

Product Specification

Flexible LED Strip AC 230V LED HV Strip

2835 AC230V 70LEDs/M IP65

HVFLST2X9E-XX-EU-HR-HQ1
&
HVFLST2X9E-XX-EU-HR-HQ1-EP



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China Factory :

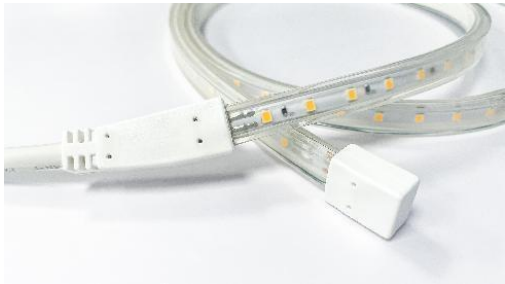
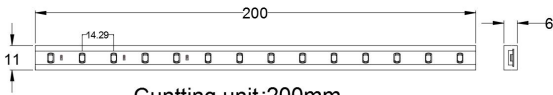
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Product Features • Flexible PVC material, electrical insulation; • Self-encapsulated design offer four optional white light from 2600-6500K; • High quality FPC; • Short circuit protection; • Light source lifetime:30K hours(L70); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: Φ100mm • Max. length(M): 50M	  Cuntting unit:200mm 2835 70LEDs/m 14LEDs 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

HVFLST2X9E-XX-EU-HR-HQ1

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
HVFLST2W9E-05-EU-HR-HQ1	80	82	96	10	11	Warm White	2600-2900K	983	AC 230V
HVFLST2W9E-05-EU-HR-HQ1				10	11	Warm White	2900-3200K	1017	
HVFLST2N9E-05-EU-HR-HQ1				10	11	Natural White	3700-4250K	1067	
HVFLST2S9E-05-EU-HR-HQ1				10	11	Standard White	5700-6500K	1050	
HVFLST2W9E-10-EU-HR-HQ1	80	82	96	10	11	Warm White	2600-2900K	983	AC 230V
HVFLST2W9E-10-EU-HR-HQ1				10	11	Warm White	2900-3200K	1017	
HVFLST2N9E-10-EU-HR-HQ1				10	11	Natural White	3700-4250K	1067	
HVFLST2S9E-10-EU-HR-HQ1				10	11	Standard White	5700-6500K	1050	
HVFLST2W9E-20-EU-HR-HQ1	80	82	96	10	11	Warm White	2600-2900K	983	AC 230V
HVFLST2W9E-20-EU-HR-HQ1				10	11	Warm White	2900-3200K	1017	
HVFLST2N9E-20-EU-HR-HQ1				10	11	Natural White	3700-4250K	1067	
HVFLST2S9E-20-EU-HR-HQ1				10	11	Standard White	5700-6500K	1050	
HVFLST2W9E-25-EU-HR-HQ1	80	82	96	10	11	Warm White	2600-2900K	983	AC 230V
HVFLST2W9E-25-EU-HR-HQ1				10	11	Warm White	2900-3200K	1017	
HVFLST2N9E-25-EU-HR-HQ1				10	11	Natural White	3700-4250K	1067	
HVFLST2S9E-25-EU-HR-HQ1				10	11	Standard White	5700-6500K	1050	
HVFLST2W9E-50-EU-HR-HQ1	80	82	96	10	11	Warm White	2600-2900K	983	AC 230V
HVFLST2W9E-50-EU-HR-HQ1				10	11	Warm White	2900-3200K	1017	
HVFLST2N9E-50-EU-HR-HQ1				10	11	Natural White	3700-4250K	1067	
HVFLST2S9E-50-EU-HR-HQ1				10	11	Standard White	5700-6500K	1050	

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 condition of above technical data:

- Surrounding temperature: 26°C.
- Test while turning on.

HVFLST2X9E-XX-EU-HR-HQ1-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
HVFLST2W9E-05-EU-HR-HQ1-EP	80	82	96	11.33	12.47	Warm White	2700K	1000	88	F	AC 230V
HVFLST2W9E-05-EU-HR-HQ1-EP						Warm White	3000K	1033	91	F	
HVFLST2N9E-05-EU-HR-HQ1-EP						Natural White	4000K	1083	96	F	
HVFLST2S9E-05-EU-HR-HQ1-EP						Standard White	6000K	1067	94	F	
HVFLST2W9E-10-EU-HR-HQ1-EP	80	82	96	11.33	12.47	Warm White	2700K	1000	88	F	AC 230V
HVFLST2W9E-10-EU-HR-HQ1-EP						Warm White	3000K	1033	91	F	
HVFLST2N9E-10-EU-HR-HQ1-EP						Natural White	4000K	1083	96	F	
HVFLST2S9E-10-EU-HR-HQ1-EP						Standard White	6000K	1067	94	F	
HVFLST2W9E-20-EU-HR-HQ1-EP	80	82	96	11.33	12.47	Warm White	2700K	1000	88	F	AC 230V
HVFLST2W9E-20-EU-HR-HQ1-EP						Warm White	3000K	1033	91	F	
HVFLST2N9E-20-EU-HR-HQ1-EP						Natural White	4000K	1083	96	F	
HVFLST2S9E-20-EU-HR-HQ1-EP						Standard White	6000K	1067	94	F	
HVFLST2W9E-25-EU-HR-HQ1-EP	80	82	96	11.33	12.47	Warm White	2700K	1000	88	F	AC 230V
HVFLST2W9E-25-EU-HR-HQ1-EP						Warm White	3000K	1033	91	F	
HVFLST2N9E-25-EU-HR-HQ1-EP						Natural White	4000K	1083	96	F	
HVFLST2S9E-25-EU-HR-HQ1-EP						Standard White	6000K	1067	94	F	
HVFLST2W9E-50-EU-HR-HQ1-EP	80	82	96	11.33	12.47	Warm White	2700K	1000	88	F	AC 230V
HVFLST2W9E-50-EU-HR-HQ1-EP						Warm White	3000K	1033	91	F	
HVFLST2N9E-50-EU-HR-HQ1-EP						Natural White	4000K	1083	96	F	
HVFLST2S9E-50-EU-HR-HQ1-EP						Standard White	6000K	1067	94	F	

Remarks:

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

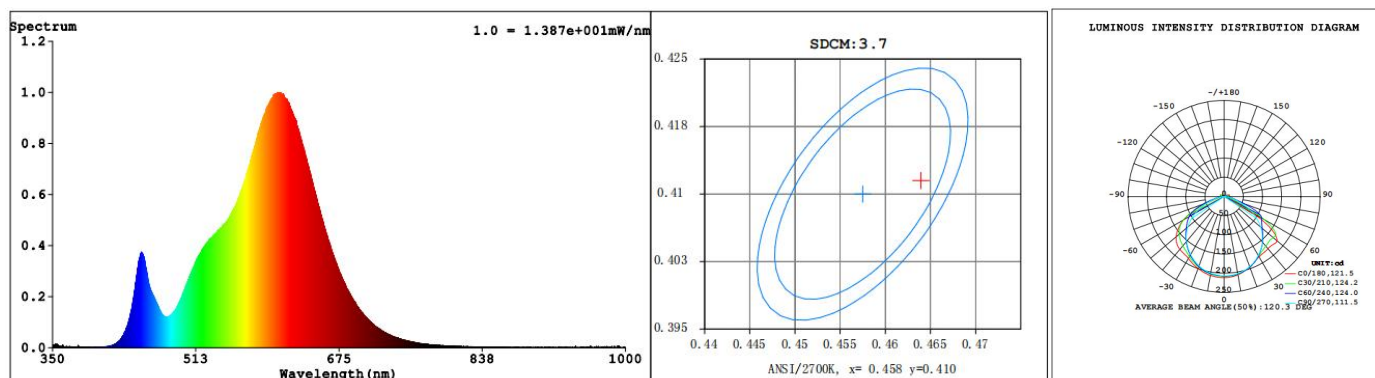
Test condition of above technical data:

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

ErP Note:

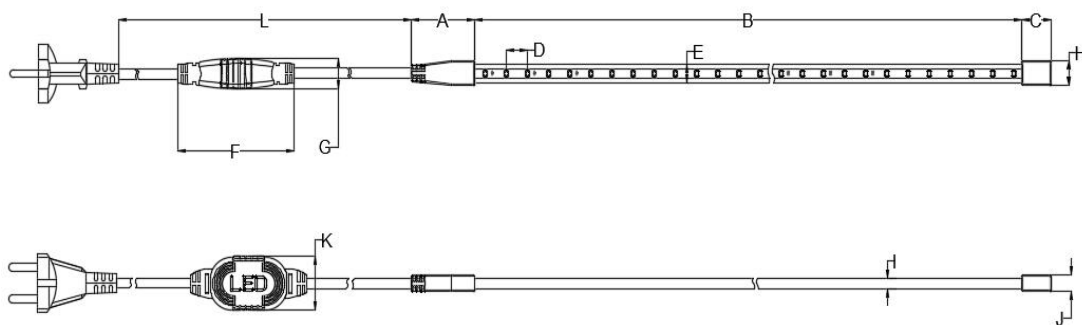
- According to the new ErP 2019/2020 regulation for each 0.5m or nearest 0.5m strip, the following requirements must be met:
- Measured power $\leq$ Pon +5% ;
- Measured lumen $\geq$ Useful luminous flux -10%;
- Measured CRI $\geq$ Declared CRI-2
- The above technical data, including typical power are based on the test of 0.6m
- Only for industrial application.

Optical Test Diagram

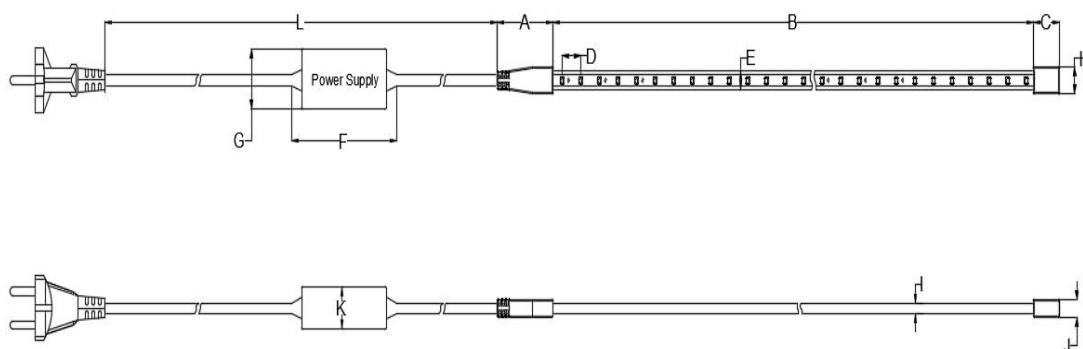


Dimension Drawing

Dimension Drawing of 5/10/20/25M high voltage LED strip



Dimension Drawing of 50M high voltage LED strip



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	76±1mm	39±1mm	15±1mm	6±1mm	10±0.5mm	24±1mm	1500±25mm
1.69±0.039in	1969.7±3.94in	0.79±0.039in	0.49±0.001in	0.43±0.002in	3.2±0.039in	1.54±0.039in	0.59±0.039in	0.24±0.039in	0.39±0.002in	0.94±0.039in	59.06±0.98in

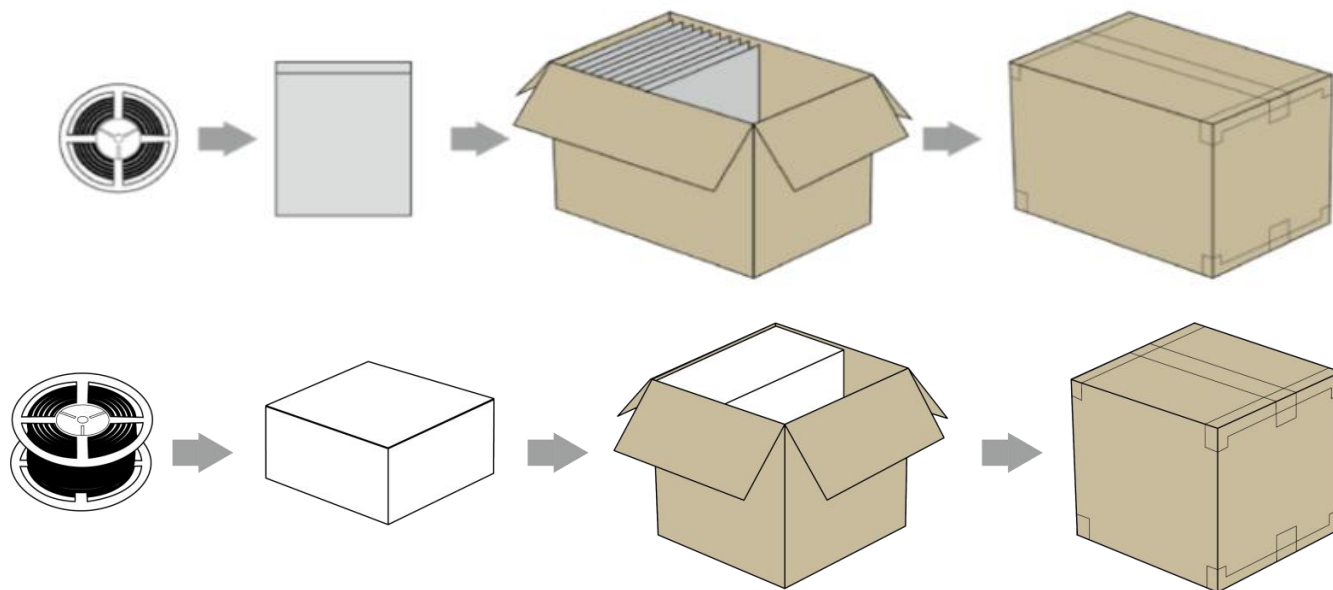
Remarks:

- 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 upper and lower shells)
European accessories		WW-HFE-UWP29-EU-08-1500-02A	EU Power supply set (Adpator, Connector, Waterproof silicone 、Screw 、Head and tail upper 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 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 ±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.