

Product Specification

SMD HV Strip POP 2835 AC230V 140 LEDs/M Single color Without Wire Driverless

HVFLST2XCR-XX-EU-XR-HQ1
&
HVFLST2XCR-XX-EU-XR-HQ1-EP

Apply to ERP Regulation (EU) 2019/2020



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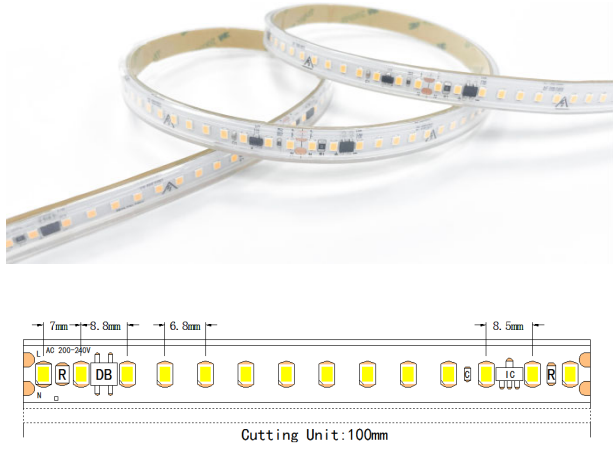
Fax : (852) 3152 3039


China Factory :


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<h3>Product Features</h3> <ul style="list-style-type: none"> ● Silicon material, high reliability, electrical insulation; ● Self-encapsulated design offer four optional white light from 2600-6500K; ● High quality FPC, authentic 3M tape; ● Short circuit protection; ● Anti-thunder & Over-voltage protection. ● Light source lifetime:30K hours(L70); ● Meet (EU)2019/2020 ErP regulations. ● Min. Bending Diameter: Φ60mm ● Max. length(M): 50M 	 <p>The diagram shows a cross-section of the LED strip with components labeled: L, AG 200-240V, R, DB, IC, and R. Dimensions are indicated: 7mm, 8.8mm, 6.8mm, and 8.5mm. The cutting unit is 100mm.</p>
<h3>Technology info</h3> <ul style="list-style-type: none"> ● Lighting Technology: LED ● DLS or NDLS: NDLS ● MLS or NMLS: MLS 	<h3>Certification Standards</h3> <ul style="list-style-type: none"> ● EN55015:2019+A11 ● EN61547:2009 ● EN60598-1:2015 ● EN60598-2-20:2015 ● EN62493:2015 ● EN62471:2008

Non-ErP Waterpro of Type	 R 65
	3 Years Warranty

ErP Waterpro of Type	 R 65
	3 Years Warranty

HVFLST2XCR-XX-EU-XR-HQ
Parameters for non-ErP

Model NO.	DRI (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
HVFLST2WCR-05-EU-HR-HQ1	80	82	96	18	19.8	Warm White	2600-2900K	1900	AC 230V
HVFLST2WCR-05-EU-HR-HQ1				18	19.8	Warm White	2900-3200K	1980	
HVFLST2NCR-05-EU-HR-HQ1				18	19.8	Natural White	3700-4250K	2110	
HVFLST2SCR-05-EU-HR-HQ1				18	19.8	Standard White	5700-6500K	2110	
HVFLST2WCR-05-EU-UR-HQ1	90	90	100	18	19.8	Warm White	2600-2900K	1786	
HVFLST2WCR-05-EU-UR-HQ1				18	19.8	Warm White	2900-3200K	1862	
HVFLST2NCR-05-EU-UR-HQ1				18	19.8	Natural White	3700-4250K	1942	
HVFLST2SCR-05-EU-UR-HQ1				18	19.8	Standard White	5700-6500K	1942	
HVFLST2WCR-10-EU-HR-HQ1	80	82	96	18	19.8	Warm White	2600-2900K	1900	AC 230V
HVFLST2WCR-10-EU-HR-HQ1				18	19.8	Warm White	2900-3200K	1980	
HVFLST2NCR-10-EU-HR-HQ1				18	19.8	Natural White	3700-4250K	2110	
HVFLST2SCR-10-EU-HR-HQ1				18	19.8	Standard White	5700-6500K	2110	
HVFLST2WCR-10-EU-UR-HQ1	90	90	100	18	19.8	Warm White	2600-2900K	1786	
HVFLST2WCR-10-EU-UR-HQ1				18	19.8	Warm White	2900-3200K	1862	
HVFLST2NCR-10-EU-UR-HQ1				18	19.8	Natural White	3700-4250K	1942	
HVFLST2SCR-10-EU-UR-HQ1				18	19.8	Standard White	5700-6500K	1942	
HVFLST2WCR-20-EU-HR-HQ1	80	82	96	18	19.8	Warm White	2600-2900K	1900	AC 230V
HVFLST2WCR-20-EU-HR-HQ1				18	19.8	Warm White	2900-3200K	1980	
HVFLST2NCR-20-EU-HR-HQ1				18	19.8	Natural White	3700-4250K	2110	
HVFLST2SCR-20-EU-HR-HQ1				18	19.8	Standard White	5700-6500K	2110	
HVFLST2WCR-20-EU-UR-HQ1	90	90	100	18	19.8	Warm White	2600-2900K	1786	
HVFLST2WCR-20-EU-UR-HQ1				18	19.8	Warm White	2900-3200K	1862	
HVFLST2NCR-20-EU-UR-HQ1				18	19.8	Natural White	3700-4250K	1942	
HVFLST2SCR-20-EU-UR-HQ1				18	19.8	Standard White	5700-6500K	1942	
HVFLST2WCR-25-EU-HR-HQ1	80	82	96	18	19.8	Warm White	2600-2900K	1900	AC 230V
HVFLST2WCR-25-EU-HR-HQ1				18	19.8	Warm White	2900-3200K	1980	
HVFLST2NCR-25-EU-HR-HQ1				18	19.8	Natural White	3700-4250K	2110	
HVFLST2SCR-25-EU-HR-HQ1				18	19.8	Standard White	5700-6500K	2110	
HVFLST2WCR-25-EU-UR-HQ1	90	90	100	18	19.8	Warm White	2600-2900K	1786	
HVFLST2WCR-25-EU-UR-HQ1				18	19.8	Warm White	2900-3200K	1862	
HVFLST2NCR-25-EU-UR-HQ1				18	19.8	Natural White	3700-4250K	1942	
HVFLST2SCR-25-EU-UR-HQ1				18	19.8	Standard White	5700-6500K	1942	
HVFLST2WCR-50-EU-HR-HQ1	80	82	96	18	19.8	Warm White	2600-2900K	1900	AC 230V
HVFLST2WCR-50-EU-HR-HQ1				18	19.8	Warm White	2900-3200K	1980	
HVFLST2NCR-50-EU-HR-HQ1				18	19.8	Natural White	3700-4250K	2110	
HVFLST2SCR-50-EU-HR-HQ1				18	19.8	Standard White	5700-6500K	2110	
HVFLST2WCR-50-EU-UR-HQ1	90	90	100	18	19.8	Warm White	2600-2900K	1786	
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HVFLST2SCR-50-EU-UR-HQ1				18	19.8	Standard White	5700-6500K	1942	

Remarks:

- * The above color temperature is the color temperature of LED source.
- The typ. Luminous flux tolerance range is ±10% (subject to the manufacturer's instrument test).

Test methods of parameter:

- Test while turning on.
- Test 1m strip in the integrating sphere under the condition of input AC230V voltage

Test condition of above technical data:

- Surrounding temperature: 26 °C.
- The above parameters are data of internal power supply

HVFLST2XCR-XX-EU-XR-HQ
Parameters for ErP

Model NO.	DRI (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
HVFLST2WCR-05-EU-HR-HQ1-EP	80	82	96	18.37	20.2	Warm White	2700K	1910	103	F	AC 230V
HVFLST2WCR-05-EU-HR-HQ1-EP						Warm White	3000K	1990	107	F	
HVFLST2NCR-05-EU-HR-HQ1-EP						Natural White	4000K	2120	114	E	
HVFLST2SCR-05-EU-HR-HQ1-EP						Standard White	6000K	2120	114	E	
HVFLST2WCR-05-EU-UR-HQ1-EP	90	90	100	18.37	20.2	Warm White	2700K	1796	97	F	
HVFLST2WCR-05-EU-UR-HQ1-EP						Warm White	3000K	1870	101	F	
HVFLST2NCR-05-EU-UR-HQ1-EP						Natural White	4000K	1950	105	F	
HVFLST2SCR-05-EU-UR-HQ1-EP						Standard White	6000K	1950	105	F	
HVFLST2WCR-10-EU-HR-HQ1-EP	80	82	96	18.37	20.2	Warm White	2700K	1910	103	F	AC 230V
HVFLST2WCR-10-EU-HR-HQ1-EP						Warm White	3000K	1990	107	F	
HVFLST2NCR-10-EU-HR-HQ1-EP						Natural White	4000K	2120	114	E	
HVFLST2SCR-10-EU-HR-HQ1-EP						Standard White	6000K	2120	114	E	
HVFLST2WCR-10-EU-UR-HQ1-EP	90	90	100	18.37	20.2	Warm White	2700K	1796	97	F	
HVFLST2WCR-10-EU-UR-HQ1-EP						Warm White	3000K	1870	101	F	
HVFLST2NCR-10-EU-UR-HQ1-EP						Natural White	4000K	1950	105	F	
HVFLST2SCR-10-EU-UR-HQ1-EP						Standard White	6000K	1950	105	F	
HVFLST2WCR-20-EU-HR-HQ1-EP	80	82	96	18.37	20.2	Warm White	2700K	1910	103	F	AC 230V
HVFLST2WCR-20-EU-HR-HQ1-EP						Warm White	3000K	1990	107	F	
HVFLST2NCR-20-EU-HR-HQ1-EP						Natural White	4000K	2120	114	E	
HVFLST2SCR-20-EU-HR-HQ1-EP						Standard White	6000K	2120	114	E	
HVFLST2WCR-20-EU-UR-HQ1-EP	90	90	100	18.37	20.2	Warm White	2700K	1796	97	F	
HVFLST2WCR-20-EU-UR-HQ1-EP						Warm White	3000K	1870	101	F	
HVFLST2NCR-20-EU-UR-HQ1-EP						Natural White	4000K	1950	105	F	
HVFLST2SCR-20-EU-UR-HQ1-EP						Standard White	6000K	1950	105	F	
HVFLST2WCR-25-EU-HR-HQ1-EP	80	82	96	18.37	20.2	Warm White	2700K	1910	103	F	AC 230V
HVFLST2WCR-25-EU-HR-HQ1-EP						Warm White	3000K	1990	107	F	
HVFLST2NCR-25-EU-HR-HQ1-EP						Natural White	4000K	2120	114	E	
HVFLST2SCR-25-EU-HR-HQ1-EP						Standard White	6000K	2120	114	E	
HVFLST2WCR-25-EU-UR-HQ1-EP	90	90	100	18.37	20.2	Warm White	2700K	1796	97	F	
HVFLST2WCR-25-EU-UR-HQ1-EP						Warm White	3000K	1870	101	F	
HVFLST2NCR-25-EU-UR-HQ1-EP						Natural White	4000K	1950	105	F	
HVFLST2SCR-25-EU-UR-HQ1-EP						Standard White	6000K	1950	105	F	
HVFLST2WCR-50-EU-HR-HQ1-EP	80	82	96	18.37	20.2	Warm White	2700K	1910	103	F	AC 230V
HVFLST2WCR-50-EU-HR-HQ1-EP						Warm White	3000K	1990	107	F	
HVFLST2NCR-50-EU-HR-HQ1-EP						Natural White	4000K	2120	114	E	
HVFLST2SCR-50-EU-HR-HQ1-EP						Standard White	6000K	2120	114	E	
HVFLST2WCR-50-EU-UR-HQ1-EP	90	90	100	18.37	20.2	Warm White	2700K	1796	97	F	
HVFLST2WCR-50-EU-UR-HQ1-EP						Warm White	3000K	1870	101	F	
HVFLST2NCR-50-EU-UR-HQ1-EP						Natural White	4000K	1950	105	F	
HVFLST2SCR-50-EU-UR-HQ1-EP						Standard White	6000K	1950	105	F	

Remarks:

- *The above color temperature is the color temperature of LED source.
- The typ. Luminous flux tolerance range is $\pm 10\%$ (subject to the manufacturer's instrument test).

Test methods of parameter:

- Test after 10 mins turned on.
- Test 1m strip in the integrating sphere under the condition of input AC230V voltage

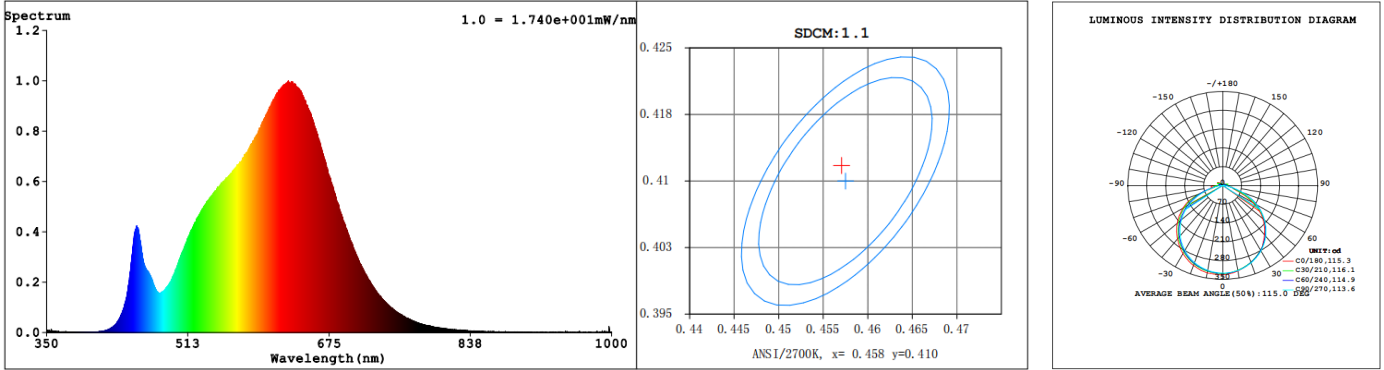
Test condition of above technical data:

- Surrounding temperature: 26 °C.
- The above parameters are data of internal power supply

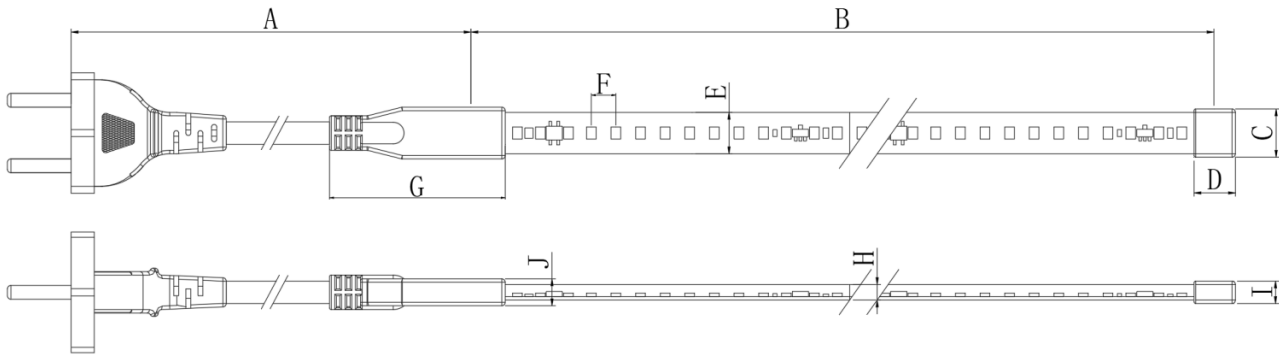
ErP Note:

- 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 $\leq P_{on} + 5\%$;
- 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 0.6m
- Only for industrial application.

Optical Test Diagram



Dimension Drawing




5 M								
A	B	C	D / E	F	G	H	I	J
1000±20mm	5000±30mm	14±0.5mm	12±0.5mm	6.8±0.2mm	51±1mm	4.6±0.3mm	6.5±0.5mm	7.8±0.5mm
39.37±0.787in	196.85±1.181in	0.551±0.019in	0.472±0.019in	0.267±0.007in	2.007±0.039in	0.181±0.011in	0.255±0.019in	0.307±0.019in
10 M								
A	B	C	D / E	F	G	H	I	J
1000±20mm	10000±30mm	14±0.5mm	12±0.5mm	6.8±0.2mm	51±1mm	4.6±0.3mm	6.5±0.5mm	7.8±0.5mm
39.37±0.787in	393.7±1.181in	0.551±0.019in	0.472±0.019in	0.267±0.007in	2.007±0.039in	0.181±0.011in	0.255±0.019in	0.307±0.019in
20 M								
A	B	C	D / E	F	G	H	I	J
1000±20mm	20000±50mm	14±0.5mm	12±0.5mm	6.8±0.2mm	51±1mm	4.6±0.3mm	6.5±0.5mm	7.8±0.5mm
39.37±0.787in	787.4±1.968in	0.551±0.019in	0.472±0.019in	0.267±0.007in	2.007±0.039in	0.181±0.011in	0.255±0.019in	0.307±0.019in
25 M								
A	B	C	D / E	F	G	H	I	J
1000±20mm	25000±50mm	14±0.5mm	12±0.5mm	6.8±0.2mm	51±1mm	4.6±0.3mm	6.5±0.5mm	7.8±0.5mm
39.37±0.787in	984.25±1.968in	0.551±0.019in	0.472±0.019in	0.267±0.007in	2.007±0.039in	0.181±0.011in	0.255±0.019in	0.307±0.019in
50 M								
A	B	C	D / E	F	G	H	I	J
1000±20mm	50000±50mm	14±0.5mm	12±0.5mm	6.8±0.2mm	51±1mm	4.6±0.3mm	6.5±0.5mm	7.8±0.5mm
39.37±0.787in	1968.5±1.968in	0.551±0.019in	0.472±0.019in	0.267±0.007in	2.007±0.039in	0.181±0.011in	0.255±0.019in	0.307±0.019in

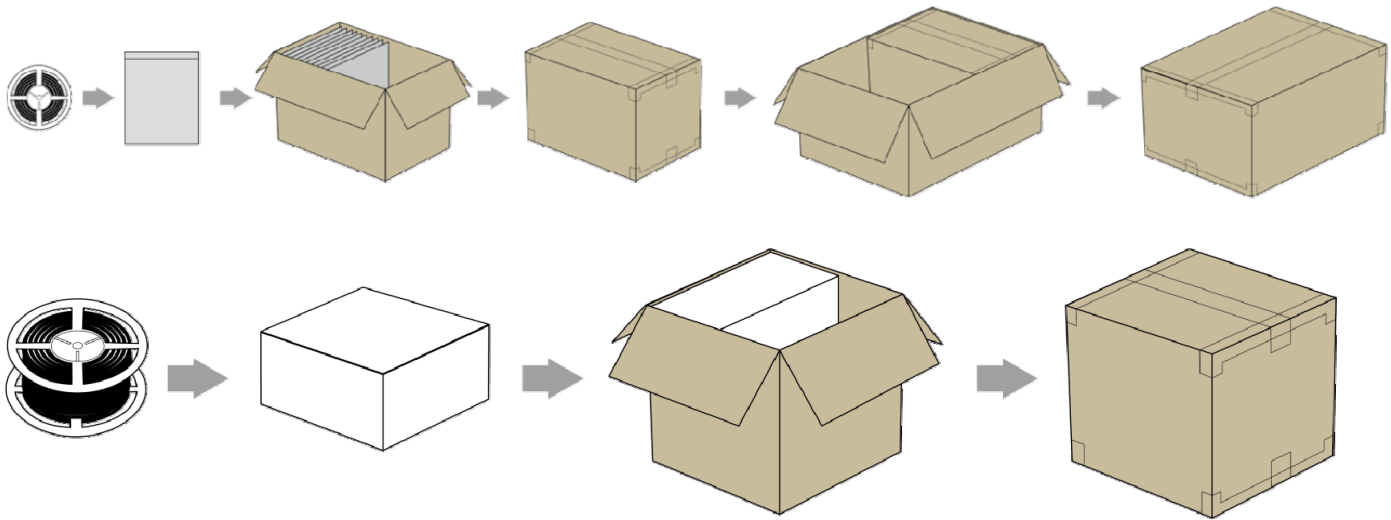
Remarks:

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

Optional Accessories

Category	Picture	Part No.	Description
Aluminum profile		WW-AP1607U	Aluminum profile set (including buckle and screws)
European accessories		HVFLST2-CW-EU	EU Power supply set (Front & end cap, power cord)
Buckle		WW-FLS102JJA-MC	Fixing clip and Screws

Packaging Diagram



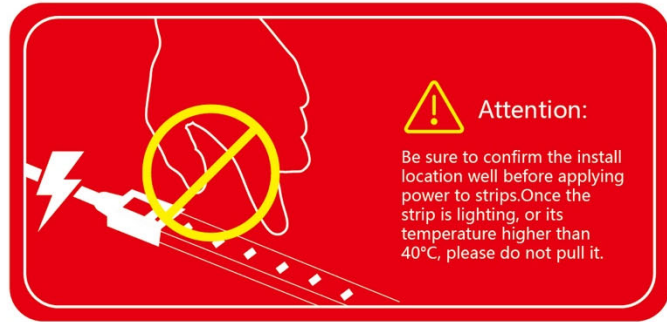
Packaging Information

Length	Reel size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
5m	220*16mm	350*250*280mm	12	520*370*300mm	24	8.99KG±10%	12.496KG ±10%	0.0577m ³
	8.66*0.62in	13.77*9.84*11.02in	12	20.47*14.56*11.81in	24	19.82Lbs ±10%	27.55Lbs ±10%	2.037ft ³
10m	254*45mm	270*255*53mm	1	280*240*285mm	4	2.72KG±10%	4.50KG ±10%	0.0192m ³
	10*1.77in	10.63*10.04*2.09in	1	11.02*9.45*11.22in	4	6.00Lbs ±10%	9.92Lbs ±10%	0.676ft ³
20m	330*50mm	345*330*61mm	1	365*265*350mm	4	5.17KG ±10%	8.304KG ±10%	0.0335m ³
	12.99*1.96in	13.58*12.99*2.4in	1	14.37*10.43*13.77in	4	11.40Lbs ±10%	18.31Lbs ±10%	1.185ft ³
25m	330*70mm	345*330*82mm	1	362*350*185mm	2	3.19KG ±10%	5.044KG ±10%	0.0234m ³
	12.99*2.76in	13.58*12.99*3.23in	1	14.25*13.78*7.28in	2	7.03Lbs ±10%	11.12Lbs ±10%	0.828ft ³
50m	330*110mm	345*330*122mm	1	365*265*350mm	2	6.250KG ±10%	8.496KG ±10%	0.0335m ³
	12.99*4.33in	13.58*12.99*4.8in	1	14.37*10.43*13.77in	2	13.78 Lbs ±10%	18.73Lbs ±10%	1.185ft ³

Remarks :

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

 **Cautions**



DO NOT BEND ON HORIZONTAL PLANE



DO NOT BEND 90°



DO NOT TWIST



DO NOT HANG



DO NOT SUSPEND



Do not USE THIRD PARTY FASTENERS



Do not INSTALL INSIDE BUILDING STRUCTURES



Do not FOLD OR OVERLAP



Do not CUT OR CONNECTING CABLE



Do NOT PUNCTURE



Do not STEP ON OR PUT OBJECTS ON TOP



Do not USE ADHESIVE FOR INSTALLATION



No ground friction



No piercing



Do not pull and crash



Do not press the surface of LED



Please follow the user manual for installation



Operate carefully to avoid electric shock



Note the positive and negative poles



Defective product photo should be provided for warranty



Relative humidity 40%-70%



Storage life is within 6 months



Away from high power



Away from high voltage



Can be used in wet place, but do not contact with water directly



not under blazing sun for long time



Do not put plug, bridge rectifier, front and end cap into water



Ensure the output rated voltage operate within $\pm 5\%$



Operate by professionals only



Do not use near flammable materials



The continuous working time do not exceed 12 hours daily



Storage temperature
0°C~+60°C
(32°F~+140°F)



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

 **Cautions**



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..



Do not cover this product as the covering may cause the flexible light to overheat and melt or ignite.



Do not operate with the products. To prevent overheating do not allow contact between products and parts of light cables. Maintain at least 12mm spacing between products or parts of light cables.



Do not cut, shorten, or splice the flexible lighting.



Stop to use if any damage of fail to the light and cord insulation. must inspect periodically.

Stop to use, if abnormal product functions are found, such as abnormal flashing, part of strip are not turning on, burning, and water vapor or droplets found inside the light strip



Do not submerge flexible light in liquids, or use the product in the vicinity of standing water or other liquids.



Do not exceed the maximum number of extensions or flexible light lengths permitted by the marking.



Be wary of risk of fire and electric shock if use this product incorrected or not follow this specification.



Dilux will not response to incorrected used.

Dilux will not be responsible for warranty if product failure happens because of incorrect installation, incorrect use, man-made damage or irresistible external forces (Earthquake, Typhoon, Tsunami, Tornado, 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.**