

Product Specification

DC Flexible LED Strip

2835 6LEDs/unit Series

2835 Top LED 8mm FPC 084LEDs/M

WW-FLS102T28XW084X-24(WCP)-XR



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








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<p>Product Features</p> <ul style="list-style-type: none"> • High quality FPC, authentic 3M tape; • Self-encapsulated design 2835 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

Waterproof Type	 E 20	 S 54	 K 54/65	 F 65	 R 67	 RW 67	 RM 67
	Naked Strip	Silicone Dropping	Silicone Extrusion	Silicone Tube	Silicone Extrusion	Silicone Extrusion	Silicone Extrusion
	5 Years Warranty	3 Years Warranty	5 Years Warranty	5 Years Warranty	5 Years Warranty	5 Years Warranty	5 Years Warranty

WW-FLS102T28XW084X-24(WCP)-XR

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-FLS102T28XW084B-24(WCP)-HR	80	82	96	8.73	9.60	Warm White	2500K	/	860	DC 24V
							Warm White	2700K	2700K	875	
							Warm White	3000K	3000K	900	
							Natural White	4000K	4000K	950	
							Standard White	6000K	/	950	
	WW-FLS102T28XW084B-24(WCP)-UR	90	90	100	8.73	9.60	Warm White	2700K	2700K	690	DC 24V
Warm White							3000K	3000K	720		
Natural White							4000K	4000K	800		
R 67	WW-FLS102T28XW084R-24(WCP)-HR	80	82	96	8.73	9.60	Warm White	2500K	/	800	DC 24V
							Warm White	2700K	2700K	805	
							Warm White	3000K	3000K	828	
							Natural White	4000K	4000K	874	
							Standard White	6000K	/	865	
	WW-FLS102T28XW084R-24(WCP)-UR	90	90	100	8.73	9.60	Warm White	2700K	2700K	683	DC 24V
Warm White							3000K	3000K	677		
Natural White							4000K	4000K	736		
S 54	WW-FLS102T28XW084S-24(WCP)-HR	80	82	96	8.73	9.60	Warm White	2500K	/	808	DC 24V
							Warm White	2700K	2700K	796	
							Warm White	3000K	3000K	819	
							Natural White	4000K	4000K	798	
							Standard White	6000K	/	741	
	WW-FLS102T28XW084S-24(WCP)-UR	90	90	100	8.73	9.60	Warm White	2700K	2700K	642	DC 24V
Warm White							3000K	3000K	655		
Natural White							4000K	4000K	720		
K 54	WW-FLS102T28XW084K-24(WCP)-HR-TT	80	82	96	8.73	9.60	Warm White	2500K	/	817	DC 24V
							Warm White	2700K	2700K	831	
							Warm White	3000K	3000K	855	
							Natural White	4000K	4000K	903	
							Standard White	6000K	/	903	
	WW-FLS102T28XW084K-24(WCP)-UR-TT	90	90	100	8.73	9.60	Warm White	2700K	2700K	662	DC 24V
Warm White							3000K	3000K	691		
Natural White							4000K	4000K	768		
K 65	WW-FLS102T28XW084K-24(WCP)-HR	80	82	96	8.73	9.60	Warm White	2500K	/	817	DC 24V
							Warm White	2700K	2700K	831	
							Warm White	3000K	3000K	855	
							Natural White	4000K	4000K	903	
							Standard White	6000K	/	903	
	WW-FLS102T28XW084K-24(WCP)-UR	90	90	100	8.73	9.60	Warm White	2700K	2700K	662	DC 24V
Warm White							3000K	3000K	691		
Natural White							4000K	4000K	768		
F 65	WW-FLS102T28XW084F-24(WCP)-HR	80	82	96	8.73	9.60	Warm White	2500K	/	826	DC 24V
							Warm White	2700K	2700K	831	
							Warm White	3000K	3000K	846	
							Natural White	4000K	4000K	903	
							Standard White	6000K	/	912	
	WW-FLS102T28XW084F-24(WCP)-UR	90	90	100	8.73	9.60	Warm White	2700K	2700K	669	DC 24V
Warm White							3000K	3000K	698		
Natural White							4000K	4000K	768		

RW 67	WW-FLS102T28XW084R-24(WCP)-HR-W	80	82	96	8.73	9.60	Warm White	2500K	/	800	DC 24V
							Warm White	2700K	2700K	805	
							Warm White	3000K	3000K	828	
							Natural White	4000K	4000K	874	
							Standard White	6000K	/	865	
	WW-FLS102T28XW084R-24(WCP)-UR-W	90	90	100	8.73	9.60	Warm White	2700K	2700K	683	DC 24V
							Warm White	3000K	3000K	677	
							Natural White	4000K	4000K	736	
RM 67	WW-FLS102T28XW084R-24(WCP)-HR-M	80	82	96	8.73	9.60	Warm White	2500K	/	765	DC 24V
							Warm White	2700K	2700K	779	
							Warm White	3000K	3000K	801	
							Natural White	4000K	4000K	846	
							Standard White	6000K	/	846	
	WW-FLS102T28XW084R-24(WCP)-UR-M	90	90	100	8.73	9.60	Warm White	2700K	2700K	621	DC 24V
							Warm White	3000K	3000K	648	
							Natural White	4000K	4000K	720	

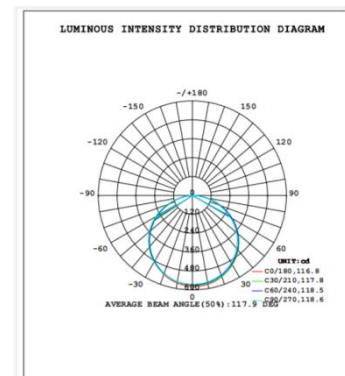
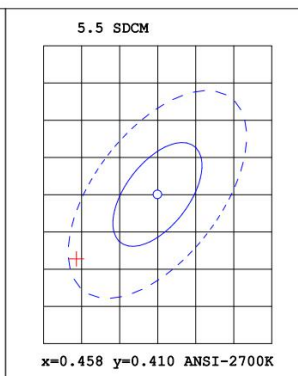
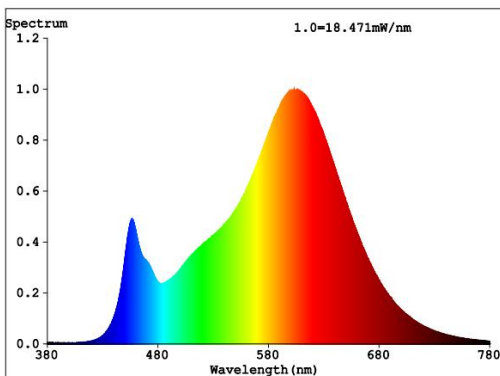
Remarks:

- *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).

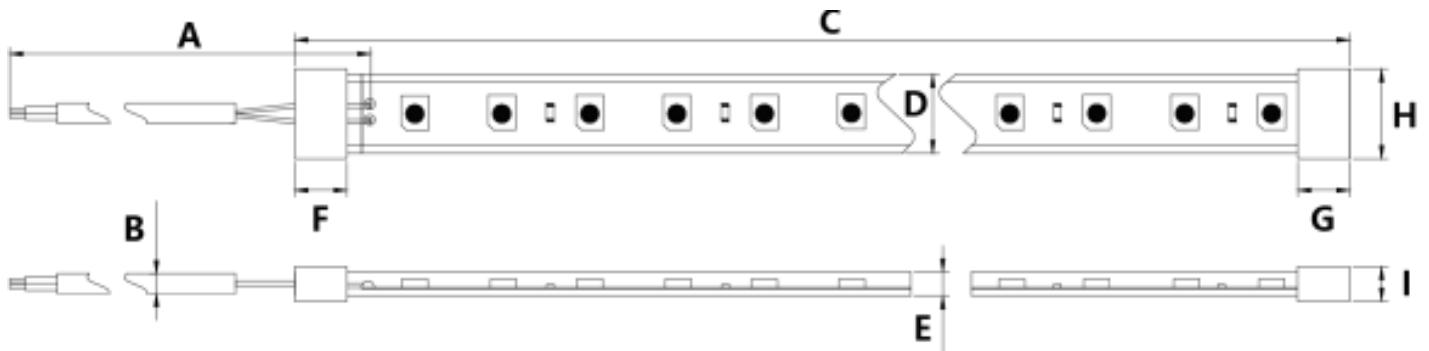
Test condition of above technical data:

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

Optical Test Diagram



Dimension Drawing

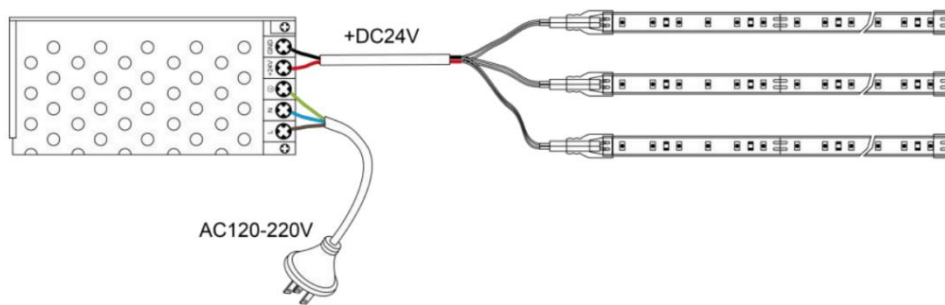


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Front cap length	G End cap length	H Cap width	I Cap thickness
B 20	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	1.2±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.02in	0.047±0.02in	/	/	/	/
S 54	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	2.3±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.02in	0.091±0.02in	/	/	/	/
K 54	300±10mm	Φ4.0±0.2mm	5020±50mm	9.2±0.2mm	4±0.2mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	197.64±1.97in	0.36±0.01in	0.16±0.01in	/	/	/	/
K 65	300±10mm	Φ4.0±0.2mm	5020±50mm	9.2±0.5mm	4±0.2mm	10.5±0.5mm	10.5±0.5mm	11.2±0.5mm	6±0.5mm
	11.81±0.39in	0.16±0.01in	197.64±1.97in	0.36±0.02in	0.16±0.01in	0.41±0.02in	0.41±0.02in	0.44±0.02in	0.34±0.02in
F 65	300±10mm	Φ4.0±0.2mm	5020±50mm	10±0.5mm	4.0±0.5mm	22.5±0.5mm	10±0.5mm	12.5±0.5mm	6.0±0.5mm
	11.81±0.39in	0.16±0.01in	197.64±1.97in	0.39±0.02in	0.16±0.02in	0.89±0.02in	0.39±0.02in	0.49±0.02in	0.24±0.02in
R 67	300±10mm	Φ5.8±0.2mm	5020±50mm	10±0.5mm	5±0.5mm	30±0.5mm	11±0.5mm	12±0.5mm	7.0±0.5mm
	11.81±0.39in	0.23±0.008 in	197.64±1.97in	0.39±0.02in	0.20±0.02in	1.18±0.02in	0.43±0.02in	0.47±0.02in	0.28±0.02in
RW 67	300±10mm	Φ5.8±0.2mm	5020±50mm	10±0.5mm	5±0.5mm	30±0.5mm	11±0.5mm	12.0±0.5mm	7.0±0.5mm
	11.81±0.39in	0.23±0.008 in	197.64±1.97in	0.39±0.02in	0.20±0.02in	1.18±0.02in	0.43±0.02in	0.47±0.02in	0.28±0.02in
RM 67	300±10mm	Φ5.8±0.2mm	5020±50mm	10±0.5mm	5±0.5mm	30±0.5mm	11±0.5mm	12.0±0.5mm	7.0±0.5mm
	11.81±0.39in	0.23±0.008 in	197.64±1.97in	0.39±0.02in	0.20±0.02in	1.18±0.02in	0.43±0.02in	0.47±0.02in	0.28±0.02in










Remarks:

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




















Circuit Diagram



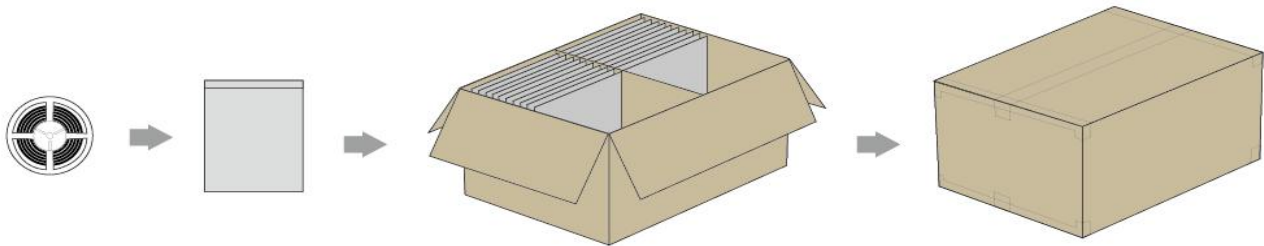
Standard Accessories

IP Level	Category	Description	Picture	Part No.	Application
20	/	/	/	/	/
	/	/	/	/	/
54	/	/	/	/	/
	/	/	/	/	/
K54/65	/	/	/	/	/
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
65	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type F
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
R67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type R
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
RW67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type RW
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
RM67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type RM
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

Optional Accessories

IP Level	Category	Description	Picture	Part No.	Density
B 20	Strip to wire Connector	2PIN Strip to wire Connector		WW-FLS102B-FS2 (8mm)	≤120LEDs/M
	Strip to wire Connector	2PIN Strip to wire Connector		WW-MLB-00SE2XB-08	≤120LEDs/M
	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-PWP2T-08	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102B-DD2(8MM)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		FLS102B-2FD2(8mm)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-MLB-00SE2BB-08	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-POP2T-08	≤120LEDs/M
S 54	Quick Connector	2PIN Connector		WW-FLS102D-2DD2(8mm)	≤120LEDs/M
	Quick Connector	2PIN Transparent Connector		WW-MLB-00DJ2BB-08	≤120LEDs/M
	Strip to wire Connector	2PIN Transparent Strip to wire Connector		WW-MLB-00SE2XB-08	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102D-FD2(8mm)	≤120LEDs/M
K 54/65	Quick Connector	2PIN Transparent Connector		WW-MLB-00DJ2BB-8K	≤120LEDs/M
	Strip to wire Connector	2PIN Transparent Strip to wire Connector		WW-MLB-00DJ2XB-8K	≤120LEDs/M
F 65	/	/	/	/	/
R 67	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-SW02T-08-300(22)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-SOP2T-08	≤120LEDs/M
RW 67	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-SW02T-08-300(22)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-SOP2T-08	≤120LEDs/M
RM 67	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-SW02T-08-300(22)	≤120LEDs/M
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-SOP2T-08	≤120LEDs/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			
E 20	250*270*0.14mm	/	/	440*400*260mm	60	4.20KG ±10%	8.53 KG ±10%	0.05m³
	9.54*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	60	9.26 Lbs ±10%	18.81Lbs ±10%	1.62ft³
S 54	250*270*0.14mm	/	/	440*400*260mm	60	5.00KG ±10%	10.68KG ±10%	0.05m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	60	11.00 Lbs ±10%	23.50Lbs ±10%	1.62ft³
K 54/65	250*270*0.14mm	/	/	440*400*260mm	50	6.95KG ±10%	13.30KG ±10%	0.05m³
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	50	15.32Lbs ±10%	29.23Lbs ±10%	1.62ft³
F 65	250*270*0.14mm	/	/	440*400*260mm	40	7.25KG ±10%	10.13KG ±10%	0.05m³
	9.84*11.63*0.0056 in	/	/	17.32*15.75*10.24 in	40	15.95Lbs ±10%	22.29Lbs ±10%	1.62ft³
R 67	270*300*0.14mm	/	/	520*370*300mm	36	6.30KG ±10%	11.73KG ±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57*11.81in	36	13.89 Lbs ±10%	25.86Lbs ±10%	2.04ft³
RW 67	270*300*0.14mm	/	/	520*370*300mm	36	6.94KG ±10%	15.49 KG ±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57*11.81in	36	15.27 Lbs ±10%	34.15 Lbs ±10%	2.04ft³
RM 67	270*300*0.14mm	/	/	520*370*300mm	36	6.30KG ±10%	11.73KG ±10%	0.06m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57*11.81in	36	13.89 Lbs ±10%	25.86Lbs ±10%	2.04ft³


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.**