

# Product Specification

## High Voltage Flexible LED Strip Economy Series

2835 AC230V 100LEDs/M 8W IP44

HVFLST2XBC-XX-EU-HR-LD



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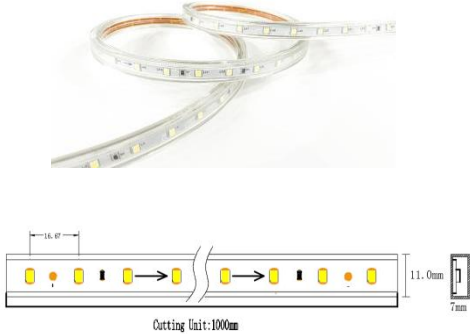
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<div><div>Product Features</div><div><ul style="list-style-type: none"><li>● AC 230V integrated bridge rectifier, plug &amp; on;</li><li>● Flexible PVC material, electrical insulation;</li><li>● Self-encapsulated design 2835 LED;</li><li>● Light source lifetime:50K hours(L70);</li><li>● Min. Bending Diameter: Φ100mm;</li><li>● Max. length(M): 50M;</li></ul></div></div>	<div></div>
<div><div>Technology info</div><div><ul style="list-style-type: none"><li>● Lighting Technology: LED</li><li>● DLS or NDLS: NDLS</li><li>● MLS or NMLS: MLS</li></ul></div></div>	<div><div>Certification Standards</div><div><ul style="list-style-type: none"><li>□ □ EN55015:2013+A1</li><li>□ □ EN61547:2009</li><li>□ □ EN60598-1:2015</li><li>□ □ EN60598-2-20:2015</li><li>□ □ EN62493:2015</li><li>□ □ EN62471:2008</li></ul></div></div>

Non-ErP Waterpro of Type	
	Naked Strip
	3 Years Warranty

# HVFLST2XBC-XX-EU-HR-LD

## 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 L/M/M(39.37in)	Rated voltage
HVFLST2WBC-10-EU-HR-LD	80	82	96	8	8.8	Warm White	2800-3200K	/	680	AC230V
HVFLST2NBC-10-EU-HR-LD				8	8.8	Natural White	3800-4200K	/	730	
HVFLST2SBC-10-EU-HR-LD				8	8.8	Standard White	6300-6800K	/	730	
HVFLST2WBC-25-EU-HR-LD	80	82	96	8	8.8	Warm White	2800-7000K	/	680	
HVFLST2NBC-25-EU-HR-LD				8	8.8	Natural White	2800-3200K	/	730	
HVFLST2SBC-25-EU-HR-LD				8	8.8	Standard White	3800-4200K	/	730	
HVFLST2WBC-50-EU-HR-LD	80	82	96	8	8.8	Warm White	6500-3200K	/	680	
HVFLST2NBC-50-EU-HR-LD				8	8.8	Natural White	2800-7000K	/	730	
HVFLST2SBC-50-EU-HR-LD				8	8.8	Standard White	2800-3200K	/	730	

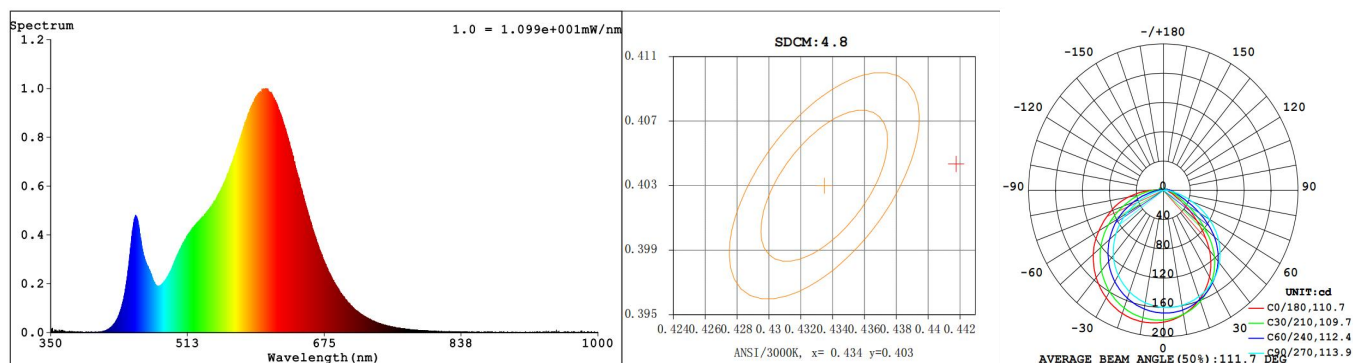
### Remarks:

- \* 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).

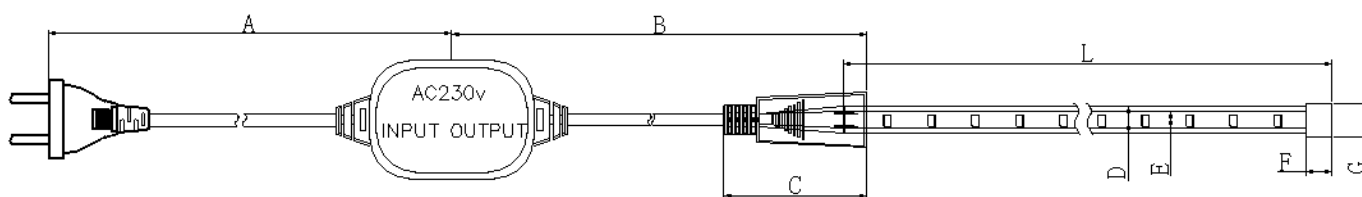
### Test condition of above technical data:

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

## Optical Test Diagram



## Dimension Drawing



50M							
A	B	C	D	E	F	G	L
295±2mm	160±2mm	60±1mm	14±0.5mm	7±0.2mm	11.5±0.2mm	17±0.5mm	50000±50mm
1161±0.079in	6.3±0.079in	2.36±0.04in	0.55±0.02in	0.275±0.08in	0.45±0.008in	0.67±0.02in	393.7±1.97 in
25M							
A	B	C	D	E	F	G	L
295±2mm	160±2mm	60±1mm	14±0.5mm	7±0.2mm	11.5±0.2mm	17±0.5mm	25000±50mm
1161±0.079in	6.3±0.079in	2.36±0.04in	0.55±0.02in	0.275±0.08in	0.45±0.008in	0.67±0.02in	984.25±1.97 in
10M							
A	B	C	D	E	F	G	L
295±2mm	160±2mm	60±1mm	14±0.5mm	7±0.2mm	11.5±0.2mm	17±0.5mm	10000±50mm
1161±0.079in	6.3±0.079in	2.36±0.04in	0.55±0.02in	0.275±0.08in	0.45±0.008in	0.67±0.02in	1968.5±1.97 in

### 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		A.HVFLST2-FEC(EU)-LD	EU Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap)
glue		WW-PVCG	PVC glue

Packaging Diagram



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	6.08KG±10%	8.07KG ±10%	0.0192m <sup>3</sup>
	10*1.77in	10.63*10.04*2.09in	1	11.02*9.45*11.22in	4	13.4Lbs ±10%	17.79Lbs ±10%	0.676ft <sup>3</sup>
25m	330*70mm	345*330*82mm	1	362*350*185mm	2	6.84 KG ±10%	8.95KG ±10%	0.0234m <sup>3</sup>
	12.99*2.76in	13.58*12.99*3.23in	1	14.25*13.78*7.28in	2	15.08Lbs ±10%	19.73Lbs ±10%	0.828ft <sup>3</sup>
50m	330*120mm	/	/	320*320*140mm	1	6.85KG ±10%	7.85KG ±10%	0.0143m3
	12.2*4.72in	/	/	12.6*12.6 *5.51 in	1	15.1 Lbs ±10%	17.31Lbs ±10%	0.5048ft3

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 minimum 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  $\pm 5\%$



Twist angle > 45°



Operated by professionals



Ensure circuit protector for the electric circuit



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)



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.