% ;
- Measured lumen $\geq$ Useful luminous flux -10%;
- Measured CRI $\geq$ Declared CRI-2
- The above technical data, including typical power are based on the test of 0.5m.
- The tolerance range of Power and Luminous Flux is $\pm 20\%$ (RGB Light) (subject to the manufacturer's instrument test).

Optical Test Diagram



Dimension Drawing

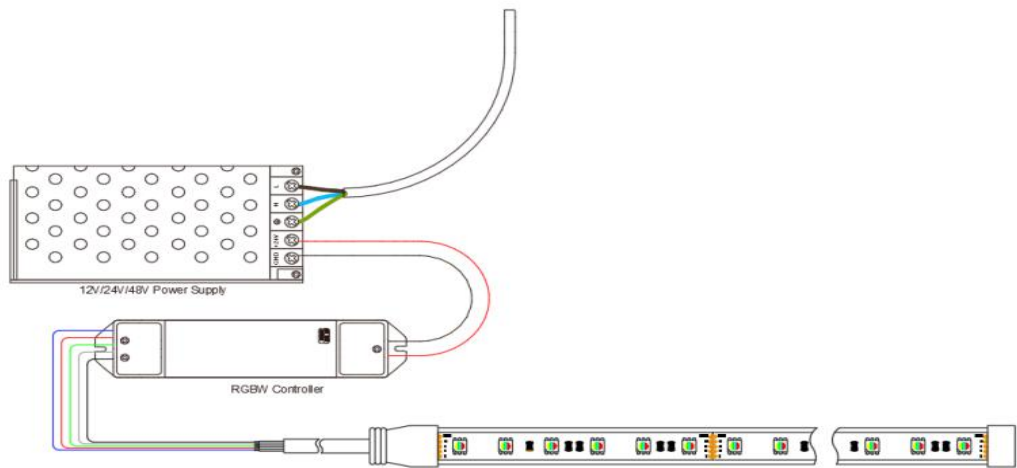


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Cap thickness	G End cap length	H Cap width
E 20	300±10mm	5000±50mm	/	16.7±0.2mm	100±0.2mm	6±0.2mm	/	2.1±0.5mm
	11.81±0.39in	196.85±1.97in	/	0.66±0.01in	3.94±0.01in	0.24±0.01in	/	0.083±0.02in
F 65	300±10mm	5020±50mm	16.5±0.5mm	16.7±0.2mm	100±0.2mm	6±0.2mm	6±0.5mm	4.0±0.5mm
	11.81±0.39in	197.64±1.97in	0.65±0.02in	0.66±0.01in	3.94±0.01in	0.24±0.01in	0.24±0.02in	0.16±0.02in
R 67	300±10mm	5020±50mm	16±0.5mm	16.7±0.2mm	100±0.2mm	6±0.2mm	6.5±0.5mm	4.5±0.5mm
	11.81±0.39in	197.64±1.97in	0.63±0.02in	0.66±0.01in	3.94±0.01in	0.24±0.01in	0.26±0.02in	0.18±0.02in

Remarks:

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

Circuit Diagram



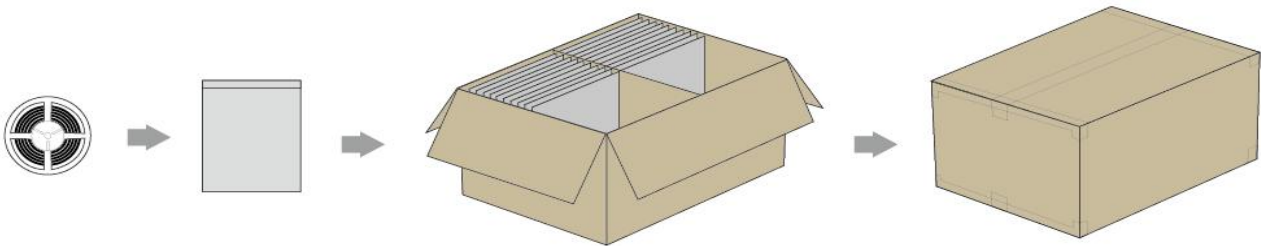
Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	/	/	/	/	/
F 65	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
R 67	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Application
B 20	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS201B-2FS5(12MM)	≤84LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS201B-2DD5(12MM)	≤84LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS201B-2FD5(12MM)	≤84LEDs/M

Packaging Diagram



Packaging Information

IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer volume
		Size	Reel/ctn	Size	Reel/ctn			
B20	250*270*0.14mm	/	/	440*400 *260mm	50	5.8 KG ±10%	9.75 KG ±10%	0.0
	9.84*10.63*0.0055 in	/	/	17.32*15.75 *10.24 in	50	12.78 Lbs ±10%	20.48 Lbs ±10%	1.0
F65	250*270*0.14mm	/	/	440*400 *260mm	36	9.4 KG ±10%	12.64 KG ±10%	0.0
	9.84*10.63*0.0055 in	/	/	17.32*15.75 *10.24 in	36	20.70 Lbs ±10%	27.84 Lbs ±10%	1.0
R67	250*270*0.14mm	/	/	440*400 *260mm	36	12.74 KG ±10%	15.95 KG ±10%	0.0
	9.84*10.63*0.0055 in	/	/	17.32*15.75 *10.24 in	36	28.06 Lbs ±10%	35.13 Lbs ±10%	1.0

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.**