

Product Specification

DC Flexible LED Strip

2016 6LEDs/unit Series

2016 Top LED 5mm FPC 120LEDs/M

WW-FLS102T21XW120X-24(WCP)(05)-UR



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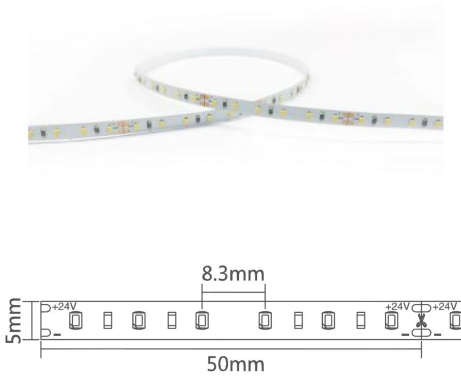
Fax : (852) 3152 3039






Tel : (86) 755 8601 9190



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<p>Product Features</p> <ul style="list-style-type: none"> • High quality FPC, authentic 3M tape; • Self-encapsulated design 2016 LED; • 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"> • EN55015:2019 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008

<p>Waterproof Type</p>	 <p>B 20</p>	 <p>F 65</p>	 <p>R 67</p>
	<p>Naked Strip</p>	<p>Silicone Tube</p>	<p>Silicone Extrusion</p>
	<p>5 Years Warranty</p>	<p>5 Years Warranty</p>	<p>5 Years Warranty</p>

WW-FLS102T21XW120X-24(WCP)(05)-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-FLS102T21XW120B-24(WCP)(05)-UR	90	90	100	13.09	14.40	Warm White	2500K	/	950	DC 24V
							Warm White	2700K	/	1000	
							Warm White	3000K	/	1020	
							Natural White	4000K	/	1145	
							Standard White	6000K	/	1145	
E 65	WW-FLS102T21XW120F-24(WCP)(05)-UR	90	90	100	13.09	14.40	Warm White	2500K	/	912	DC 24V
							Warm White	2700K	/	970	
							Warm White	3000K	/	989	
							Natural White	4000K	/	1099	
							Standard White	6000K	/	1111	
R 67	WW-FLS102T21XW120R-24(WCP)(05)-UR	90	90	100	13.09	14.40	Warm White	2500K	/	993	DC 24V
							Warm White	2700K	/	1080	
							Warm White	3000K	/	1026	
							Natural White	4000K	/	1053	
							Standard White	6000K	/	1065	

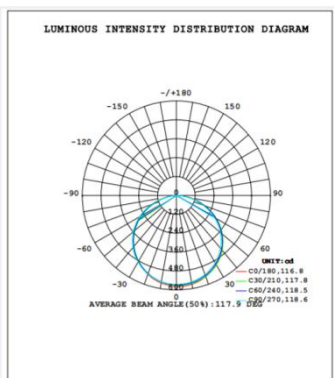
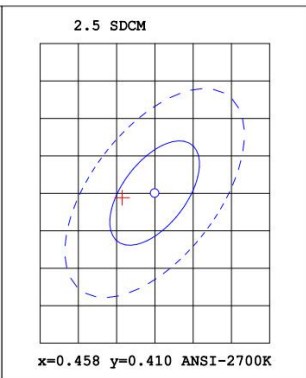
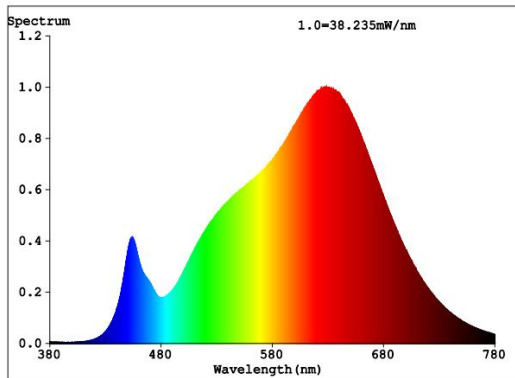
Remarks:

- *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 $\pm 10\%$ (subject to the manufacturer's instrument test).

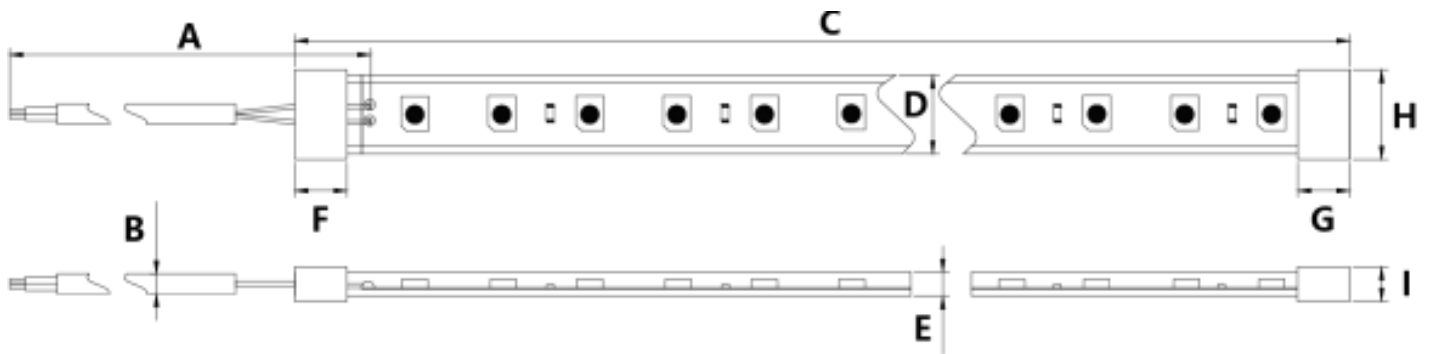
Test condition of above technical data:

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

Optical Test Diagram



Dimension Drawing

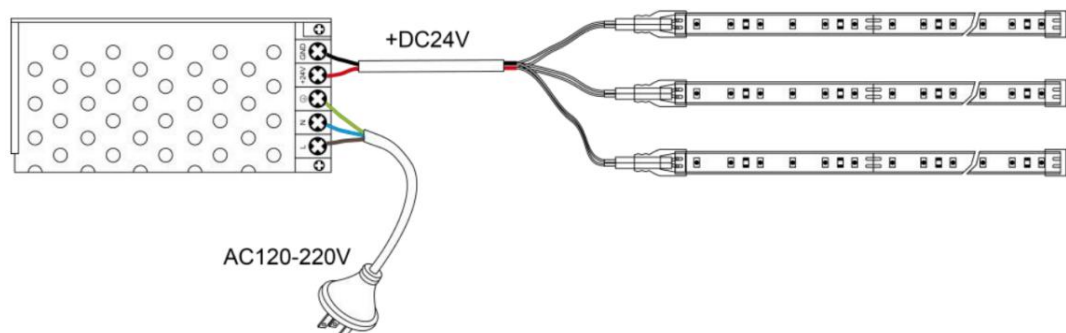


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Front cap length	G End cap length	H Cap width	I Cap thickness
E20	300±10mm	3.6±0.2mm	5000±50mm	5±0.5mm	1±0.5mm	/	/	/	/
	11.81±0.39in	0.14±0.01in	196.85±1.97in	0.2±0.02in	0.04±0.02in	/	/	/	/
E65	300±10mm	3.6±0.2mm	5020±50mm	8.5±0.5mm	3.5±0.5mm	10±0.5mm	10±0.5mm	9.5±0.5mm	4.5±0.5mm
	11.81±0.39in	0.16±0.01in	197.64±1.97in	0.34±0.02in	0.14±0.02in	0.39±0.02in	0.39±0.02in	0.374±0.02in	0.18±0.02in
E67	300±10mm	3.6±0.2mm	5020±50mm	7±0.5mm	4±0.5mm	10±0.5mm	10±0.5mm	9±0.5mm	6±0.5mm
	11.81±0.39in	0.16±0.01in	197.64±1.97in	0.275±0.02in	0.16±0.02in	0.39±0.02in	0.39±0.02in	0.35±0.02in	0.24±0.02in



Remarks:

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




Circuit Diagram



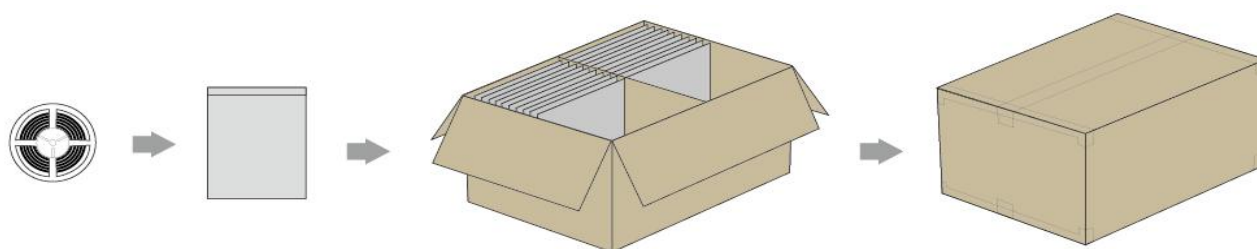
Standard Accessories

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




Optional Accessories

IP Level	Category	Description	Picture	Part No.	Density
IP 20	Strip to wire Connector	2PIN Strip to wire Connector		WW-FLS102B-FS2-05	≤120LEDs/M
	Strip to wire Connector	2PIN Strip to wire Connector		WW-FLS102B-FW2-05	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102B-FO2-05	≤120LEDs/M
IP 65	/	/	/	/	/
IP 67	/	/	/	/	/

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			
 20	220*250*0.14mm	/	/	440*400 *260mm	72	2.84KG ±10%	6.89KG ±10%	0.05 m3
	8.66*9.84*0.006 in	/	/	17.32*15.75 *10.24 in	72	6.26 Lbs ±10%	15.2Lbs ±10%	1.626 ft3
 65	250*270*0.14mm	/	/	440*400 *260mm	60	6.5KG ±10%	11.67KG ±10%	0.05 m3
	9.84*10.63*0.006 in	/	/	17.32*15.75 *10.24 in	60	14.33Lbs ±10%	25.73Lbs ±10%	1.626 ft3
 67	250*270*0.14mm	/	/	440*400 *260mm	60	8.9KG ±10%	14.07KG ±10%	0.05 m3
	9.84*10.63*0.006 in	/	/	17.32*15.75 *10.24 in	60	19.6Lbs ±10%	31Lbs ±10%	1.626 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.**