

Product Specification

SMD LV Strip

PRO 2835 12V 120 LEDs/M Single color

WW-FLS102T28XW120X-12(WCP)-XR
&
WW-FLS102T28XW120X-12(WCP)-XR-EP

Apply to ERP Regulation (EU) 2019/2020



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China Factory :


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









Tel : (852) 3152 3059 (10 lines)




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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); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: Φ60mm • 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> <ul style="list-style-type: none"> • EN55015:2019 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008

Non-ErP Waterproof Type	 B 20	 S 54	 K 54/65	 F 65	 R 67	 RW 67	 C 68	 E 67	 D 54	 RM 67
	Naked Strip	Silicone Dropping	Silicone Extrusion	Silicone Tube	Silicone Extrusion	Silicone Extrusion	PU Dropping +PVC Extrusion	PVC Extrusion	PU Dropping	Silicone Extrusion
	5 Years Warranty	3 Years Warranty	5 Years Warranty	5 Years Warranty	5 Years Warranty	5 Years Warranty	5 Years Warranty	1 Years Warranty	2 Years Warranty	2 Years Warranty

ErP Waterproof Type	 B 20	 F 65	 R 67
	Naked Strip	Silicone Tube	Silicone Extrusion
	5 Years Warranty	5 Years Warranty	5 Years Warranty

WW-FLS102T28XW120X-12(WCP)-XR

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)	Rated voltage
E 20	WW-FLS102T28XW120B-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1290	DC12V
							Warm White	2600-2900K	2650-2770K	1290	
							Warm White	2900-3200K	2960-3110K	1390	
							Natural White	3700-4250K	3840-4080K	1445	
							Standard White	5700-6500K	/	1435	
	WW-FLS102T28XW120B-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1090	DC 12V
D 54	WW-FLS102T28XW120D-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1290	DC12V
							Warm White	2600-2900K	2650-2770K	1385	
							Warm White	2900-3200K	2960-3110K	1325	
							Natural White	3700-4250K	3840-4080K	1320	
							Standard White	5700-6500K	/	1270	
	WW-FLS102T28XW120D-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1095	DC 12V
Warm White	2900-3200K	2960-3110K	1095								
Natural White	3700-4250K	3840-4080K	1170								
S 54	WW-FLS102T28XW120S-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1370	DC12V
							Warm White	2600-2900K	2650-2770K	1325	
							Warm White	2900-3200K	2960-3110K	1325	
							Natural White	3700-4250K	3840-4080K	1370	
							Standard White	5700-6500K	/	1270	
	WW-FLS102T28XW120S-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1065	DC 12V
Warm White	2900-3200K	2960-3110K	1040								
Natural White	3700-4250K	3840-4080K	1185								
K 54	WW-FLS102T28XW120K-12(WCP)-HR-TT	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1385	DC12V
							Warm White	2600-2900K	2650-2770K	1385	
							Warm White	2900-3200K	2960-3110K	1385	
							Natural White	3700-4250K	3840-4080K	1550	
							Standard White	5700-6500K	/	1550	
	WW-FLS102T28XW120K-12(WCP)-UR-TT	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1095	DC 12V
Warm White	2900-3200K	2960-3110K	1095								
Natural White	3700-4250K	3840-4080K	1265								
K 65	WW-FLS102T28XW120K-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1385	DC12V
							Warm White	2600-2900K	2650-2770K	1385	
							Warm White	2900-3200K	2960-3110K	1385	
							Natural White	3700-4250K	3840-4080K	1550	
							Standard White	5700-6500K	/	1550	
	WW-FLS102T28XW120K-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1095	DC 12V
Warm White	2900-3200K	2960-3110K	1095								
Natural White	3700-4250K	3840-4080K	1265								
F 65	WW-FLS102T28XW120F-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1160	DC12V
							Warm White	2600-2900K	2650-2770K	1250	
							Warm White	2900-3200K	2960-3110K	1355	
							Natural White	3700-4250K	3840-4080K	1405	
							Standard White	5700-6500K	/	1395	
	WW-FLS102T28XW120F-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1110	DC 12V
Warm White	2900-3200K	2960-3110K	1110								
Natural White	3700-4250K	3840-4080K	1200								

E 67	WW-FLS102T28XW120E-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1280	DC12V
							Warm White	2600-2900K	2650-2770K	1270	
							Warm White	2900-3200K	2960-3110K	1270	
							Natural White	3700-4250K	3840-4080K	1435	
							Standard White	5700-6500K	/	1420	
R 67	WW-FLS102T28XW120E-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	960	DC 12V
							Warm White	2900-3200K	2960-3110K	950	
							Natural White	3700-4250K	3840-4080K	1105	
R 67	WW-FLS102T28XW120R-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1160	DC12V
							Warm White	2600-2900K	2650-2770K	1250	
							Warm White	2900-3200K	2960-3110K	1355	
							Natural White	3700-4250K	3840-4080K	1400	
							Standard White	5700-6500K	/	1375	
RW 67	WW-FLS102T28XW120R-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1080	DC 12V
							Warm White	2900-3200K	2960-3110K	1095	
							Natural White	3700-4250K	3840-4080K	1180	
RW 67	WW-FLS102T28XW120R-12(WCP)-HR-W	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1160	DC12V
							Warm White	2600-2900K	2650-2770K	1250	
							Warm White	2900-3200K	2960-3110K	1340	
							Natural White	3700-4250K	3840-4080K	1500	
							Standard White	5700-6500K	/	1485	
RM 67	WW-FLS102T28XW120R-12(WCP)-UR-W	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1080	DC 12V
							Warm White	2900-3200K	2960-3110K	1075	
							Natural White	3700-4250K	3840-4080K	1210	
RM 67	WW-FLS102T28XW120R-12(WCP)-HR-M	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1295	DC12V
							Warm White	2600-2900K	2650-2770K	1295	
							Warm White	2900-3200K	2960-3110K	1295	
							Natural White	3700-4250K	3840-4080K	1450	
							Standard White	5700-6500K	/	1450	
C 68	WW-FLS102T28XW120C-12(WCP)-UR-M	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1030	DC 12V
							Warm White	2900-3200K	2960-3110K	1030	
							Natural White	3700-4250K	3840-4080K	1185	
C 68	WW-FLS102T28XW120C-12(WCP)-HR	80	82	96	13.09	14.40	Warm White	2300-2600K	/	1200	DC12V
							Warm White	2600-2900K	2650-2770K	1255	
							Warm White	2900-3200K	2960-3110K	1225	
							Natural White	3700-4250K	3840-4080K	1255	
							Standard White	5700-6500K	/	1125	
C 68	WW-FLS102T28XW120C-12(WCP)-UR	90	90	100	13.09	14.40	Warm White	2600-2900K	2650-2770K	1005	DC 12V
							Warm White	2900-3200K	2960-3110K	1005	
							Natural White	3700-4250K	3840-4080K	1065	

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.

WW-FLS102T28XW120X-12(WCP)-HR-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)*	Luminous Flux LM/M(39.37')	Lumen/watt	Energy Efficiency class	Rated voltage
E 20	WW-FLS102T28XW120B-12(WCP)-HR-EP	80	82	96	12.76	14.04	Warm White	2700K	1384	108	F	DC 12V
							Warm White	3000K	1494	117	E	
							Natural White	4000K	1550	121	E	
							Standard White	6000K	1550	121	E	
	WW-FLS102T28XW120B-12(WCP)-UR-EP	90	90	100	12.76	14.04	Warm White	2700K	/	/	/	DC 12V
							Warm White	3000K	/	/	/	
							Natural White	4000K	/	/	/	
							Standard White	6000K	/	/	/	
F 65	WW-FLS102T28XW120F-12(WCP)-HR-EP	80	82	96	12.76	14.04	Warm White	2700K	1345	105	F	DC 12V
							Warm White	3000K	1460	114	E	
							Natural White	4000K	1511	118	E	
							Standard White	6000K	1511	118	E	
	WW-FLS102T28XW120F-12(WCP)-UR-EP	90	90	100	12.76	14.04	Warm White	2700K	/	/	/	DC 12V
							Warm White	3000K	/	/	/	
							Natural White	4000K	/	/	/	
							Standard White	6000K	/	/	/	
R 67	WW-FLS102T28XW120R-12(WCP)-HR-EP	80	82	96	12.76	14.04	Warm White	2700K	1341	105	F	DC 12V
							Warm White	3000K	1457	114	E	
							Natural White	4000K	1509	118	E	
							Standard White	6000K	1490	117	E	
	WW-FLS102T28XW120R-12(WCP)-UR-EP	90	90	100	12.76	14.04	Warm White	2700K	/	/	/	DC 12V
							Warm White	3000K	/	/	/	
							Natural White	4000K	/	/	/	
							Standard White	6000K	/	/	/	

Remarks:

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

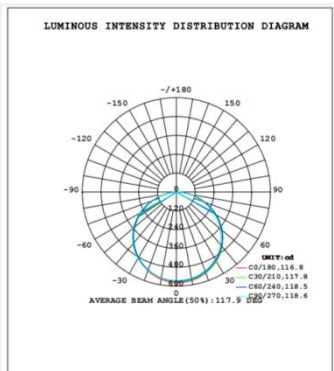
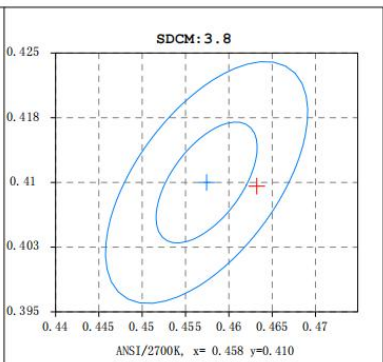
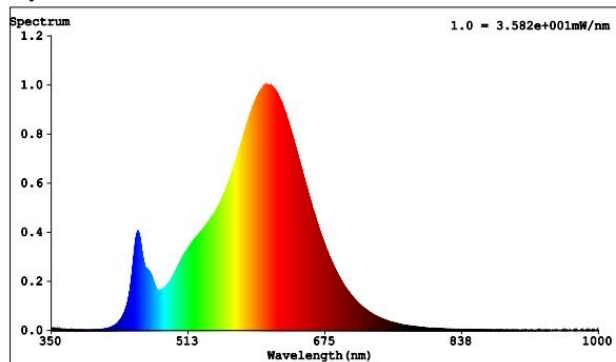
Test condition of above technical data:

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

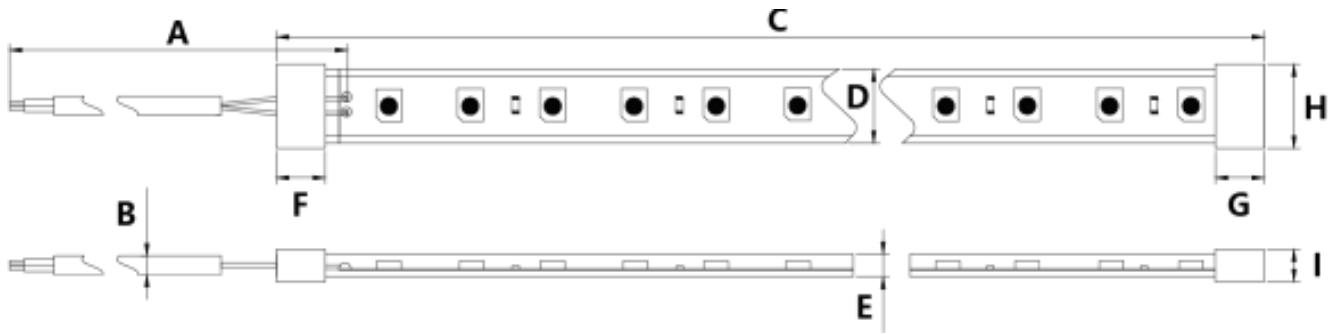
ErP Note:

- 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.

Optical Test Diagram



Dimension Drawing

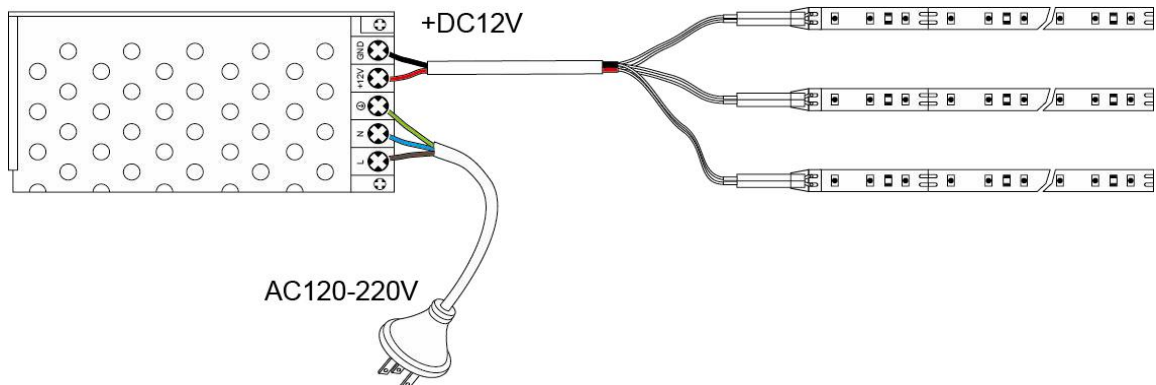


IP Grade	A Cable Length	B cable diameter	C Strip length	D Strip width	E Strip thickness	F Front cap length	G End cap length	H Cap width	I Cap thickness
B 20	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	1.2±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.02in	0.047±0.02in	/	/	/	/
D 54	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.5mm	2.6±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.02in	0.102±0.02in	/	/	/	/
S 54	300±10mm	Φ4.0±0.2mm	5000±50mm	8±0.2mm	2.3±0.5mm	/	/	/	/
	11.81±0.39in	0.16±0.01in	196.85±1.97in	0.32±0.008in	0.091±0.02in	/	/	/	/
K 54/65	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	0.32±0.008in	0.16±0.01in	/	/	/	/
F 65	300±10mm	Φ4.0±0.5mm	5000±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±0.02in	196.85±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
E 67	300±10mm	Φ4.0±0.2mm	5020±50mm	10.5±0.5mm	5.5±0.5mm	27.5±0.5mm	12.5±0.5mm	13.5±0.5mm	7.5±0.5mm
	11.81±0.39in	0.16±0.01in	197.64±1.97in	0.41±0.02in	0.22±0.02in	1.08±0.02in	0.49±0.02in	0.53±0.02in	0.30±0.02in
R 67	300±10mm	Φ5±0.5mm	5000±50mm	10±0.25mm	5±0.25mm	30±2mm	11±0.5mm	12±0.5mm	7.0±0.5mm
	11.81±0.39in	0.235±0.02 in	196.85±1.97in	0.39±0.01in	0.20±0.01in	1.18±0.08in	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
C 68	300±10mm	Φ4.0±0.2mm	5020±50mm	11.5±0.5mm	4.5±0.5mm	27.5±0.5mm	12.5±0.5mm	13.5±0.5mm	7.5±0.5mm
	11.81±0.39in	0.16±0.008in	197.64±1.97in	0.45±0.02in	0.18±0.02in	1.08±0.02in	0.49±0.02in	0.53±0.02in	0.30±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





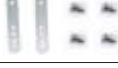








Remarks:

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




















Circuit Diagram







Standard Accessories

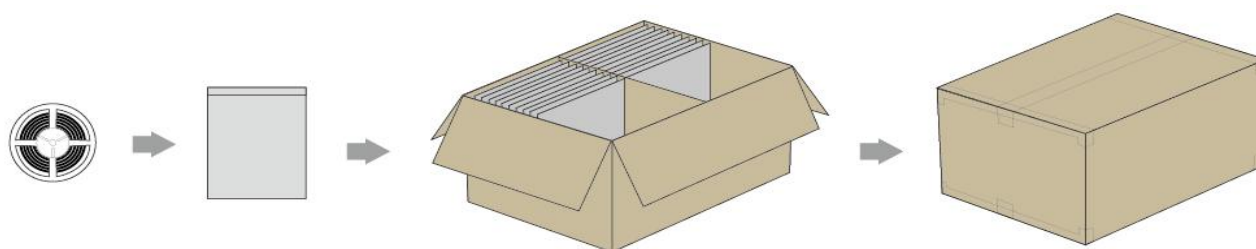
IP Level	Category	Description	Picture	Part No.	Application
B 20	/	/	/	/	/
	/	/	/	/	/
D 54	/	/	/	/	/
	/	/	/	/	/
S 54	/	/	/	/	/
	/	/	/	/	/
K 54/65	/	/	/	/	/
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
F 65	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type F
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
E 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102E-CW (10mm)	8mm Type E
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
R 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type R
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
RW 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type RW
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
RM 67	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type RM
	Installation Accessories	Installation Buckle+Screws		WW-FLS102JJA-MC	Waterproof strip
C 68	Connection Accessories	Front cap+End cap+Cable		WW-FLS102F-CW (10mm)	8mm Type C
	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
D 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
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	/	/	/	/	/
E 67	/	/	/	/	/
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

IP Level	Category	Description	Picture	Part No.	Density
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
68	/	/	/	/	/

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			
B 20	250*270*0.14mm	/	/	440*400*260mm	60	4.8KG ±10%	9.53KG ±10%	0.05m ³
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	60	10.58Lbs ±10%	20.97Lbs±10%	1.62ft ³
D 54	250*270*0.14mm	/	/	440*400*260mm	60	10.23KG ±10%	13.68KG±10%	0.05m ³
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	60	22.51Lbs ±10%	30.1Lbs±10%	1.62ft ³
S 54	250*270*0.14mm	/	/	440*400*260mm	60	5.2KG ±10%	11.01KG±10%	0.05m ³
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	60	11.46Lbs ±10%	24.27Lbs ±10%	1.62ft ³
K 54/65	250*270*0.14mm	/	/	440*400*260mm	50	7.14KG ±10%	13.48KG±10%	0.05m ³
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	50	16.13Lbs ±10%	29.73Lbs±10%	1.62ft ³
F 65	250*270*0.14mm	/	/	440*400*260mm	40	7.23KG ±10%	10.93KG±10%	0.05m ³
	9.84*10.63*0.0056 in	/	/	17.32*15.75*10.24 in	40	15.91Lbs ±10%	24.05Lbs±10%	1.62ft ³
E 67	270*300*0.14mm	/	/	520*370*300mm	36	10.8KG ±10%	14.12KG±10%	0.06m ³
	10.63*11.81*0.0055 in	/	/	20.47*14.57*11.81in	36	23.76Lbs ±10%	31.06Lbs±10%	2.04ft ³
R 67	270*300*0.14mm	/	/	520*370*300mm	36	6.48KG ±10%	11.83KG±10%	0.06m ³
	10.63*11.81*0.0055 in	/	/	20.47*14.57*11.81in	36	14.26Lbs ±10%	26.03Lbs±10%	2.04ft ³
RW 67	270*300*0.14mm	/	/	520*370*300mm	36	7.02KG ±10%	15.68KG ±10%	0.06m ³
	10.63*11.81*0.0055 in	/	/	20.47*14.57*11.81in	36	15.48Lbs ±10%	34.57Lbs ±10%	2.04ft ³
RM 67	270*300*0.15mm	/	/	520*370*300mm	36	6.3KG ±10%	11.73KG ±10%	0.06m ³
	10.63*11.81*0.006 in	/	/	20.47*14.57*11.81in	36	13.89Lbs ±10%	25.86Lbs ±10%	2.04ft ³
C 68	270*300*0.14mm	/	/	520*370*300mm	36	11.62KG ±10%	15.83KG ±10%	0.06m ³
	10.63*11.81*0.0055 in	/	/	20.47*14.57*11.81in	36	25.56Lbs ±10%	34.83Lbs ±10%	2.04ft ³


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.**