V1.0

Product Specification

Flexible LED Strip

AC 230V LED HV Strip

2835 AC230V 80LEDs/M IP65

HVFLST2XGE-XX-EU-HR
&
HVFLST2XGE-XX-EU-HR-EP

HK Office :
Unit 1901, 19th Floor, NanYang Plaza, No. 57 Hung To Road
Kwun Tong, Kowloon, Hong Kong

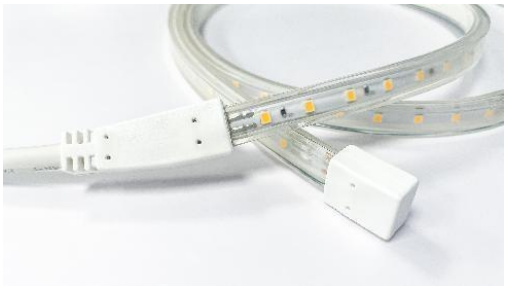
Tel : (852) 3152 3059 (10 lines)
Fax : (852) 3152 3039

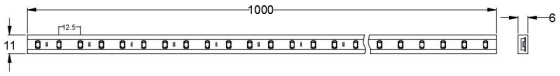
China Factory :
Zhiyang Science and Technology Park, 10 Zhiyang Road, Zhangge,
Fucheng Street, Longhua District, Shenzhen, Guangdong, China

Tel : (86) 755 8601 9190
Fax : (86) 755 8601 9197

Product Features

- Flexible PVC material, electrical insulation;
- Self-encapsulated design offer four optional white light from 2600-6500K;
- High quality FPC;
- Short circuit protection;
- Light source lifetime:30K hours(L70);
- Meet (EU)2019/2020 ErP regulations.
- Min. Bending Diameter: Φ100mm
- Max. length(M): 50M





Cuntting unit :1000mm
2835 80LEDs/m 80LEDs in a unit

Technology info

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

Certification Standards

- EN55015:2019+A11
- EN61547:2009
- EN60598-1:2015
- EN60598-2-20:2015
- EN62493:2015
- EN62471:2008

Non-ErP Waterpro of Type	E 65 3 Years Warranty

ErP Waterpro of Type	E 65 3 Years Warranty

HVFLST2XGE-XX-EU-HR

Parameters for non-ErP

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
HVFLST2WGE-05-EU-HR	80	82	96	5.5	6.05	Warm White	2600-2900K	505	AC 230V
HVFLST2WGE-05-EU-HR				5.5	6.05	Warm White	2900-3200K	545	
HVFLST2NGE-05-EU-HR				5.5	6.05	Natural White	3700-4250K	550	
HVFLST2SGE-05-EU-HR				5.5	6.05	Standard White	5700-6500K	550	
HVFLST2WGE-10-EU-HR	80	82	96	5.5	6.05	Warm White	2600-2900K	505	AC 230V
HVFLST2WGE-10-EU-HR				5.5	6.05	Warm White	2900-3200K	545	
HVFLST2NGE-10-EU-HR				5.5	6.05	Natural White	3700-4250K	550	
HVFLST2SGE-10-EU-HR				5.5	6.05	Standard White	5700-6500K	550	
HVFLST2WGE-20-EU-HR	80	82	96	5.5	6.05	Warm White	2600-2900K	505	AC 230V
HVFLST2WGE-20-EU-HR				5.5	6.05	Warm White	2900-3200K	545	
HVFLST2NGE-20-EU-HR				5.5	6.05	Natural White	3700-4250K	550	
HVFLST2SGE-20-EU-HR				5.5	6.05	Standard White	5700-6500K	550	
HVFLST2WGE-25-EU-HR	80	82	96	5.5	6.05	Warm White	2600-2900K	505	AC 230V
HVFLST2WGE-25-EU-HR				5.5	6.05	Warm White	2900-3200K	545	
HVFLST2NGE-25-EU-HR				5.5	6.05	Natural White	3700-4250K	550	
HVFLST2SGE-25-EU-HR				5.5	6.05	Standard White	5700-6500K	550	
HVFLST2WGE-50-EU-HR	80	82	96	5.5	6.05	Warm White	2600-2900K	505	AC 230V
HVFLST2WGE-50-EU-HR				5.5	6.05	Warm White	2900-3200K	545	
HVFLST2NGE-50-EU-HR				5.5	6.05	Natural White	3700-4250K	550	
HVFLST2SGE-50-EU-HR				5.5	6.05	Standard White	5700-6500K	550	

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 condition of above technical data:

- Surrounding temperature: 26℃.
- Test while turning on.

HVFLST2X9E-XX-EU-HR-EP

Parameters for ErP

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
HVFLST2WGE-05-EU-HR-EP	80	82	96	6	6.6	Warm White	2700K	510	85	F	AC 230V
HVFLST2WGE-05-EU-HR-EP						Warm White	3000K	550	92	F	
HVFLST2NGE-05-EU-HR-EP						Natural White	4000K	555	93	F	
HVFLST2SGE-05-EU-HR-EP						Standard White	6000K	555	93	F	
HVFLST2WGE-10-EU-HR-EP	80	82	96	6	6.6	Warm White	2700K	510	85	F	AC 230V
HVFLST2WGE-10-EU-HR-EP						Warm White	3000K	550	92	F	
HVFLST2NGE-10-EU-HR-EP						Natural White	4000K	555	93	F	
HVFLST2SGE-10-EU-HR-EP						Standard White	6000K	555	93	F	
HVFLST2WGE-20-EU-HR-EP	80	82	96	6	6.6	Warm White	2700K	510	85	F	AC 230V
HVFLST2WGE-20-EU-HR-EP						Warm White	3000K	550	92	F	
HVFLST2NGE-20-EU-HR-EP						Natural White	4000K	555	93	F	
HVFLST2SGE-20-EU-HR-EP						Standard White	6000K	555	93	F	
HVFLST2WGE-25-EU-HR-EP	80	82	96	6	6.6	Warm White	2700K	510	85	F	AC 230V
HVFLST2WGE-25-EU-HR-EP						Warm White	3000K	550	92	F	
HVFLST2NGE-25-EU-HR-EP						Natural White	4000K	555	93	F	
HVFLST2SGE-25-EU-HR-EP						Standard White	6000K	555	93	F	
HVFLST2WGE-50-EU-HR-EP	80	82	96	6	6.6	Warm White	2700K	510	85	F	AC 230V
HVFLST2WGE-50-EU-HR-EP						Warm White	3000K	550	92	F	
HVFLST2NGE-50-EU-HR-EP						Natural White	4000K	555	93	F	
HVFLST2SGE-50-EU-HR-EP						Standard White	6000K	555	93	F	

Remarks:

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

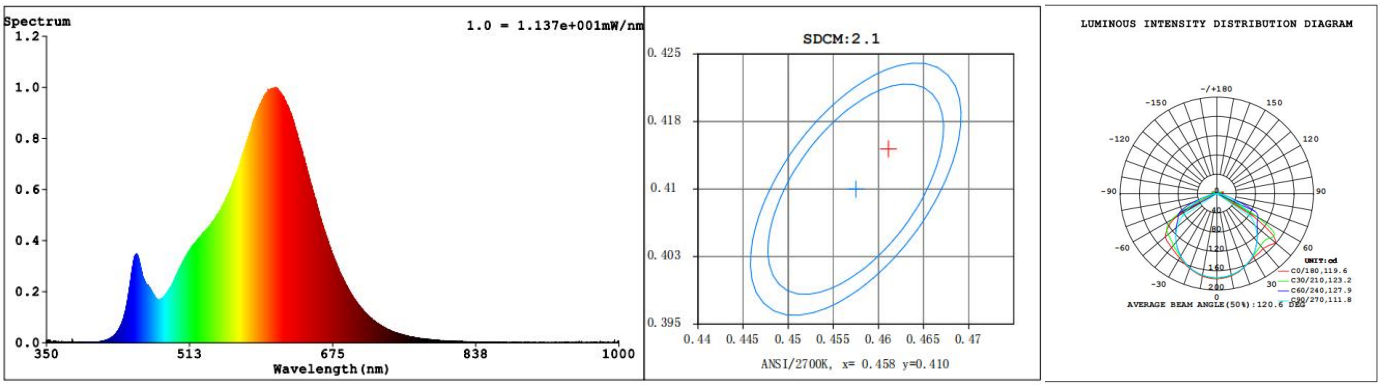
Test condition of above technical data:

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

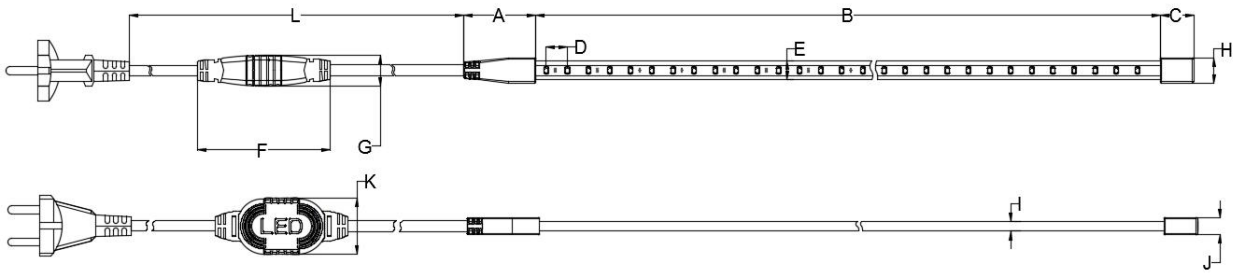
ErP Note:

- 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 1m
- Only for industrial application.

Optical Test Diagram



Dimension Drawing



5 M											
A	B	C	D	E	F	G	H	I	J	K	L
42.8±1mm	5030±30mm	20±1mm	12.5±0.2mm	11±0.5mm	79±1mm	18±1mm	15±1mm	6±1mm	10±0.5mm	33±1mm	1500±25mm
1.69±0.039in	198.0±1.18in	0.79±0.039in	0.49±0.001in	0.43±0.002in	3.11±0.039in	0.7±0.039in	0.59±0.039in	0.24±0.039in	0.39±0.002in	1.3±0.039in	59.06±0.98in
10 M											
A	B	C	D	E	F	G	H	I	J	K	L
42.8±1mm	10030±50mm	20±1mm	12.5±0.2mm	11±0.5mm	79±1mm	18±1mm	15±1mm	6±1mm	10±0.5mm	33±1mm	1500±25mm
1.69±0.039in	394.9±1.97in	0.79±0.039in	0.49±0.001in	0.43±0.002in	3.11±0.039in	0.7±0.039in	0.59±0.039in	0.24±0.039in	0.39±0.002in	1.3±0.039in	59.06±0.98in
20 M											
A	B	C	D	E	F	G	H	I	J	K	L
42.8±1mm	20030±50mm	20±1mm	12.5±0.2mm	11±0.5mm	79±1mm	18±1mm	15±1mm	6±1mm	10±0.5mm	33±1mm	1500±25mm
1.69±0.039in	788.6±1.97in	0.79±0.039in	0.49±0.001in	0.43±0.002in	3.11±0.039in	0.7±0.039in	0.59±0.039in	0.24±0.039in	0.39±0.002in	1.3±0.039in	59.06±0.98in
25 M											
A	B	C	D	E	F	G	H	I	J	K	L
42.8±1mm	25030±50mm	20±1mm	12.5±0.2mm	11±0.5mm	79±1mm	18±1mm	15±1mm	6±1mm	10±0.5mm	33±1mm	1500±25mm
1.69±0.039in	985.4±1.97in	0.79±0.039in	0.49±0.001in	0.43±0.002in	3.11±0.039in	0.7±0.039in	0.59±0.039in	0.24±0.039in	0.39±0.002in	1.3±0.039in	59.06±0.98in
50 M											
A	B	C	D	E	F	G	H	I	J	K	L
42.8±1mm	50030±100mm	20±1mm	12.5±0.2mm	11±0.5mm	79±1mm	18±1mm	15±1mm	6±1mm	10±0.5mm	33±1mm	1500±25mm
1.69±0.039in	1969.7±3.94in	0.79±0.039in	0.49±0.001in	0.43±0.002in	3.11±0.039in	0.7±0.039in	0.59±0.039in	0.24±0.039in	0.39±0.002in	1.3±0.039in	59.06±0.98in

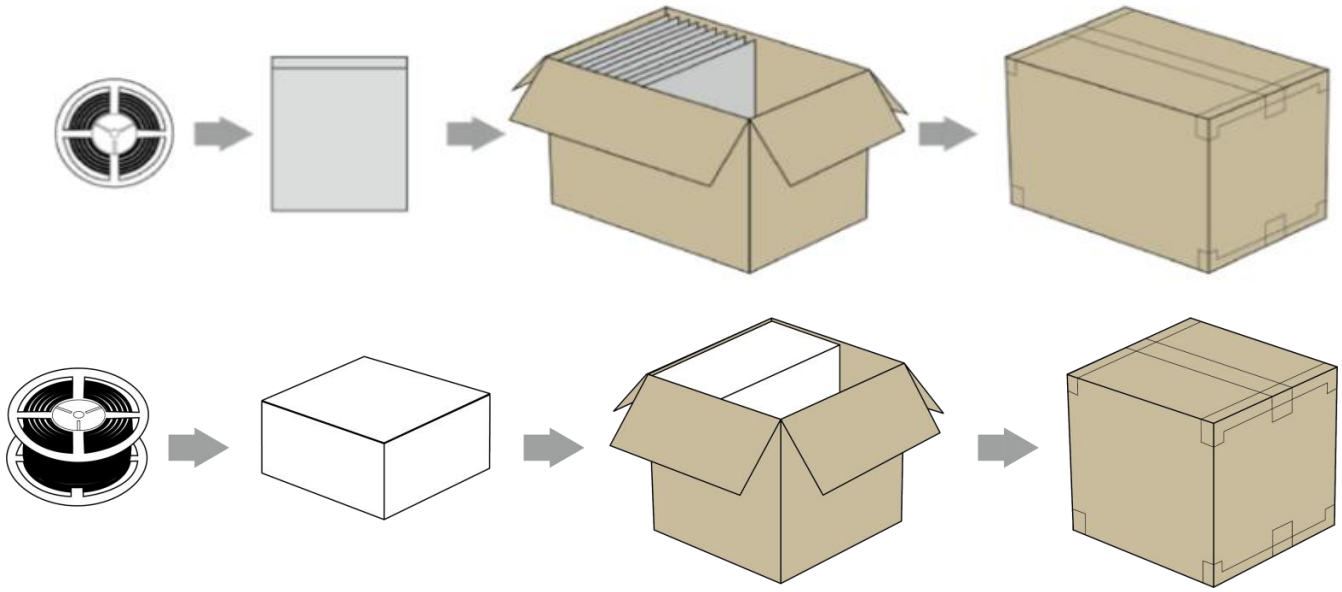
Remarks:

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

Optional Accessories

Category	Picture	Part No.	Description
European accessories		WW-HFE-UWP29-EU-08-1500-01A	EU Power supply set (Adpator、Connector、Waterproof silicone 、Screw 、Head and tail uppe and lower shells)
Buckle		WW-HVFLST3-MC	Fixing clip and screws

Packaging Diagram



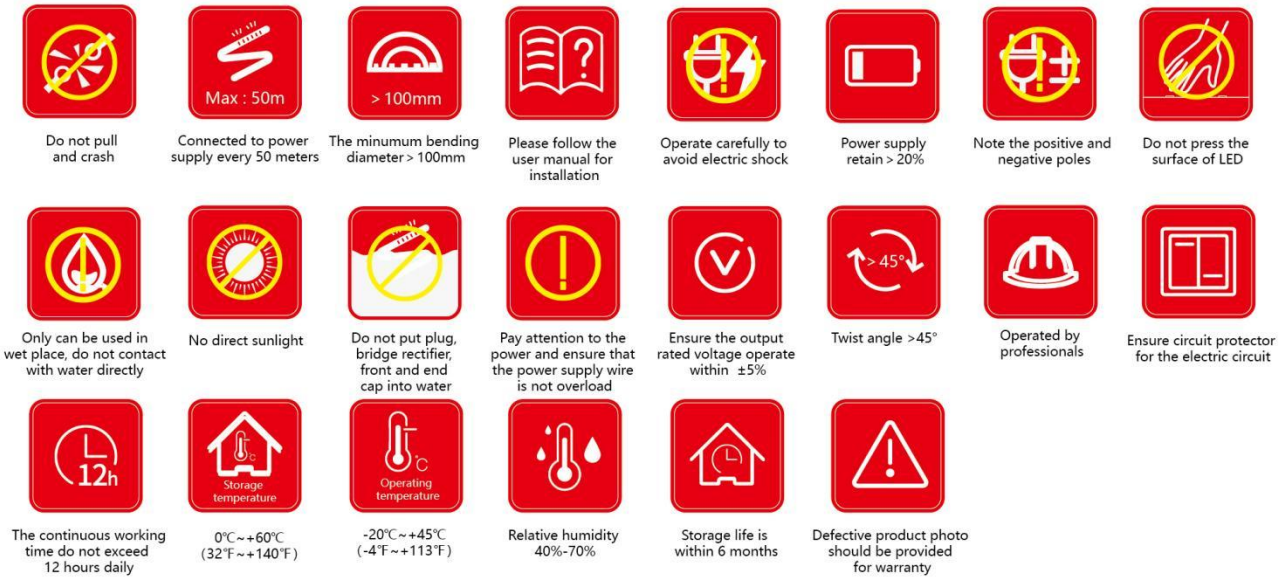
Packaging Information

Length	Reel size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
5m	254*45mm	/	/	280*240*283mm	4	2.16KG±10%	3.43KG ±10%	0.019m^3
	10*1.77in	/	/	11.02*9.45*11.14in	4	4.76Lbs ±10%	7.56Lbs ±10%	0.671ft^3
10m	254*45mm	/	/	280*240*283mm	4	3.56KG±10%	4.95KG ±10%	0.019m^3
	10*1.77in	/	/	11.02*9.45*11.14in	4	7.85Lbs ±10%	10.91Lbs ±10%	0.671ft^3
20m	330*50mm	345*330*61mm	1	362*265*350mm	4	6.36KG ±10%	9.88KG ±10%	0.0335m^3
	12.99*1.97in	13.58*12.99*2.4in	1	14.25*10.43*13.78in	4	14.02Lbs ±10%	21.78Lbs ±10%	1.185ft^3
25m	330*50mm	345*330*61mm	1	362*265*350mm	4	7.76KG ±10%	11.38KG ±10%	0.0335m^3
	12.99*1.97in	13.58*12.99*2.4in	1	14.25*10.43*13.78in	4	17.12Lbs ±10%	25.09Lbs ±10%	1.185ft^3
50m	330*110mm	345*330*122mm	1	362*265*350mm	2	7.38KG ±10%	10.19KG ±10%	0.0335m^3
	12.99*4.33in	13.58*12.99*4.8in	1	14.25*10.43*13.78in	2	16.27 Lbs ±10%	22.47Lbs ±10%	1.185ft^3

Remarks :

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

Cautions



Do not pull and crash

Connected to power supply every 50 meters

The minumum bending diameter > 100mm

Please follow the user manual for installation

Operate carefully to avoid electric shock

Power supply retain > 20%

Note the positive and negative poles

Do not press the surface of LED

Only can be used in wet place, do not contact with water directly

No direct sunlight

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

Pay attention to the power and ensure that the power supply wire is not overload

Ensure the output rated voltage operate within ±5%

Twist angle >45°

Operated by professionals

Ensure circuit protector for the electric circuit

The continuous working time do not exceed 12 hours daily

0℃~+60℃ (32℉~+140℉)

-20℃~+45℃ (-4℉~+113℉)

Relative humidity 40%-70%

Storage life is within 6 months

Defective product photo should be provided for warranty

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..

Factory 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.**

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