

LUMINAIRE

Galarneau

Product Specification

COB LV Strip Pro Special 24V 504LEDs/M Ultra Long

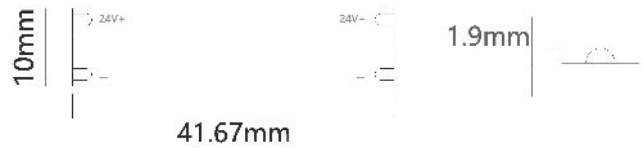
WW-FLS102T88XW504X-24(WCP)-1000-UR-XX-IC
&
WW-FLS102T88XW504X-24(WCP)-1000-UR-XX-IC-EP

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;
- Warranty: 5 Years;
- Min. Bending Diameter : $\Phi 60\text{mm}$;
- Meet (EU) 2019/2020 ErP regulations
- Min.Bending Diameter: $\Phi 60\text{mm}$
- Max.length(M):10M



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-FLS102T88XW504X-24(WCP)-1000-UR-XX-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)	Typ. Luminous Flux LM/M(39.37in)	Rated voltage
B 20	WW-FLS102T88WW504B-24(WCP)-1000-UR-3S-IC	90	90	100	11.8	12.98	Warm White	2700K	1110	DC 24V
	WW-FLS102T88WW504B-24(WCP)-1000-UR-3S-IC						Warm White	3000K	1140	
	WW-FLS102T88NW504B-24(WCP)-1000-UR-3S-IC						Natural White	4000K	1280	
	WW-FLS102T88SW504B-24(WCP)-1000-UR-IC						Standard White	6000K	1300	
F 65	WW-FLS102T88WW504F-24(WCP)-1000-UR-3S-IC	90	90	100	11.8	12.98	Warm White	2700K	1080	DC 24V
	WW-FLS102T88WW504F-24(WCP)-1000-UR-3S-IC						Warm White	3000K	1140	
	WW-FLS102T88NW504F-24(WCP)-1000-UR-3S-IC						Natural White	4000K	1240	
	WW-FLS102T88SW504F-24(WCP)-1000-UR-IC						Standard White	6000K	1250	
R 67	WW-FLS102T88WW504R-24(WCP)-1000-UR-3S-IC	90	90	100	11.8	12.98	Warm White	2700K	1070	DC 24V
	WW-FLS102T88WW504R-24(WCP)-1000-UR-3S-IC						Warm White	3000K	1140	
	WW-FLS102T88NW504R-24(WCP)-1000-UR-3S-IC						Natural White	4000K	1240	
	WW-FLS102T88SW504R-24(WCP)-1000-UR-IC						Standard White	6000K	1250	

Remarks:

- The typ.Luminous flux tolerance range is $\pm 10\%$ (subject to the manufacturer's instrument test).
- * The suffix -3S indicates 3SDCM, Absence of this suffix indicates 6SDCM
- **The above color temperature is the color temperature of LED source.

Test condition of above technical data:

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

WW-FLS102T88XW504X-24(WCP)-1000-UR-XX-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	Rated voltage
B 20	WW-FLS102T88WW504B-24(WCP)-1000-UR-3S-IC-EP	90	90	100	12.0	13.2	Warm White	2700K	1060	88	F	DC 24V
	WW-FLS102T88WW504B-24(WCP)-1000-UR-3S-IC-EP						Warm White	3000K	1140	92	F	
	WW-FLS102T88NW504B-24(WCP)-1000-UR-3S-IC-EP						Natural White	4000K	1280	102	F	
	WW-FLS102T88SW504B-24(WCP)-1000-UR-IC-EP						Standard White	6000K	1300	103	F	
F 65	WW-FLS102T88WW504F-24(WCP)-1000-UR-3S-IC-EP	90	90	100	12.0	13.2	Warm White	2700K	1040	87	F	DC 24V
	WW-FLS102T88WW504F-24(WCP)-1000-UR-3S-IC-EP						Warm White	3000K	1140	90	F	
	WW-FLS102T88NW504F-24(WCP)-1000-UR-3S-IC-EP						Natural White	4000K	1280	99	F	
	WW-FLS102T88SW504F-24(WCP)-1000-UR-IC-EP						Standard White	6000K	1300	100	F	
R 67	WW-FLS102T88WW504R-24(WCP)-1000-UR-3S-IC-EP	90	90	100	12.0	13.2	Warm White	2700K	1030	86	F	DC 24V
	WW-FLS102T88WW504R-24(WCP)-1000-UR-3S-IC-EP						Warm White	3000K	1140	89	F	
	WW-FLS102T88NW504R-24(WCP)-1000-UR-3S-IC-EP						Natural White	4000K	1280	99	F	
	WW-FLS102T88SW504R-24(WCP)-1000-UR-IC-EP						Standard White	6000K	1300	100	F	

Remarks:

- *While SDCM<3 model is available, part number will add the suffix "-3S".
- **The above color temperature is the color temperature of LED source.

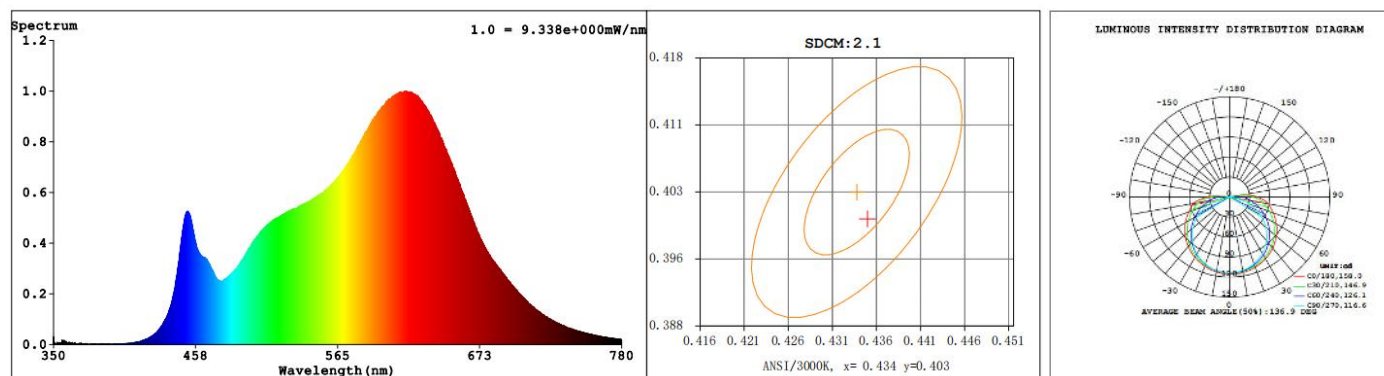
Test condition of above technical data:

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

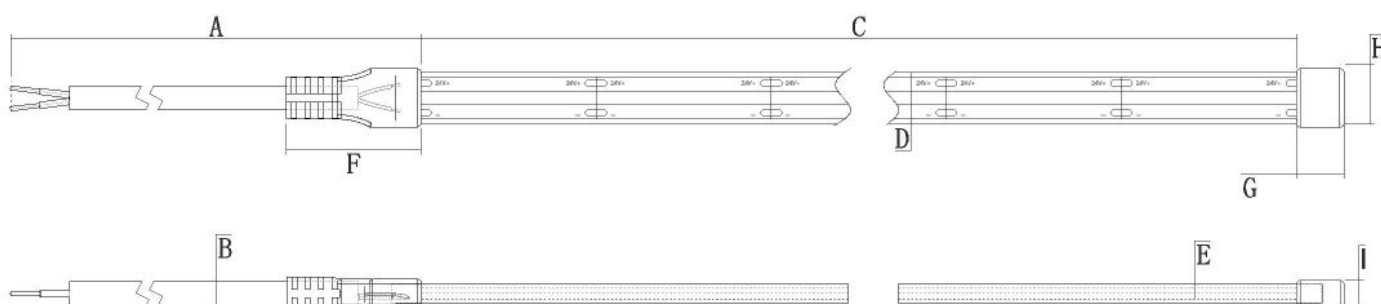
Note:

- 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 ≤ 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

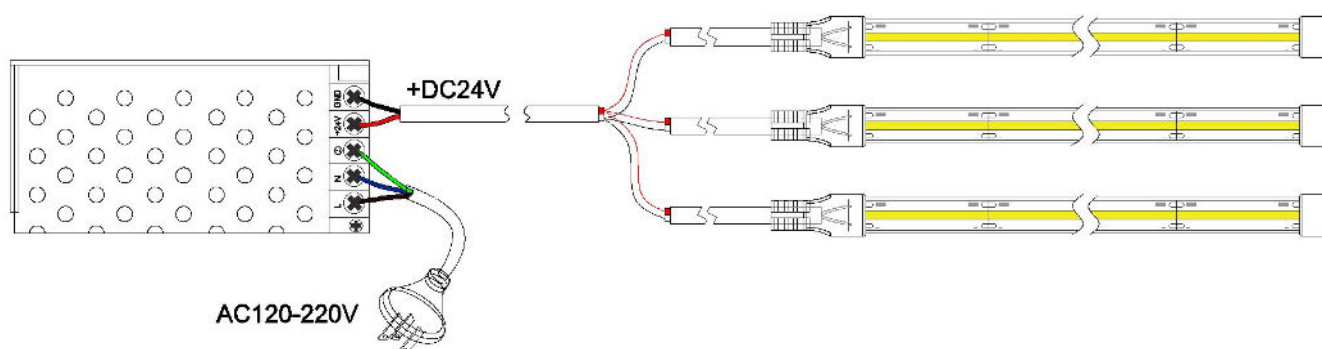


IP Grade	A. cable length	B. cable diameter	C. Strip length	D. Strip width	E. Strip thickness	F. Front cap length	G. End cap length	H. End cap width	I. End cap thickness
B 20	300±10mm 11.81±0.39in	φ1.8±0.2mm φ0.07±0.008in	10000±50mm 393.7±1.97in	10.0±0.5mm 0.39±0.02in	1.9±0.5mm 0.075±0.02in	/	/	/	/
F 65	300±10mm 11.81±0.39in	φ4.0±0.2mm φ0.16±0.008in	10020±50mm 394.49±1.97in	12.0±0.5mm 0.47±0.02in	4.0±0.5mm 0.16±0.02in	22.5±0.5mm 0.89±0.02in	10.0±0.5mm 0.39±0.02in	14.0±0.5mm 0.55±0.02in	6.0±0.5mm 0.24±0.02in
R 67	300±10mm 11.81±0.39in	φ6.0±0.2mm φ0.24±0.008in	10020±50mm 394.49±1.97in	12.0±0.5mm 0.47±0.02in	5.0±0.5mm 0.2±0.02in	30.0±2mm 1.18±0.08in	11.0±0.5mm 0.43±0.02in	14.0±0.5mm 0.55±0.02in	7.0±0.5mm 0.28±0.02in

Remarks :

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

Circuit Diagram



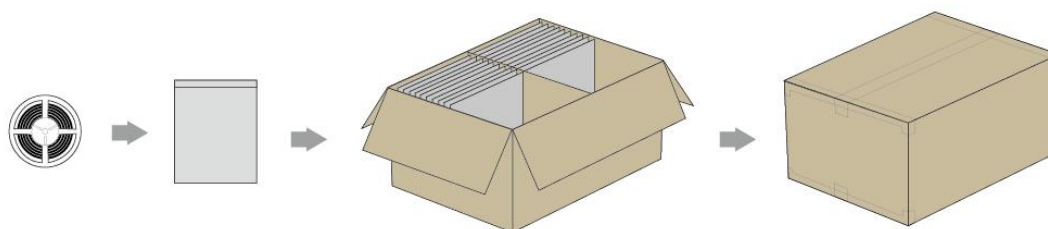
Standard Accessories

IP Grade	Category	Description	Picture	Part No.	Application
E 20	/	/	/	/	/
	/	/	/	/	/
F 65	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	/
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	/
R 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	/
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	/

Optional Accessories

IP Grade	Category	Description	Picture	Part No.	Density
E 20	Quick Connector	2PIN Quick Connector		WW-F2B-POP2T-10(COB)	/
	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2B-OWP2T-10(COB)	/
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2B-PWP2T-10(COB)	/
	Quick connector	2PIN Multifunction Connector		WW-FLS102B-MUCN-10	/
	Strip to wire Connector	2PIN Strip to wire Connector		WW-FLS102B-3DD2(10MM)	/
	Strip to strip Connector	2PIN Strip to strip Connector		WW-FLS102B-3DD2(10MM)	/
	L-shape Strip to strip Connector	2PIN L-shape Strip to strip Connector		WW-FLS102B-3DD2G-L(10MM)	/
	T-shape Strip to wire Connector	2PIN T-shape Strip to wire Connector		WW-FLS102B-3DD2G-T(10MM)	/
	T-shape Strip to strip Connector	2PIN T-shape Strip to strip Connector		WW-FLS102B-3FS2G-T(10MM)	/
	+ -shape Strip to strip Connector	2PIN + -shape Strip to strip Connector		WW-FLS102B-3DD2G-X(10MM)	/
F 65	/	/	/	/	/
	/	/	/	/	/
R 67	Quick Connector	2PIN Quick Connector		WW-F2R-POP2T-10(COB)	/
	Strip to wire Connector	2PIN Strip to wire Connector		WW-F2R-POP2T-10(COB)	/
	Strip to strip Connector	2PIN Strip to strip Connector		WW-F2R-PWP2T-08(COB)	/

Packaging Diagram



Packaging Information

	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
E 20	270*300*0.14mm	/	/	520*370 *300mm	36	5.76 KG ±10%	10.99 KG ±10%	0.05772 m³
	10.63*11.81*0.0056 in	/	/	20.47*14.57 *11.81 in	36	12.70 Lbs ±10%	24.23 Lbs ±10%	2.038 ft³
F 65	380*350*0.14mm	/	/	350*330 *330mm	14	5.11 KG ±10%	9.05 KG ±10%	0.03812 m³
	14.96*13.78*0.0056 in	/	/	13.78*12.99 *12.99 in	14	11.27 Lbs ±10%	19.95 Lbs ±10%	1.346 ft³
R 67	380*350*0.14mm	/	/	350*330 *330mm	14	9.38 KG ±10%	13.37 KG ±10%	0.03812 m³
	14.96*13.78*0.0056 in	/	/	13.78*12.99 *12.99 in	14	20.68 KG ±10%	29.48 KG ±10%	1.346 ft³

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.