

Product Specification

Flexible LED Strip

COB Series

5mm FPC COB 480LEDs/m

WW-FLS102T83XW480X-24(WCP)(05)-UR
&
WW-FLS102T83XW480X-24(WCP)(05)-UR-EP



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Tel : (852) 3152 3059 (10 lines)

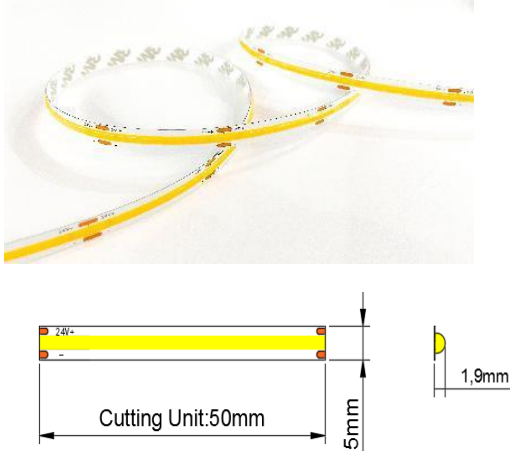
Fax : (852) 3152 3039







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; • 2700/3000/4000/6000K four color temperature are available for selection; • Warranty: 5 Years; • Min. Bending Diameter: Φ60mm; • Meet (EU) 2019/2020 ErP regulations • 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> <p>EN55015 EN61547 EN60598-1 EN60598-2-20 EN62493 EN62471</p>

Non - ErP Waterproof Type	 B 20	 F 65
	FCOB Strip	Silicone Tube
	5 Years Warranty	5 Years Warranty

ErP Waterproof Type	 B 20	 F 65
	FCOB Strip	Silicone Tube
	5 Years Warranty	5 Years Warranty

WW-FLS102T83XW480X-24(WCP)(05)-UR

Parameters for non-erp

IP Grade	Model NO.	CRI (Ra)	Rf	Rg	Typical Power (W/M)	Max. Power (W/M)	Color	Color Temp.(K) Wavelength(nm)	3SDCM LED Color Temp.(K) Wavelength(nm)**	Typ. Luminous Flux LM/M(39.37in)	Rated voltage
E 20	WW-FLS102T83WW480B-24(WCP)(05)-UR	90	90	100	5.0	5.5	Warm White	2700K	/	530	DC 24V
	Warm White						3000K	/	560		
	Natural White						4000K	/	610		
	Standard White						6000K	/	640		
F 65	WW-FLS102T83WW480F-24(WCP)(05)-UR	90	90	100	5.0	5.5	Warm White	2700K	/	520	DC 24V
	Warm White						3000K	/	540		
	Natural White						4000K	/	600		
	Standard White						6000K	/	610		

Remarks:

- The typ.Luminous flux tolerance range is ±10%(subject to the manufacturer's instrument test).

Test condition of above technical data:

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

WW-FLS102T83XW480X-24(WCP)(05)-UR-EP

Parameters for Erp

IP Grade	Model NO.	CRI (Ra)	Rf	Rg	Typical Power (W/M)	Max. Power (W/M)	Color	Color Temp.(K) Wavelength(nm)	Typ. Luminous Flux LM/M(39.37in)	Lumen/watt	Energy Efficiency class	Rated voltage
E 20	WW-FLS102T83WW480B-24(WCP)(05)-UR-EP	90	90	100	5.4	5.94	Warm White	2700K	540	100	F	DC 24V
	Warm White						3000K	570	106	F		
	Natural White						4000K	620	115	E		
	Standard White						6000K	650	120	E		
F 65	WW-FLS102T83WW480F-24(WCP)(05)-UR-EP	90	90	100	5.4	5.94	Warm White	2700K	530	98	F	DC 24V
	Warm White						3000K	550	102	F		
	Natural White						4000K	610	113	E		
	Standard White						6000K	620	115	E		

Remarks:

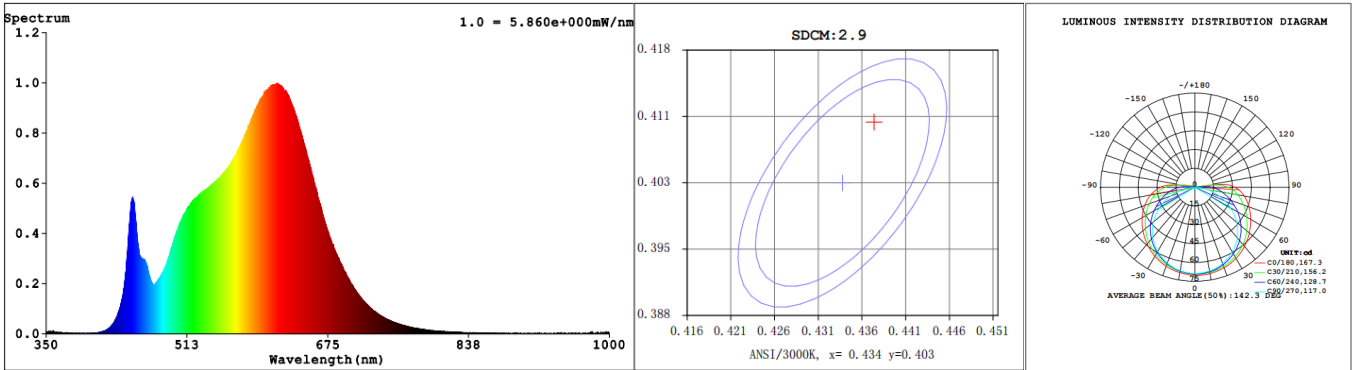
Test condition of above technical data:

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

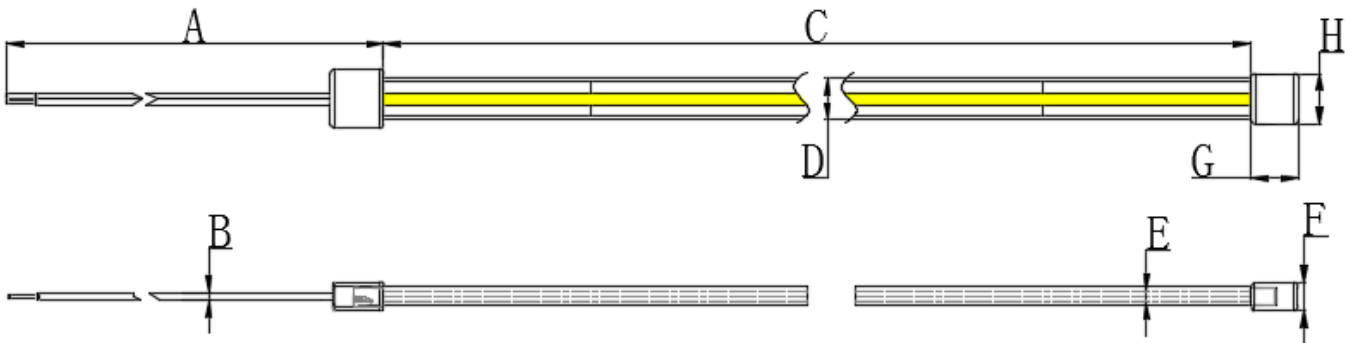
Note:

- 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 ≤ P_{on}+5%;
- Measured lumen ≥ Useful luminous flux -10%;
- Measured CRI ≥ Declared CRI-2
- The above technical data, including typical power are based on the test of 0.5m.

Optical Test Diagram



Dimension Drawing

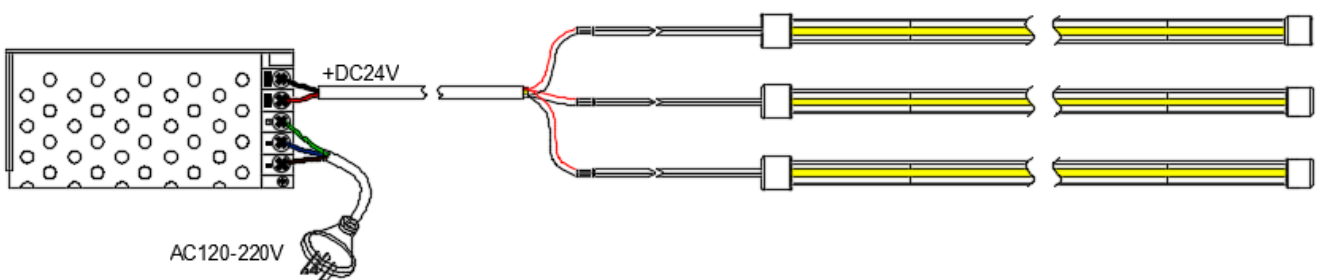


IP Grade	A. Power cable length	B. Power cable diameter	C. Strip length	D. Strip width	E. Strip thickness	F. End cap thickness	G. End cap length	H. End cap width	/
E20	300±10mm	φ1.8±0.2mm	5000±50mm	5±0.5mm	1.9±0.5mm	/	/	/	/
	11.81±0.39in	0.07±0.008in	196.8±1.97in	0.197±0.02in	0.07±0.02in	/	/	/	/
F65	300±10mm	φ1.8±0.2mm	5020±50mm	8.2±0.5mm	3.2±0.5mm	4.5±0.5mm	10±0.5mm	9.5±0.5mm	/
	11.81±0.39in	0.07±0.008in	197.6±1.97in	0.323±0.02in	0.126±0.02in	0.18±0.02in	0.39±0.02in	0.37±0.02in	/



Remarks :

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



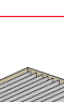
Circuit Diagram



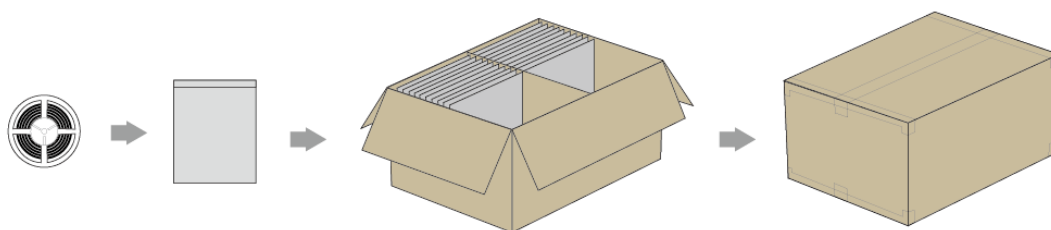
Standard Accessories

IP Level	Category	Description	Picture	Part No.	Application
B 20	/	/	/	/	/
	/	/	/	/	/
F 65	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (5mm)	5mm Type F
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Density
B 20	Quick Connector	2PIN Quick Connector		WW-F2B-P0P2T-05(COB)	/
	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-0WP2T-05(COB)	/
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-PWP2T-05(COB)	/

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			
B 20	220*250*0.14mm	/	/	440*400 *260mm	72	2.95 KG ±10%	7.54 KG ±10%	0.05 m3
	8.66*9.84*0.0056 in	/	/	17.32*15.75 *10.24	72	6.50 Lbs ±10%	16.62 Lbs ±10%	1.62 ft3
F 65	250*270*0.14mm	/	/	440*400 *260mm	50	6.25 KG ±10%	9.7 KG ±10%	0.05 m3
	9.84*10.63*0.0056	/	/	17.32*15.75 *10.24	50	13.78 Lbs ±10%	21.38 Lbs ±10%	1.62 ft3

Remarks :

- Please contact our sales account manager for customized package (color box, blister etc.)



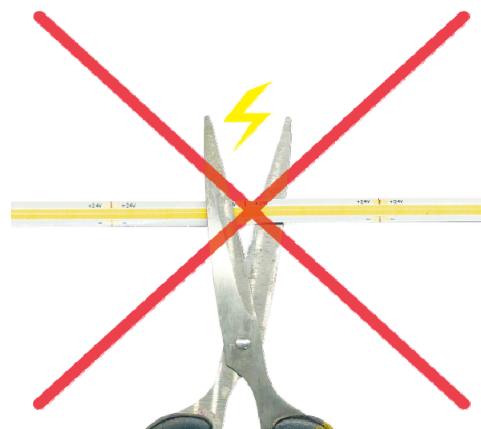
In the process of product installation and use, it is forbidden to knot



In the process of product installation and use, it is forbidden to wind













In the process of product installation and use, it is forbidden to twist




















In the process of product installation and use, it is forbidden to cut


1. In the process of product installation and use, it is forbidden to reinstall and use.
2. It is forbidden to put the product back into the reel after removed from it.


 **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	 Operating temperature -20°C~+45°C (-4°F~+113°F)	 Storage temperature 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.**