V2.0

Product Specification

AC 120V&230V LED HV Strip

5050 AC120V&230V 60LEDs/M 8.7W&9W/m IP65

HVFLST5X3C-XX-XX-HR

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

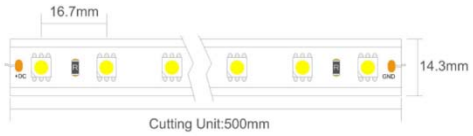
Tel : (86) 755 8601 9190
Fax : (86) 755 8601 9197

Product Features

- AC 120V/230V external bridge rectifier, plug & on;
- Flexible PVC material, electrical insulation ;
- Self-encapsulated design offer five optional white light from 2300-6500K ;
- Light source lifetime: 50Khours (L70);

EU

US



Technology info

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

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

Waterproof Type	C 65
	3 Years Warranty

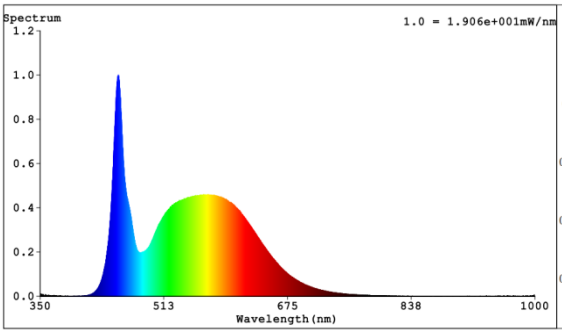
Technical Parameters

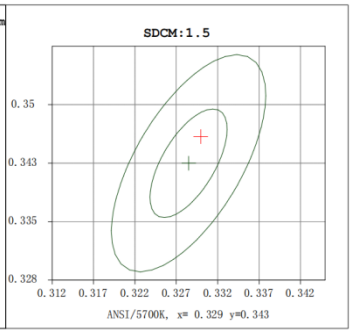
Model NO.	CRI (Ra)	Rf	Rg	Typical Power (W/M)	Max. Power (W/M)	Color	LED Color Temp.(K) Wavelength(nm)*	3SDCM LED Color Temp.(K) Wavelength(nm)**	Typ. Luminous Flux LM/M(39.37in)	Rated voltage
HVFLST5X3C-XX-EU-HR	80	82	96	7.00	7.70	Warm White	2300-2600K	/	500	AC230V
						Warm White	2600-2900K	/	540	
						Warm White	2900-3200K	/	540	
						Natural White	3700-4250K	/	570	
						Standard White	5700-6500K	/	570	
HVFLST5X3C-XX-US-HR	80	82	96	8.10	8.91	Warm White	2300-2600K	/	530	AC120V
						Warm White	2600-2900K	/	570	
						Warm White	2900-3200K	/	570	
						Natural White	3700-4250K	/	600	
						Standard White	5700-6500K	/	600	

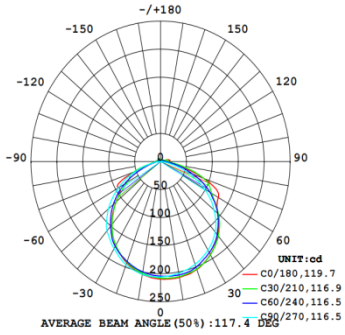
Remark：

- ** The above color temperature is the color temperature of LED, finished waterproof product may exist a little color shift.
- The lumen value tolerance range is ±10% (subject to the manufacturer's instrument test).
- The above value of power is not including the power consumption of external bridge rectifier.
- Power consumption of bridge rectifier : EU:2W , US:0.6W

Optical Test Diagram

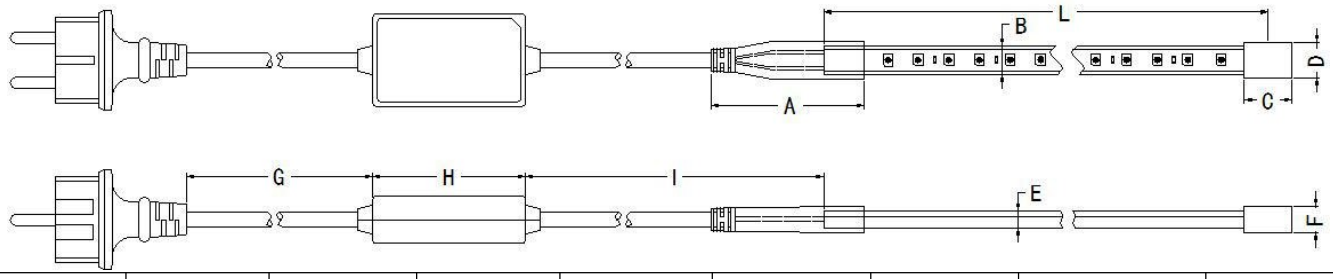






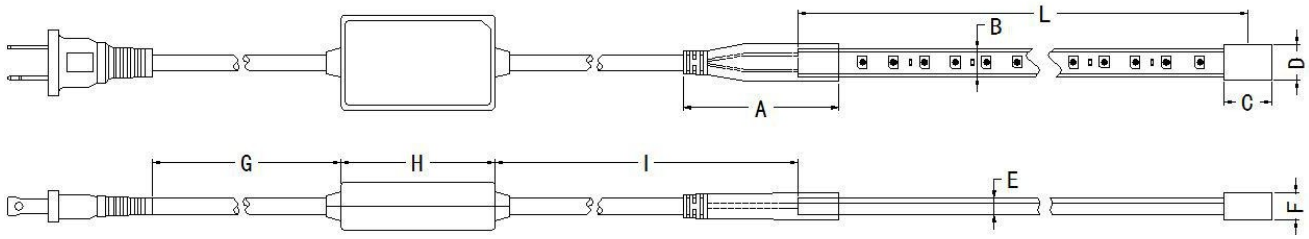
Dimension Drawing

5050 high voltage LED strip（HVFLST5X3C-XX-EU-XR）Input Voltage：AC230V



A	B	C	D	E	F	G	H	I
65±0.5mm	14.3±0.3m	20±0.5mm	17.5±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm
2.560±0.019in	0.563±0.011in	0.787±0.019in	0.689±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196in

5050 high voltage LED strip（HVFLST5X3C-XX-US-XR）Input Voltage：AC120V



A	B	C	D	E	F	G	H	I
65±0.5mm	14.3±0.3m	20±0.5mm	17.5±0.5mm	7.5±0.2mm	11.5±0.5mm	1000±10mm	64±0.5mm	500±5mm
2.560±0.019in	0.563±0.011in	0.787±0.019in	0.689±0.019in	0.295±0.007in	0.427±0.019in	39.370±0.393in	2.519±0.019in	19.685±0.196i

Remark：

- Strip Length "L" (500CM,2000CM,5000CM)
- Tolerance of measurement is：
  ≤500CM，±3 CM；
  ≥500CM≤5000CM，±5 CM；
  ≥5000CM≤10000CM，±10 CM

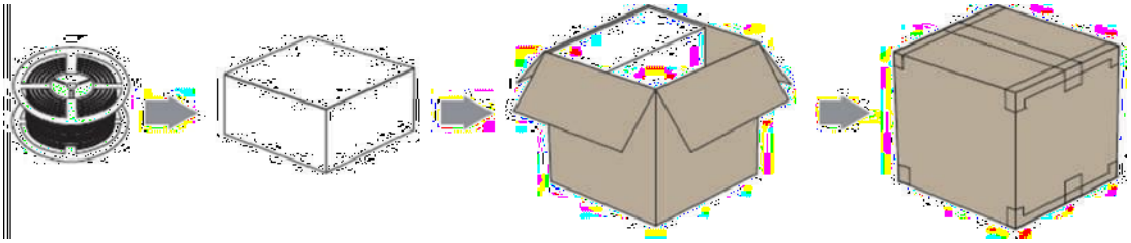
Standard Accessories

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			
5m	254*45mm	270*255*53mm	1	280*240*283mm	4	0.71KG ±10%	1.052KG ±10%	0.019m³
	10*1.77in	10.62*10.03*2.08in	1	11.02*9.44*11.14in	4	1.565 Lbs ±10%	2.319Lbs ±10%	0.67ft³
20m	330*50mm	345*330*61mm	1	362*265*350mm	4	2.81KG ±10%	3.528KG ±10%	0.0335m³
	12.99*1.96in	13.58*12.99*2.4in	1	14.25*10.43*13.77in	4	6.194 Lbs ±10%	7.777Lbs ±10%	1.185ft³
50m	330*110mm	345*330*122mm	1	362*265*350mm	2	7.015KG ±10%	8.023KG ±10%	0.0335m³
	12.99*4.33in	13.58*12.99*4.8in	1	14.25*10.43*13.77in	2	15.464 Lbs ±10%	17.686Lbs ±10%	1.185ft³

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℃~+45℃ (-4℉~+113℉)

0℃~+60℃ (32℉~+140℉)

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 minumum 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.**

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