

Product Specification

SMD HV Strip

PRO 2835 AC230V 104LEDs/M

single color flicker- free interal

HVFLST2XTD-XX-EU-XR-HQ1(CF)

&

HVFLST2XTD-XX-EU-XR-HQ1-EP(CF)

Apply to ERP Regulation (EU) 2019/2020



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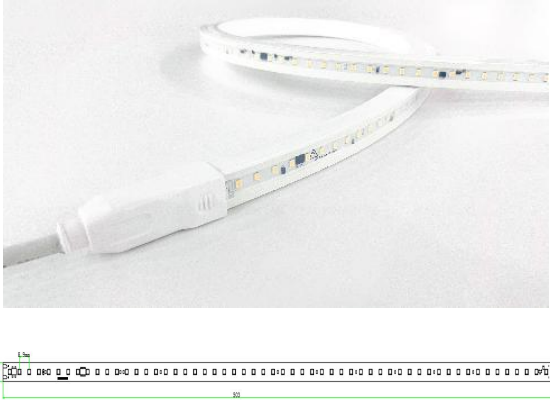
China Factory :


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<p>Product Features</p> <ul style="list-style-type: none"> • Flexible Silicone material, electrical insulation; • Self-encapsulated design offer four optional white light from 2600-6500K; • High quality FPC; • Light source lifetime:30K hours(L70); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: Φ150mm • Max. length(M): 30M 	
<p>Technology info</p> <ul style="list-style-type: none"> • Lighting Technology: LED • DLS or NDLS: NDLS • MLS or NMLS: MLS 	<p>Certification Standards</p> <ul style="list-style-type: none"> • EN55015:2019+A11 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008

<p>Non-ErP Waterpro of Type</p>	 <small>65</small>
	<p>3 Years Warranty</p>

<p>ErP Waterpro of Type</p>	 <small>65</small>
	<p>3 Years Warranty</p>

HVFLST2XTD-XX-EU-XR-HQ1(CF)

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)	Strip Input voltage
HVFLST2WTD-05-EU-HR-HQ1(CF)	80	82	96	8.5	9.4	Warm White	2600-2900K	800	AC 230V
HVFLST2WTD-05-EU-HR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	850	
HVFLST2NTD-05-EU-HR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	880	
HVFLST2STD-05-EU-HR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	880	
HVFLST2WTD-05-EU-UR-HQ1(CF)	90	90	100	8.5	9.4	Warm White	2600-2900K	660	AC 230V
HVFLST2WTD-05-EU-UR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	680	
HVFLST2NTD-05-EU-UR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	710	
HVFLST2STD-05-EU-UR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	750	
HVFLST2WTD-10-EU-HR-HQ1(CF)	80	82	96	8.5	9.4	Warm White	2600-2900K	800	AC 230V
HVFLST2WTD-10-EU-HR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	850	
HVFLST2NTD-10-EU-HR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	880	
HVFLST2STD-10-EU-HR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	880	
HVFLST2WTD-10-EU-UR-HQ1(CF)	90	90	100	8.5	9.4	Warm White	2600-2900K	660	AC 230V
HVFLST2WTD-10-EU-UR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	680	
HVFLST2NTD-10-EU-UR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	710	
HVFLST2STD-10-EU-UR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	750	
HVFLST2WTD-20-EU-HR-HQ1(CF)	80	82	96	8.5	9.4	Warm White	2600-2900K	800	AC 230V
HVFLST2WTD-20-EU-HR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	850	
HVFLST2NTD-20-EU-HR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	880	
HVFLST2STD-20-EU-HR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	880	
HVFLST2WTD-20-EU-UR-HQ1(CF)	90	90	100	8.5	9.4	Warm White	2600-2900K	660	AC 230V
HVFLST2WTD-20-EU-UR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	680	
HVFLST2NTD-20-EU-UR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	710	
HVFLST2STD-20-EU-UR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	750	
HVFLST2WTD-25-EU-HR-HQ1(CF)	80	82	96	8.5	9.4	Warm White	2600-2900K	800	AC 230V
HVFLST2WTD-25-EU-HR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	850	
HVFLST2NTD-25-EU-HR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	880	
HVFLST2STD-25-EU-HR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	880	
HVFLST2WTD-25-EU-UR-HQ1(CF)	90	90	100	8.5	9.4	Warm White	2600-2900K	660	AC 230V
HVFLST2WTD-25-EU-UR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	680	
HVFLST2NTD-25-EU-UR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	710	
HVFLST2STD-25-EU-UR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	750	
HVFLST2WTD-30-EU-HR-HQ1(CF)	80	82	96	8.5	9.4	Warm White	2600-2900K	800	AC 230V
HVFLST2WTD-30-EU-HR-HQ1(CF)				8.5	9.4	Warm White	2900-3200K	850	
HVFLST2NTD-30-EU-HR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	880	
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HVFLST2NTD-30-EU-UR-HQ1(CF)				8.5	9.4	Natural White	3700-4250K	710	
HVFLST2STD-30-EU-UR-HQ1(CF)				8.5	9.4	Standard White	5700-6500K	750	

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 methods of parameter:
- Test while turning on.
Test 1m strip in the integrating sphere under the condition of input AC230V voltage

Test condition of above technical data:

- Surrounding temperature: 26 °C.
- The above parameters are data of internal power supply

HVFLST2XTD-XX-EU-XR-HQ1-EP(CF)

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	Strip Input voltage
HVFLST2WTD-05-EU-HR-HQ1-EP(CF)	80	82	96	8.6	9.46	Warm White	2700K	820	95	F	AC 230V
HVFLST2WTD-05-EU-HR-HQ1-EP(CF)						Warm White	3000K	860	100	F	
HVFLST2NTD-05-EU-HR-HQ1-EP(CF)						Natural White	4000K	900	105	F	
HVFLST2STD-05-EU-HR-HQ1-EP(CF)						Standard White	6000K	900	105	F	
HVFLST2WTD-05-EU-UR-HQ1-EP(CF)	90	90	100	8.6	9.46	Warm White	2700K	670	78	G	AC 230V
HVFLST2WTD-05-EU-UR-HQ1-EP(CF)						Warm White	3000K	700	88	G	
HVFLST2NTD-05-EU-UR-HQ1-EP(CF)						Natural White	4000K	730	93	G	
HVFLST2STD-05-EU-UR-HQ1-EP(CF)						Standard White	6000K	770	93	F	
HVFLST2WTD-10-EU-HR-HQ1-EP(CF)	80	82	96	8.6	9.46	Warm White	2700K	820	95	F	AC 230V
HVFLST2WTD-10-EU-HR-HQ1-EP(CF)						Warm White	3000K	860	100	F	
HVFLST2NTD-10-EU-HR-HQ1-EP(CF)						Natural White	4000K	900	105	F	
HVFLST2STD-10-EU-HR-HQ1-EP(CF)						Standard White	6000K	900	105	F	
HVFLST2WTD-10-EU-UR-HQ1-EP(CF)	90	90	100	8.6	9.46	Warm White	2700K	670	78	G	AC 230V
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HVFLST2NTD-10-EU-UR-HQ1-EP(CF)						Natural White	4000K	730	93	G	
HVFLST2STD-10-EU-UR-HQ1-EP(CF)						Standard White	6000K	770	93	F	
HVFLST2WTD-20-EU-HR-HQ1-EP(CF)	80	82	96	8.6	9.46	Warm White	2700K	820	95	F	AC 230V
HVFLST2WTD-20-EU-HR-HQ1-EP(CF)						Warm White	3000K	860	100	F	
HVFLST2NTD-20-EU-HR-HQ1-EP(CF)						Natural White	4000K	900	105	F	
HVFLST2STD-20-EU-HR-HQ1-EP(CF)						Standard White	6000K	900	105	F	
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HVFLST2NTD-20-EU-UR-HQ1-EP(CF)						Natural White	4000K	730	93	G	
HVFLST2STD-20-EU-UR-HQ1-EP(CF)						Standard White	6000K	770	93	F	
HVFLST2WTD-25-EU-HR-HQ1-EP(CF)	80	82	96	8.6	9.46	Warm White	2700K	820	95	F	AC 230V
HVFLST2WTD-25-EU-HR-HQ1-EP(CF)						Warm White	3000K	860	100	F	
HVFLST2NTD-25-EU-HR-HQ1-EP(CF)						Natural White	4000K	900	105	F	
HVFLST2STD-25-EU-HR-HQ1-EP(CF)						Standard White	6000K	900	105	F	
HVFLST2WTD-25-EU-UR-HQ1-EP(CF)	90	90	100	8.6	9.46	Warm White	2700K	670	78	G	AC 230V
HVFLST2WTD-25-EU-UR-HQ1-EP(CF)						Warm White	3000K	700	88	G	
HVFLST2NTD-25-EU-UR-HQ1-EP(CF)						Natural White	4000K	730	93	G	
HVFLST2STD-25-EU-UR-HQ1-EP(CF)						Standard White	6000K	770	93	F	
HVFLST2WTD-30-EU-HR-HQ1-EP(CF)	80	82	96	8.6	9.46	Warm White	2700K	820	95	F	AC 230V
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HVFLST2NTD-30-EU-UR-HQ1-EP(CF)						Natural White	4000K	730	93	G	
HVFLST2STD-30-EU-UR-HQ1-EP(CF)						Standard White	6000K	770	93	F	

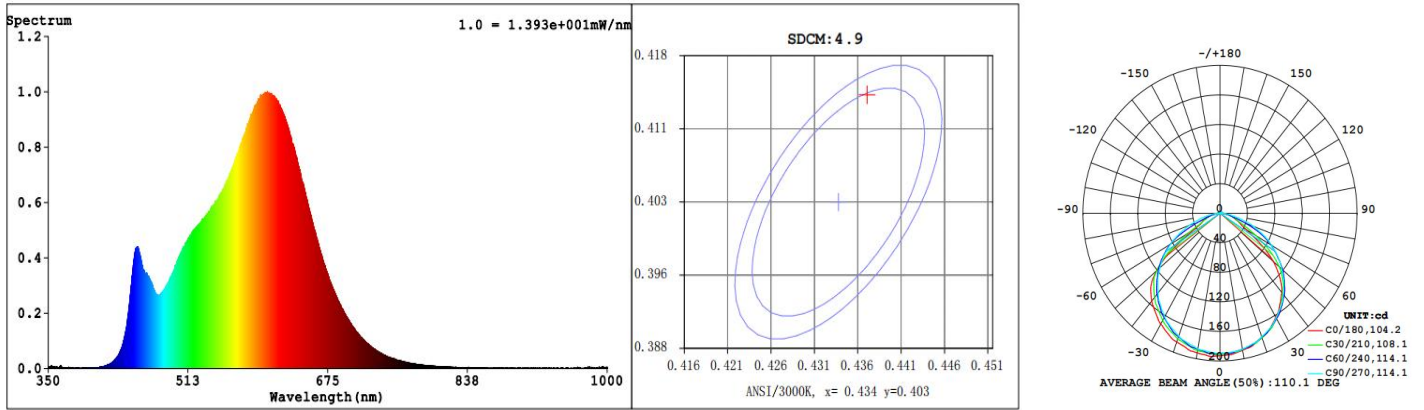
Remarks:

- *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 methods of parameter:
- Test after 10 mins turned on.
- Test 1m strip in the integrating sphere under the condition of input AC230V voltage
- Test condition of above technical data:
- Surrounding temperature: 26 °C.
- The above parameters are data of internal power supply

ErP Note:

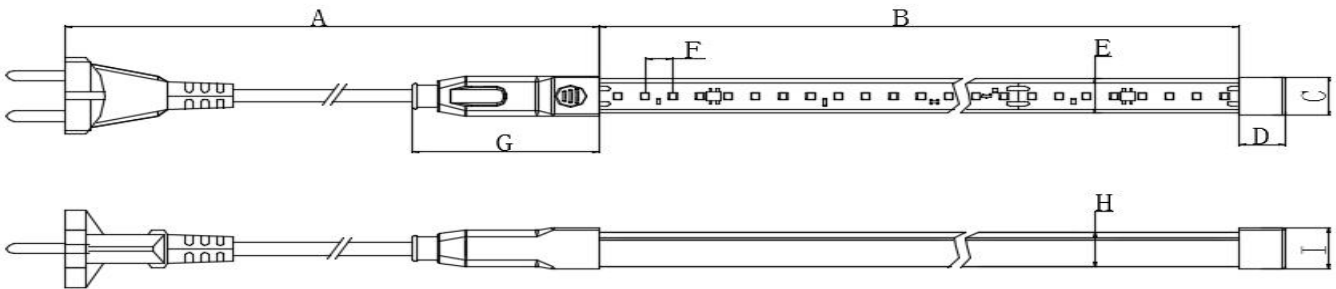
- According to the new ErP 2019/2020 regulation for each 0.5m or nearest 0.5m strip, the following requirements must be met:
- Measured power $\leq P_{on} + 5\%$;
- Measured lumen \geq Useful luminous flux -10% ;
- Measured CRI \geq Declared CRI-2
- The above technical data, including typical power are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

Optical Test Diagram





Dimension Drawing

Dimension Drawing of 5/10/20/25/30M high voltage LED strip

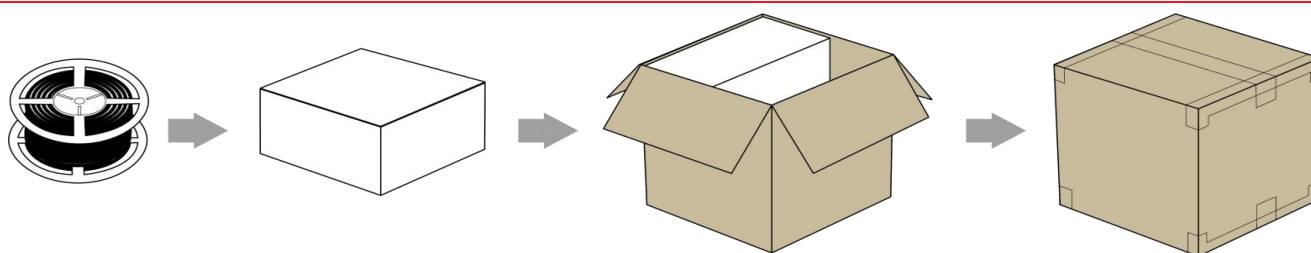


	A	B	C	D	E	F	G	H	I
5m	1000 ± 20mm	5000 ± 30mm	19 ± 0.5mm	15 ± 0.5mm	16 ± 0.5mm	8.92 ± 0.2mm	60 ± 1mm	16 ± 0.5mm	19 ± 0.5mm
	39.37 ± 0.787in	196.85 ± 1.18in	0.748 ± 0.0197in	0.59 ± 0.019in	0.629 ± 0.019in	0.351 ± 0.007in	2.362 ± 0.039in	0.629 ± 0.019in	0.748 ± 0.0197in
10m	1000 ± 20mm	10000 ± 50mm	19 ± 0.5mm	15 ± 0.5mm	16 ± 0.5mm	8.92 ± 0.2mm	60 ± 1mm	16 ± 0.5mm	19 ± 0.5mm
	39.37 ± 0.787in	393.7 ± 1.96in	0.748 ± 0.0197in	0.59 ± 0.019in	0.629 ± 0.019in	0.351 ± 0.007in	2.362 ± 0.039in	0.629 ± 0.019in	0.748 ± 0.0197in
20m	1000 ± 20mm	20000 ± 50mm	19 ± 0.5mm	15 ± 0.5mm	16 ± 0.5mm	8.92 ± 0.2mm	60 ± 1mm	16 ± 0.5mm	19 ± 0.5mm
	39.37 ± 0.787in	787.4 ± 1.96in	0.748 ± 0.0197in	0.59 ± 0.019in	0.629 ± 0.019in	0.351 ± 0.007in	2.362 ± 0.039in	0.629 ± 0.019in	0.748 ± 0.0197in
25m	1000 ± 20mm	25000 ± 50mm	19 ± 0.5mm	15 ± 0.5mm	16 ± 0.5mm	8.92 ± 0.2mm	60 ± 1mm	16 ± 0.5mm	19 ± 0.5mm
	39.37 ± 0.787in	984.25 ± 1.96in	0.748 ± 0.0197in	0.59 ± 0.019in	0.629 ± 0.019in	0.351 ± 0.007in	2.362 ± 0.039in	0.629 ± 0.019in	0.748 ± 0.0197in
30m	1000 ± 20mm	30000 ± 100mm	19 ± 0.5mm	15 ± 0.5mm	16 ± 0.5mm	8.92 ± 0.2mm	60 ± 1mm	16 ± 0.5mm	19 ± 0.5mm
	39.37 ± 0.787in	1181.1 ± 3.93in	0.748 ± 0.0197in	0.59 ± 0.019in	0.629 ± 0.019in	0.351 ± 0.007in	2.362 ± 0.039in	0.629 ± 0.019in	0.748 ± 0.0197in

Optional Accessories

Category	Picture	Material Code	Description
Aluminium Profile		WW-AP1917-100	Aluminum Profile: L1000*W19*H17mm
Aluminium Profile		WW-AP1917-0025	Aluminum Profile: L25*W19*H17mm

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	470*440*0.14mm	/	/	440*400*260mm	10	12KG ±10%	14.2KG ±10%	0.046m ³
	18.5*17.32*0.0055in	/	/	17.32*15.74*10.23in	10	26.45 Lbs ±10%	31.3Lbs ±10%	1.616ft ³
10m	330*110mm	345*330*122mm	1	362*265*350mm	2	4.6/KG ±10%	6.28KG ±10%	0.0335m ³
	12.99*4.33in	13.58*12.99*4.8in	1	14.25*10.43*13.78in	2	10.14 Lbs ±10%	13.84Lbs ±10%	1.185ft ³
20m	330*110mm	345*330*122mm	1	362*265*350mm	2	8.8KG ±10%	10.48KG ±10%	0.0335m ³
	12.99*4.33in	13.58*12.99*4.8in	1	14.25*10.43*13.78in	2	19.39 Lbs ±10%	23.1Lbs ±10%	1.185ft ³
25m	330*200mm	/	/	370*370*250mm	1	5.6KG ±10%	6.96KG ±10%	0.034m ³
	12.99*7.87in	/	/	14.56*14.56*9.84in	1	12.34 Lbs ±10%	15.34Lbs ±10%	1.2006ft ³
30m	330*200mm	/	/	370*370*250mm	1	6.7KG ±10%	8.06KG ±10%	0.034m ³
	12.99*7.87in	/	/	14.56*14.56*9.84in	1	14.77 Lbs ±10%	17.76Lbs ±10%	1.2006ft ³

 **Cautions**



Do not pull and crash



Connected to power supply every 30 meters



The minimum bending diameter > 150mm



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.