V2.0

Product Specification

High Voltage Flexible LED Strip

Classic Series

2835 AC120V/230V 60LEDs/M 8.1W/7.5W IP65

HVFLST2X3C-XX-XX-XR

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

- AC 120V/230V integrated bridge rectifier, plug & on;
- Flexible PVC material, electrical insulation;
- Self-encapsulated design 2835 LED;
- Light source lifetime:50K hours(L70);
- Min. Bending Diameter: Φ100mm;
- Max. length(M): 50M;





Technology info

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

Certification Standards

- EN55015:2013+A1
- EN61547:2009
- EN60598-1:2015
- EN60598-2-20:2015
- EN62493:2015
- EN62471:2008

Non-ErP Waterpro of Type	 C 65
	Naked Strip
	3 Years Warranty

HVFLST2X3C-XX-XX-XR

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)*	3SDCM LED Color Temp.(K) Wavelength(nm)**	Typ. Luminous Flux LM/M(39.37in)	Rated voltage
HVFLST2W3C-50-EU-HR	80	82	96	7.5	8.25	Warm White	2300-2600K	/	500	AC 230V
HVFLST2W3C-50-EU-HR				7.5	8.25	Warm White	2600-2900K	/	550	
HVFLST2W3C-50-EU-HR				7.5	8.25	Warm White	2900-3200K	/	550	
HVFLST2N3C-50-EU-HR				7.5	8.25	Natural White	3700-4250K	/	570	
HVFLST2S3C-50-EU-HR				7.5	8.25	Standard White	5700-6500K	/	570	
HVFLST2W3C-50-EU-UR	90	90	100	7.5	8.25	Warm White	2300-2600K	/	400	
HVFLST2W3C-50-EU-UR				7.5	8.25	Warm White	2600-2900K	/	480	
HVFLST2W3C-50-EU-UR				7.5	8.25	Warm White	2900-3200K	/	480	
HVFLST2N3C-50-EU-UR				7.5	8.25	Natural White	3700-4250K	/	500	
HVFLST2S3C-50-EU-UR				7.5	8.25	Standard White	5700-6500K	/	500	
HVFLST2W3C-25-EU-HR	80	82	96	7.5	8.25	Warm White	2300-2600K	/	500	AC 230V
HVFLST2W3C-25-EU-HR				7.5	8.25	Warm White	2600-2900K	/	550	
HVFLST2W3C-25-EU-HR				7.5	8.25	Warm White	2900-3200K	/	550	
HVFLST2N3C-25-EU-HR				7.5	8.25	Natural White	3700-4250K	/	570	
HVFLST2S3C-25-EU-HR				7.5	8.25	Standard White	5700-6500K	/	570	
HVFLST2W3C-25-EU-UR	90	90	100	7.5	8.25	Warm White	2300-2600K	/	400	
HVFLST2W3C-25-EU-UR				7.5	8.25	Warm White	2600-2900K	/	480	
HVFLST2W3C-25-EU-UR				7.5	8.25	Warm White	2900-3200K	/	480	
HVFLST2N3C-25-EU-UR				7.5	8.25	Natural White	3700-4250K	/	500	
HVFLST2S3C-25-EU-UR				7.5	8.25	Standard White	5700-6500K	/	500	
HVFLST2W3C-10-EU-HR	80	82	96	7.5	8.25	Warm White	2300-2600K	/	500	AC 230V
HVFLST2W3C-10-EU-HR				7.5	8.25	Warm White	2600-2900K	/	550	
HVFLST2W3C-10-EU-HR				7.5	8.25	Warm White	2900-3200K	/	550	
HVFLST2N3C-10-EU-HR				7.5	8.25	Natural White	3700-4250K	/	570	
HVFLST2S3C-10-EU-HR				7.5	8.25	Standard White	5700-6500K	/	570	
HVFLST2W3C-10-EU-UR	90	90	100	7.5	8.25	Warm White	2300-2600K	/	400	
HVFLST2W3C-10-EU-UR				7.5	8.25	Warm White	2600-2900K	/	480	
HVFLST2W3C-10-EU-UR				7.5	8.25	Warm White	2900-3200K	/	480	
HVFLST2N3C-10-EU-UR				7.5	8.25	Natural White	3700-4250K	/	500	
HVFLST2S3C-10-EU-UR				7.5	8.25	Standard White	5700-6500K	/	500	

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
HVFLST2W3C-50-US-HR	80	82	96	8.1	8.91	Warm White	2300-2600K	/	540	AC 120V
HVFLST2W3C-50-US-HR				8.1	8.91	Warm White	2600-2900K	/	590	
HVFLST2W3C-50-US-HR				8.1	8.91	Warm White	2900-3200K	/	590	
HVFLST2N3C-50-US-HR				8.1	8.91	Natural White	3700-4250K	/	620	
HVFLST2S3C-50-US-HR				8.1	8.91	Standard White	5700-6500K	/	620	
HVFLST2W3C-50-US-UR	90	90	100	8.1	8.91	Warm White	2300-2600K	/	440	
HVFLST2W3C-50-US-UR				8.1	8.91	Warm White	2600-2900K	/	500	
HVFLST2W3C-50-US-UR				8.1	8.91	Warm White	2900-3200K	/	500	
HVFLST2N3C-50-US-UR				8.1	8.91	Natural White	3700-4250K	/	530	
HVFLST2S3C-50-US-UR				8.1	8.91	Standard White	5700-6500K	/	530	
HVFLST2W3C-25-US-HR	80	82	96	8.1	8.91	Warm White	2300-2600K	/	540	AC 120V
HVFLST2W3C-25-US-HR				8.1	8.91	Warm White	2600-2900K	/	590	
HVFLST2W3C-25-US-HR				8.1	8.91	Warm White	2900-3200K	/	590	
HVFLST2N3C-25-US-HR				8.1	8.91	Natural White	3700-4250K	/	620	
HVFLST2S3C-25-US-HR				8.1	8.91	Standard White	5700-6500K	/	620	
HVFLST2W3C-25-US-UR	90	90	100	8.1	8.91	Warm White	2300-2600K	/	440	
HVFLST2W3C-25-US-UR				8.1	8.91	Warm White	2600-2900K	/	500	
HVFLST2W3C-25-US-UR				8.1	8.91	Warm White	2900-3200K	/	500	
HVFLST2N3C-25-US-UR				8.1	8.91	Natural White	3700-4250K	/	530	
HVFLST2S3C-25-US-UR				8.1	8.91	Standard White	5700-6500K	/	530	
HVFLST2W3C-10-US-HR	80	82	96	8.1	8.91	Warm White	2300-2600K	/	540	AC 120V
HVFLST2W3C-10-US-HR				8.1	8.91	Warm White	2600-2900K	/	590	
HVFLST2W3C-10-US-HR				8.1	8.91	Warm White	2900-3200K	/	590	
HVFLST2N3C-10-US-HR				8.1	8.91	Natural White	3700-4250K	/	620	
HVFLST2S3C-10-US-HR				8.1	8.91	Standard White	5700-6500K	/	620	
HVFLST2W3C-10-US-UR	90	90	100	8.1	8.91	Warm White	2300-2600K	/	440	
HVFLST2W3C-10-US-UR				8.1	8.91	Warm White	2600-2900K	/	500	
HVFLST2W3C-10-US-UR				8.1	8.91	Warm White	2900-3200K	/	500	
HVFLST2N3C-10-US-UR				8.1	8.91	Natural White	3700-4250K	/	530	
HVFLST2S3C-10-US-UR				8.1	8.91	Standard White	5700-6500K	/	530	

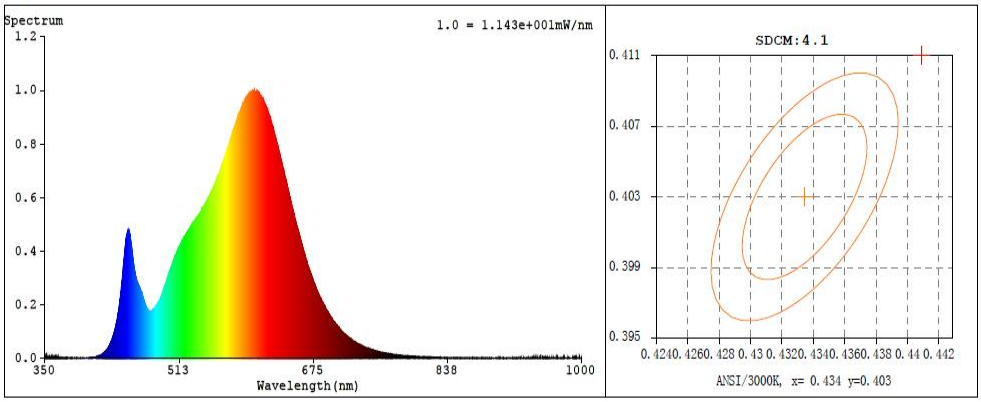
Remarks:

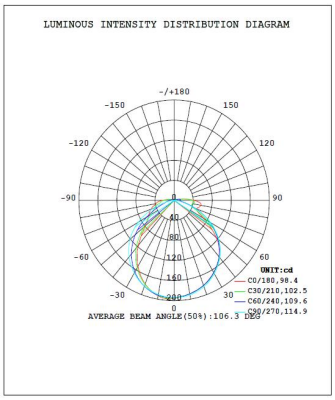
- * The above color temperature is the color temperature of LED source.
- ** Indicates SDCM<3 model is available, part number will add the suffix "-3S".
- The typ. Luminous flux tolerance range is ±10% (subject to the manufacturer's instrument test).

Test condition of above technical data:

- Surrounding temperature: 26℃.
- Test while turning on.
- The above technical data, including typical power are based on the test of 0.5m.

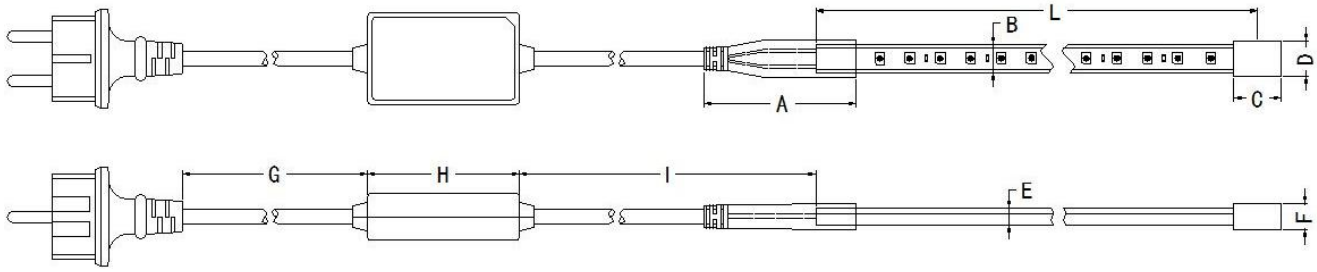
Optical Test Diagram





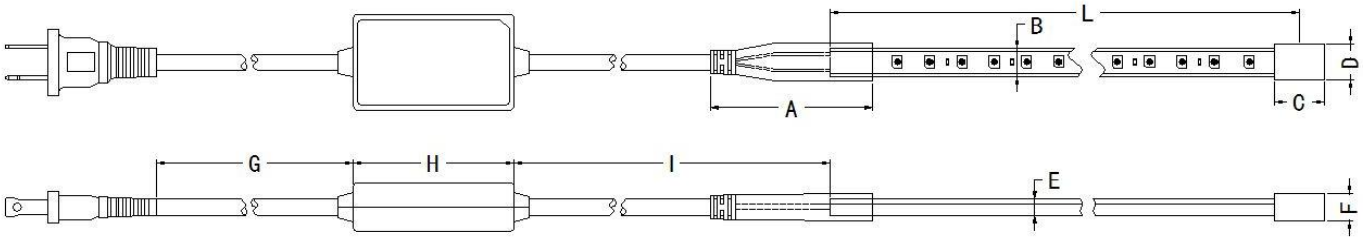
Dimension Drawing

2835 high voltage LED strip (HVFLST2X3C-XX-EU-XR) Input Voltage：AC230V



50M									
A	B	C	D	E	F	G	H	I	L
65±0.5mm	11.3±0.3m	20±0.5mm	15±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm	50,030±100mm
2.560±0.019in	0.444±0.011in	0.787±0.019in	0.590±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196in	1969.7±3.94in
25M									
A	B	C	D	E	F	G	H	I	L
65±0.5mm	11.3±0.3m	20±0.5mm	15±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm	25,030±100mm
2.560±0.019in	0.444±0.011in	0.787±0.019in	0.590±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196in	985.4±3.94in
10M									
A	B	C	D	E	F	G	H	I	L
65±0.5mm	11.3±0.3m	20±0.5mm	15±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm	10,030±100mm
2.560±0.019in	0.444±0.011in	0.787±0.019in	0.590±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196in	394.9±3.94in

2835 high voltage LED strip (HVFLST2X3C-XX-US-XR) Input Voltage：AC120V



50M									
A	B	C	D	E	F	G	H	I	L
65±0.5mm	11.3±0.3m	20±0.5mm	15±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm	50,030±100mm
2.560±0.019in	0.444±0.011in	0.787±0.019in	0.590±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196in	1969.7±3.94in
25M									
A	B	C	D	E	F	G	H	I	L
65±0.5mm	11.3±0.3m	20±0.5mm	15±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm	25,030±100mm
2.560±0.019in	0.444±0.011in	0.787±0.019in	0.590±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196in	985.4±3.94in
10M									
A	B	C	D	E	F	G	H	I	L
65±0.5mm	11.3±0.3m	20±0.5mm	15±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm	10,030±100mm
2.560±0.019in	0.444±0.011in	0.787±0.019in	0.590±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196in	394.9±3.94in

Remarks:

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

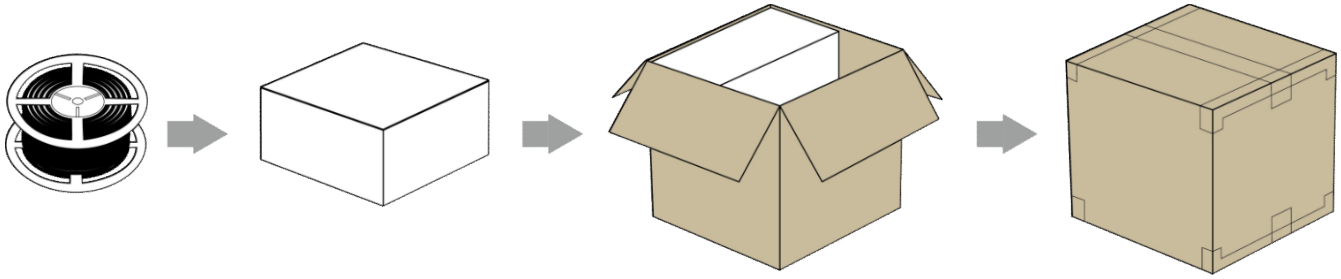
Standard Accessories

Category	Picture	Material Code	Description
PC Buckle		A.HVFLST3-MC	Transparent fixing clip
Screw		W.42.S00301601NT0	Stainless steel screw

Optional Accessories

Category	Picture	Part No.	Description
European accessories		HVFLST2-FEC-EU	EU Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap)
American accessories		HVFLST2-FEC-US	US Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap)
British accessories		HVFLST2-FEC-UK	UK Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap)
China accessories		HVFLST2-FEC-CN	CN Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap)
glue		WW-PVCG	PVC glue

Packaging Diagram



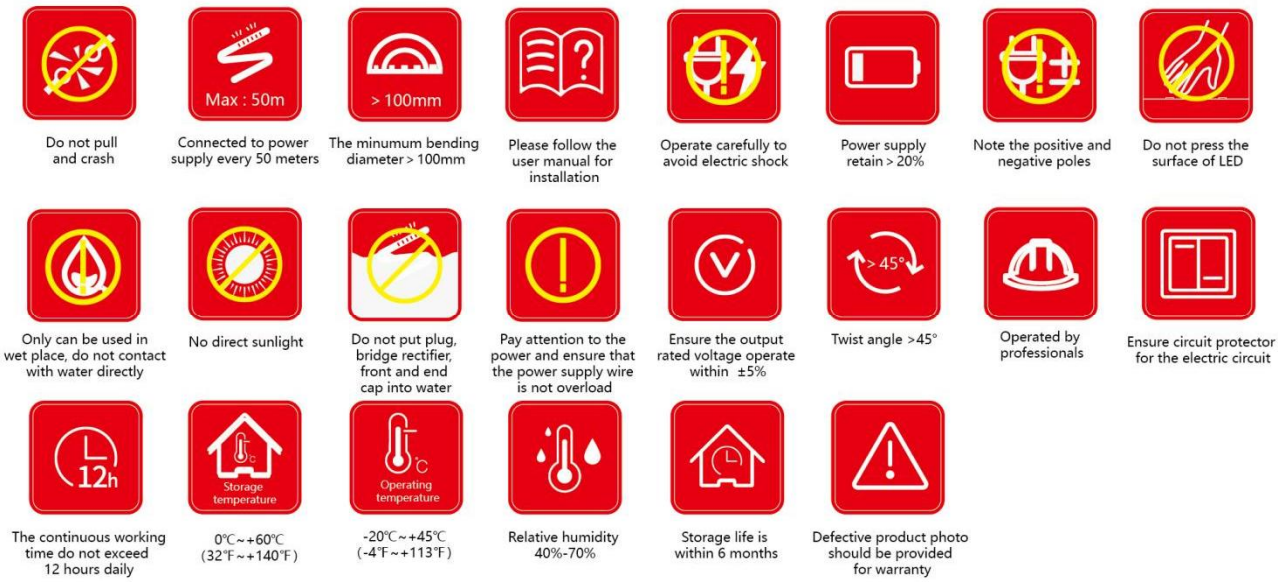
Packaging Information

Length	Reel size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
10m	254*45mm	270*255*53mm	1	280*240*285mm	4	4.20KG ±10%	6.19KG ±10%	0.0192m^3
	10*1.77in	10.63*10.04*2.09in	1	11.02*9.45*11.22in	4	9.26Lbs ±10%	13.65Lbs ±10%	0.676ft^3
25m	330*70mm	345*330*82mm	1	362*350*185mm	2	5.25KG ±10%	7.35KG ±10%	0.0234m^3
	12.99*2.76in	13.58*12.99*3.23in	1	14.25*13.78*7.28in	2	11.57Lbs ±10%	16.20Lbs ±10%	0.828ft^3
50m	330*110mm	345*330*122mm	1	365*265*350mm	2	10.50KG ±10%	13.25KG ±10%	0.0339m^3
	12.99*4.33in	13.58*12.99*4.80in	1	14.37*10.43*13.78in	2	23.15 Lbs ±10%	29.61Lbs ±10%	1.2ft^3

Remarks :

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

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..

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.**

*Copyright@2021 Dilux Lighting Ltd. All Rights Reserved.