

## **Product Specification**

# Flexible LED Strip COB Series

10mm FPC COB 504LEDs/M IP20 Flexible LED Strip

WW-FLS102T88XW504B-24(WCP)-1000-UR-IC

&
WW-FLS102T88XW504B-24(WCP)-1000-UR-IC-EP













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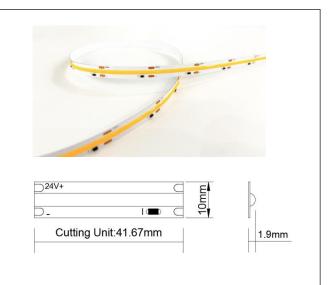
China Factory:





#### **Product Features**

- High quality FPC, authentic 3M tape;
- 2700/3000/4000/6000K four color temperature are available for selection;
- Dot free;
- Warranty: 5 Years;
- Min. Bending Diameter: Φ60mm;
- Meet (EU) 2019/2020 ErP regulations;
- ●Max.length(M):10M
- •Available for PWM dimmable system.



#### **Technology info**

• Lighting Technology: LED

• DLS or NDLS: NDLS

• MLS or NMLS: NMLS

#### **Certification Standards**

EN55015:2019+A11

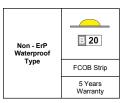
EN61547:2009

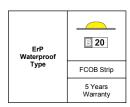
EN60598-1:2015

EN60598-2-20:2015

EN62493:2015

EN62471:2008









#### WW-FLS102T88XW504B-24(WCP)-1000-UR-IC

#### 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)	Beam Angle (°,1/2 θ)	Rated voltage
	WW-FLS102T88WW504B-24(WCP)- 1000-UR-IC	90			11	12.1	Warm White	2700K	1	920	- 140	DC 24V
30	WW-FLS102T88WW504B-24(WCP)- 1000-UR-IC		92	100			Warm White	3000K	1	980		
₿ 20	WW-FLS102T88NW504B-24(WCP)- 1000-UR-IC						Natural White	4000K	1	1050		
	WW-FLS102T88SW504B-24(WCP)- 1000-UR-IC						Standard White	6000K	1	1120		

#### 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  $^{\circ}$ C.
- Test while turned on.

#### WW-FLS102T88XW504B-24(WCP)-1000-UR-IC-EP

#### **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)	Typ. Luminous Flux LM/M(39.37in)	Lumen/watt	Energy Efficiency class	Beam Angle (°,1/2 θ)	Chromaticity Coordinate ( X,Y )	Rated voltage
	WW-FLS102T88WW504B- 24(WCP)-1000-UR-IC-EP				11.2	12.3	Warm White	2700K	910	81	G		0.4578,0.4101	
B 20	WW-FLS102T88WW504B- 24(WCP)-1000-UR-IC-EP	90					Warm White	3000K	960	86	F		0.4339,0.4033	
	WW-FLS102T88NW504B- 24(WCP)-1000-UR-IC-EP		92	100			Natural White	4000K	1020	91	F	140	0.3818,0.3797	DC 24V
	WW-FLS102T88SW504B- 24(WCP)-1000-UR-IC-EP						Standard White	6000K	1070	96	F		0.3214,0.3360	

Test condition of above technical data:

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

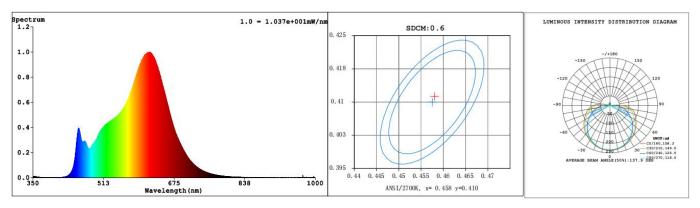
#### Note:

- 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≤Pon+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.

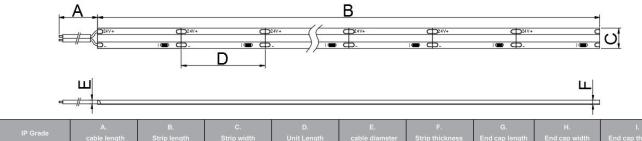


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#### Optical Test Diagram



#### Dimension Drawing

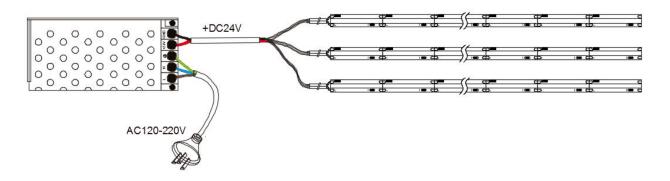


ID Cuada	A.	В.		D.	E.	F.		H.	
	cable length	Strip length	Strip width	Unit Length	cable diameter	Strip thickness	End cap length	End cap width	End cap thickness
B 20	300±10mm	10000±100mm	10±0.5mm	41.67±0.5mm	φ1.8±0.2mm	1.9±0.5mm	1	1	1
- 20	11.81±0.39in	393.7±3.94in	0.39±0.02in	1.64±0.02in	φ0.07±0.008in	0.075±0.020in	/	1	1

#### Remarks:

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

#### Circuit Diagram

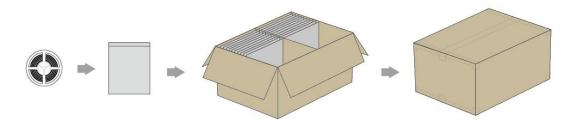




### **Optional Accessories**

IP Grade	Category	Description	Picture	Part No.	Density
	Quick Connector	2PIN Quick Connector	D	WW-F2B-POP2T-10(COB)	1
₿ 20	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-OWP2T-10(COB)	1
	Strip to strip Connector 2PIN Strip to strip Connector			WW-F2B-PWP2T-10(COB)	1

#### Packaging Diagram

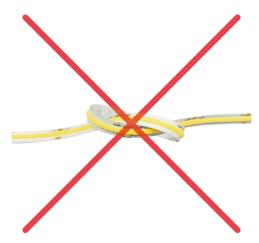


#### Packaging Information

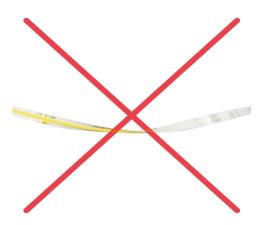
IP Grade	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton	
		Size	Reel/ctn	Size	Reel/ctn		G.VV	volume	
	270*300*0.14MM	1	1	520×370×300mm	36	5.25KG ±10%	10.35 KG ±10%	0.05772 m <sup>3</sup>	
□ 20	10.63*11.81*0.0055in	1	1	20.47*14.57 *11.81in	36	11.57 Lbs ±10%	22.82Lbs ±10%	2.038 ft <sup>3</sup>	

#### Remarks:

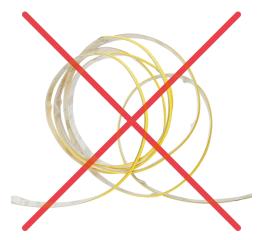
• Please contact our sales account manager for customized package (color box, blister etc.)



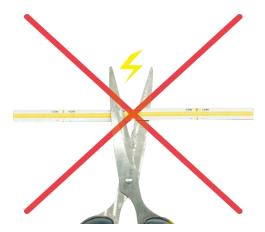
In the process of product installation and use, it is forbidden to knot



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



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



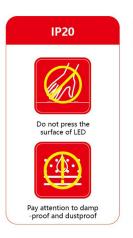
In the process of product installation and use, it is forbidden to cut

- 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.





#### **A** Cautions

















Do not winding



Do not twist





Do not cut when Recommended the continuous





0°C~+60°C (32°F~+140°F)



Operated by professionals





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)







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..

<sup>\*\*</sup> If you do not follow the above "Cautions" to operate and result in damaging the product, the factory will not accept maintenance and return.

<sup>\*\*</sup>The right of final interpretation is owned by Dilux.