

# LUMINAIRE

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# Galarneau

## Product Specification

### COB LV Strip

### PRO 24V 528 LEDs/M Single color Free Cut

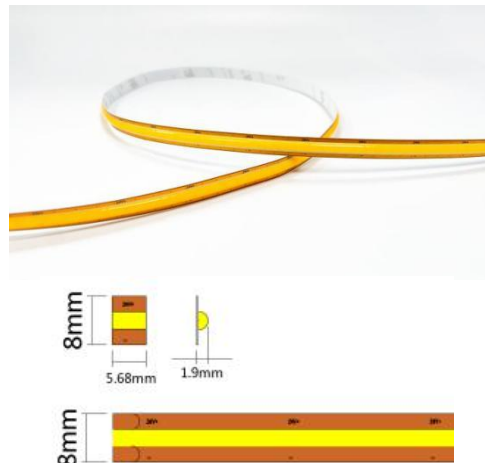
WW-FLS102T83XW528X-24(WCP)-UR-FC  
&  
WW-FLS102T83XW528X-24(WCP)-UR-FC-EP

Apply to ERP Regulation (EU) 2019/2020



## Product Features

- High quality FPC, authentic 3M tape;
- 2700K/3000/4000/6000K four color temperature segments are available for selection;
- Free cut;
- Warranty: 5 Years;
- Min. Bending Diameter:  $\Phi 60\text{mm}$ ;
- Meet (EU) 2019/2020 ErP regulations
- Max.length(M):5M



## Technology info

- Lighting Technology: LED
- DLS or NDLS: NDLS
- MLS or NMLS: NMLS

## Certification Standards

- EN55015:2019
- EN61547:2023
- EN60598-1:2021
- EN60598-2-21
- EN62493:2015
- EN62471:2008

Non-ErP Waterproof Type			
	Naked Strip	Silicone Tube	Silicone Extrusion
	5 Years Warranty	5 Years Warranty	5 Years Warranty

ErP Waterproof Type			
	Naked Strip	Silicone Tube	Silicone Extrusion
	5 Years Warranty	5 Years Warranty	5 Years Warranty

## WW-FLS102T83XW528X-24(WCP)-UR-FC-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	Rated voltage
<b>B 20</b>	WW-FLS102T83WW528B-24(WCP)-UR-FC-EP	90	90	100	11.2	12.32	Warm White	2700K	950	81	G	DC 24V
	WW-FLS102T83WW528B-24(WCP)-UR-FC-EP						Warm White	3000K	1000	85	G	
	WW-FLS102T83NW528B-24(WCP)-UR-FC-EP						Natural White	4000K	1080	90	F	
	WW-FLS102T83SW528B-24(WCP)-UR-FC-EP						Standard White	6000K	1080	93	F	
<b>F 65</b>	WW-FLS102T83WW528F-24(WCP)-UR-FC-EP	90	90	100	11.2	12.32	Warm White	3000K	980	81	G	DC 24V
	WW-FLS102T83NW528F-24(WCP)-UR-FC-EP						Natural White	4000K	1050	86	F	
	WW-FLS102T83SW528F-24(WCP)-UR-FC-EP						Standard White	6000K	1050	88	F	
<b>R 67</b>	WW-FLS102T83NW528R-24(WCP)-UR-FC-EP	90	90	100	11.2	12.32	Natural White	4000K	970	84	G	DC 24V
	WW-FLS102T83SW528R-24(WCP)-UR-FC-EP						Standard White	6000K	980	88	F	

#### Remarks:

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

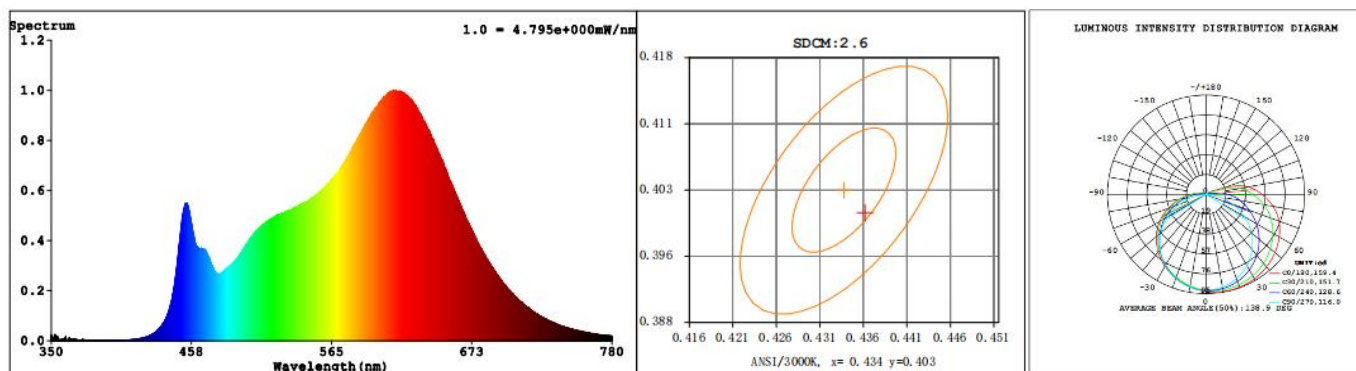
#### Test condition of above technical data:

- Surrounding temperature: 26 °C.
- Test after 10 mins turned on.
- The color temperature of finished product is for reference only.

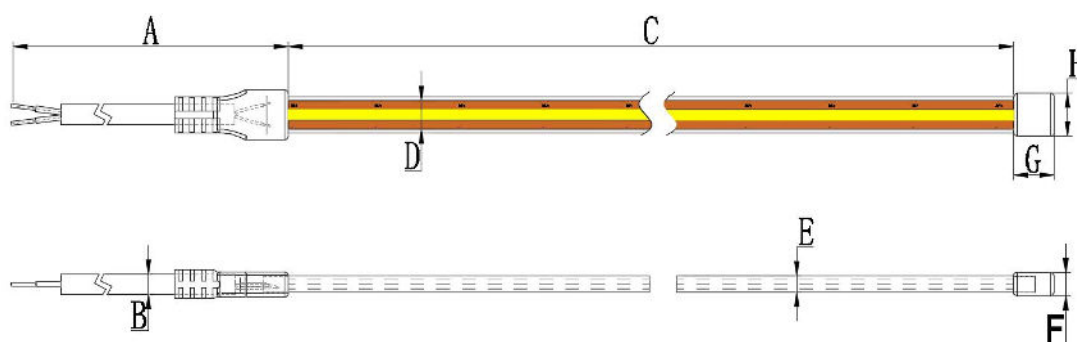
#### Note:

- 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  $\leq P_{on} + 5\%$ ;
- 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.

## Optical Test Diagram



## Dimension Drawing

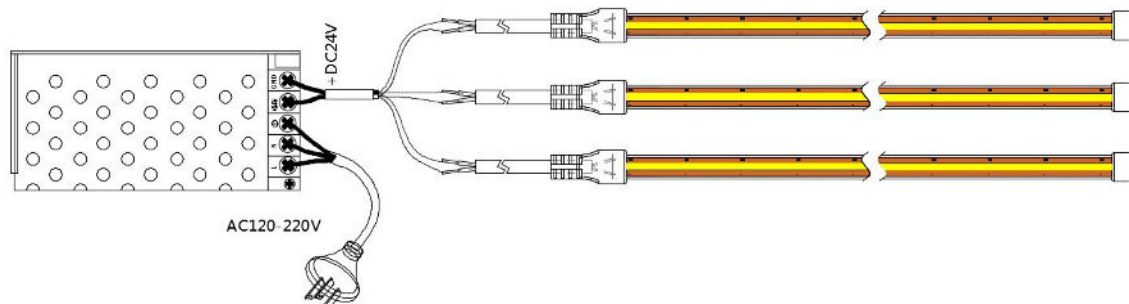


IP Grade	A. cable length	B. cable diameter	C. Strip length	D. Strip width	E. Strip thickness	F. End cap thickness	G. End cap length	H. End cap width
<b>B 20</b>	300±10mm	φ1.8±0.2mm	5000±50mm	8±0.5mm	1.9mm±0.5mm	/	/	/
	11.81±0.39in	φ0.07±0.008in	196.85±1.97in	0.31±0.02in	0.075±0.02in	/	/	/
<b>F 65</b>	300±10mm	φ4±0.2mm	5020±50mm	10±0.5mm	4±0.5mm	6±1mm	11±0.5mm	12±0.5mm
	11.81±0.39in	φ0.157±0.008in	197.6±1.97in	0.394±0.02in	0.157±0.02in	0.236±0.04in	0.43±0.02in	0.472±0.02in
<b>R 67</b>	315±10mm	φ6±0.2mm	5020±50mm	10±0.5mm	4.5±0.5mm	6.5±1mm	12±0.5mm	12±0.5mm
	12.4±0.39in	φ0.236±0.008in	197.6±1.97in	0.394±0.02in	0.18±0.02in	0.256±0.04in	0.47±0.02in	0.472±0.02in





### Remarks :

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

## Circuit Diagram



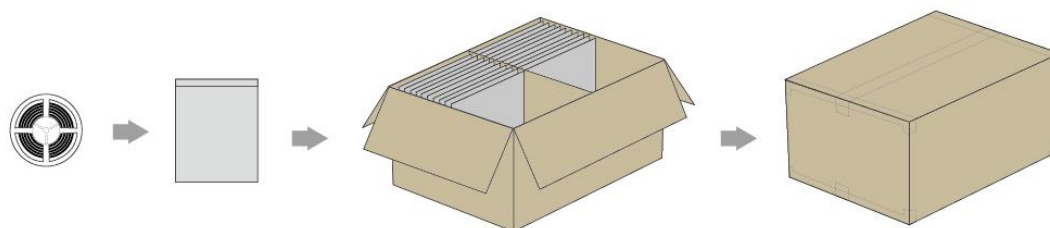
## Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
<b>E 20</b>	/	/	/	/	/
	/	/	/	/	/
<b>F 65</b>	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (8mm)	8mm Type F
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
<b>R 67</b>	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (8mm)	8mm Type R
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip

## Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Density
<b>E 20</b>	Quick Connector	2PIN Quick Connector		WW-F2B-POP2T-08(COB)	COB
	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-OWP2T-08(COB)	COB
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-PWP2T-08(COB)	COB
	Quick Connector	2PIN Quick Connector		WW-F2B-POP20-08	COB
	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-POW20-08	COB
	Quick Connector	2PIN Quick Connector		WW-FLS102B-3DD2(8MM)	COB
	Strip to wire Connector	2PIN Strip to wire Connector		WW-FLS102B-3FS2(8MM)	COB
	L-shape Strip to strip Connector	2PIN L-shape Strip to strip Connector		WW-FLS102B-3DD2G-L(8MM)	COB
	T-shape Strip to wire Connector	2PIN T-shape Strip to wire Connector		WW-FLS102B-3DD2G-T(8MM)	COB
	T-shape Strip to strip Connector	2PIN T-shape Strip to strip Connector		WW-FLS102B-3FS2G-T(8MM)	COB
	+ -shape Strip to strip Connector	2PIN + -shape Strip to strip Connector		WW-FLS102B-3DD2G-X(8MM)	COB
	Quick connector	2PIN Multifunction Connector		WW-FLS102B-MUCN-08	COB
<b>F 65</b>	/	/	/	/	/
	/	/	/	/	/
	/	/	/	/	/
<b>R 67</b>	Quick Connector	2PIN Quick Connector		WW-F2R-POP2T-08(COB)	COB
	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-OWP2T-08(COB)	COB
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-PWP2T-08(COB)	COB

## Packaging Diagram



## Packaging Information

	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
<b>E 20</b>	220*250*0.14mm	/	/	440*400*260mm	52	3.38KG ±10%	7.53 KG ±10%	0.04576 m <sup>3</sup>
	8.66*9.84*0.0055in	/	/	17.32*15.75 *10.24in	52	7.45 Lbs ±10%	16.6 Lbs ±10%	1.616 ft <sup>3</sup>
<b>F 65</b>	250*270*0.14mm	/	/	440*400 *260mm	40	7.05KG ±10%	10.37KG ±10%	0.04576 m <sup>3</sup>
	9.84*10.63*0.0056 in	/	/	17.32*15.75 *10.24 in	40	15.5 Lbs ±10%	22.86Lbs ±10%	1.616 ft <sup>3</sup>
<b>R 67</b>	270*300*0.14mm	/	/	520*370 *300mm	36	8.5KG ±10%	11.70KG ±10%	0.05772m <sup>3</sup>
	10.63*11.81*0.0056 in	/	/	20.47*14.57 *11.81 in	36	17.7KG ±10%	25.80KG ±10%	2.038ft <sup>3</sup>

### Remarks :

- Please contact our sales account 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		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.