

Product Specification

Flexible LED Strip DC 240V LED HV Strip

2835 DC240V 112LEDs/M IP65

HVFLST2XFR-XX-EU-XR-HQ

&

HVFLST2XFR-XX-EU-XR-HQ-EP

Power Supply : HVFLST2-FEC(EU)-XX

Apply to ErP Regulation (EU) 2019/2020



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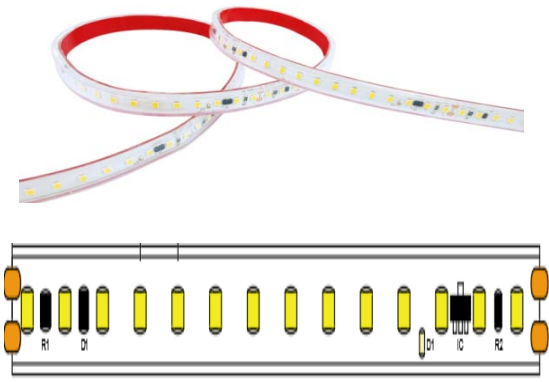
Tel : (852) 3152 3059 (10 lines)


Fax : (852) 3152 3039




Tel : (86) 755 8601 9190

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<p>Product Features</p> <ul style="list-style-type: none"> • High quality FPC, authentic 3M tape; • Self-encapsulated design 2835 LED; • Light source lifetime:50K hours(L70); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: Φ60mm • Max. length(M): 50M 	
<p>Technology info</p> <ul style="list-style-type: none"> • Lighting Technology: LED • DLS or NDLS: NDLS • MLS or NMLS: NMLS 	<p>Certification Standards</p> <ul style="list-style-type: none"> • EN55015:2013+A1 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008

<p>Non-ErP Waterpro of Type</p>	
	<p>Naked Strip</p>
	<p>3 Years Warranty</p>

<p>ErP Waterpro of Type</p>	
	<p>Naked Strip</p>
	<p>3 Years Warranty</p>

HVFLST2XFR-XX-EU-XR-HQ

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
HVFLST2WFR-05-EU-HR-HQ	80	82	96	16.8	18.48	Warm White	2700K	/	2360	DC 240V
HVFLST2WFR-05-EU-HR-HQ				16.8	18.48	Warm White	3000K	/	2400	
HVFLST2NFR-05-EU-HR-HQ				16.8	18.48	Natural White	4000K	/	2600	
HVFLST2SFR-05-EU-HR-HQ				16.8	18.48	Standard White	6000K	/	2560	
HVFLST2WFR-05-EU-UR-HQ	90	92	100	16.8	18.48	Warm White	2700K	/	1920	DC 240V
HVFLST2WFR-05-EU-UR-HQ				16.8	18.48	Warm White	3000K	/	2000	
HVFLST2NFR-05-EU-UR-HQ				16.8	18.48	Natural White	4000K	/	2160	
HVFLST2SFR-05-EU-UR-HQ				16.8	18.48	Standard White	6000K	/	2240	
HVFLST2WFR-20-EU-HR-HQ	80	82	96	16.8	18.48	Warm White	2700K	/	2360	DC 240V
HVFLST2WFR-20-EU-HR-HQ				16.8	18.48	Warm White	3000K	/	2400	
HVFLST2NFR-20-EU-HR-HQ				16.8	18.48	Natural White	4000K	/	2600	
HVFLST2SFR-20-EU-HR-HQ				16.8	18.48	Standard White	6000K	/	2560	
HVFLST2WFR-20-EU-UR-HQ	90	92	100	16.8	18.48	Warm White	2700K	/	1920	DC 240V
HVFLST2WFR-20-EU-UR-HQ				16.8	18.48	Warm White	3000K	/	2000	
HVFLST2NFR-20-EU-UR-HQ				16.8	18.48	Natural White	4000K	/	2160	
HVFLST2SFR-20-EU-UR-HQ				16.8	18.48	Standard White	6000K	/	2240	
HVFLST2WFR-50-EU-HR-HQ	80	82	96	16.8	18.48	Warm White	2700K	/	2360	DC 240V
HVFLST2WFR-50-EU-HR-HQ				16.8	18.48	Warm White	3000K	/	2400	
HVFLST2NFR-50-EU-HR-HQ				16.8	18.48	Natural White	4000K	/	2600	
HVFLST2SFR-50-EU-HR-HQ				16.8	18.48	Standard White	6000K	/	2560	
HVFLST2WFR-50-EU-UR-HQ	90	92	100	16.8	18.48	Warm White	2700K	/	1920	DC 240V
HVFLST2WFR-50-EU-UR-HQ				16.8	18.48	Warm White	3000K	/	2000	
HVFLST2WFR-50-EU-UR-HQ				16.8	18.48	Natural White	4000K	/	2160	
HVFLST2SFR-50-EU-UR-HQ				16.8	18.48	Standard White	6000K	/	2240	

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°C.
- Test while turning on.
- The above technical data, including typical power are based on the test of 0.5m.

HVFLST2XFR-XX-EU-XR-HQ-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
HVFLST2WFR-05-EU-HR-HQ-EP	80	82	96	16.94	18.63	Warm White	2700K	2523	149	D	DC 240V
HVFLST2WFR-05-EU-HR-HQ-EP				16.94	18.63	Warm White	3000K	2533	150	D	
HVFLST2NFR-05-EU-HR-HQ-EP				16.94	18.63	Natural White	4000K	2770	164	C	
HVFLST2SFR-05-EU-HR-HQ-EP				16.94	18.63	Standard White	6000K	2727	161	C	
HVFLST2WFR-05-EU-UR-HQ-EP	90	90	100	16.94	18.63	Warm White	2700K	2037	120	E	DC 240V
HVFLST2WFR-05-EU-UR-HQ-EP				16.94	18.63	Warm White	3000K	2059	122	E	
HVFLST2NFR-05-EU-UR-HQ-EP				16.94	18.63	Natural White	4000K	2275	134	E	
HVFLST2NFR-05-EU-UR-HQ-EP				16.94	18.63	Standard White	6000K	2372	140	D	
HVFLST2WFR-20-EU-HR-HQ-EP	80	82	96	16.94	18.63	Warm White	2700K	2523	149	D	DC 240V
HVFLST2WFR-20-EU-HR-HQ-EP				16.94	18.63	Warm White	3000K	2533	150	D	
HVFLST2NFR-20-EU-HR-HQ-EP				16.94	18.63	Natural White	4000K	2770	164	C	
HVFLST2NFR-20-EU-HR-HQ-EP				16.94	18.63	Standard White	6000K	2727	161	C	
HVFLST2WFR-20-EU-UR-HQ-EP	90	90	100	16.94	18.63	Warm White	2700K	2037	120	E	DC 240V
HVFLST2WFR-20-EU-UR-HQ-EP				16.94	18.63	Warm White	3000K	2059	122	E	
HVFLST2WFR-20-EU-UR-HQ-EP				16.94	18.63	Natural White	4000K	2275	134	E	
HVFLST2SFR-20-EU-UR-HQ-EP				16.94	18.63	Standard White	6000K	2372	140	D	
HVFLST2WFR-50-EU-HR-HQ-EP	80	82	96	16.94	18.63	Warm White	2700K	2523	149	D	DC 240V
HVFLST2WFR-50-EU-HR-HQ-EP				16.94	18.63	Warm White	3000K	2533	150	D	
HVFLST2NFR-50-EU-HR-HQ-EP				16.94	18.63	Natural White	4000K	2770	164	C	
HVFLST2SFR-50-EU-HR-HQ-EP				16.94	18.63	Standard White	6000K	2727	161	C	
HVFLST2WFR-50-EU-UR-HQ-EP	80	82	96	16.94	18.63	Warm White	2700K	2037	120	E	DC 240V
HVFLST2WFR-50-EU-UR-HQ-EP				16.94	18.63	Warm White	3000K	2059	122	E	
HVFLST2NFR-50-EU-UR-HQ-EP				16.94	18.63	Natural White	4000K	2275	134	E	
HVFLST2SFR-50-EU-UR-HQ-EP				16.94	18.63	Standard White	6000K	2372	140	D	

Remarks:

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

Test condition of above technical data:

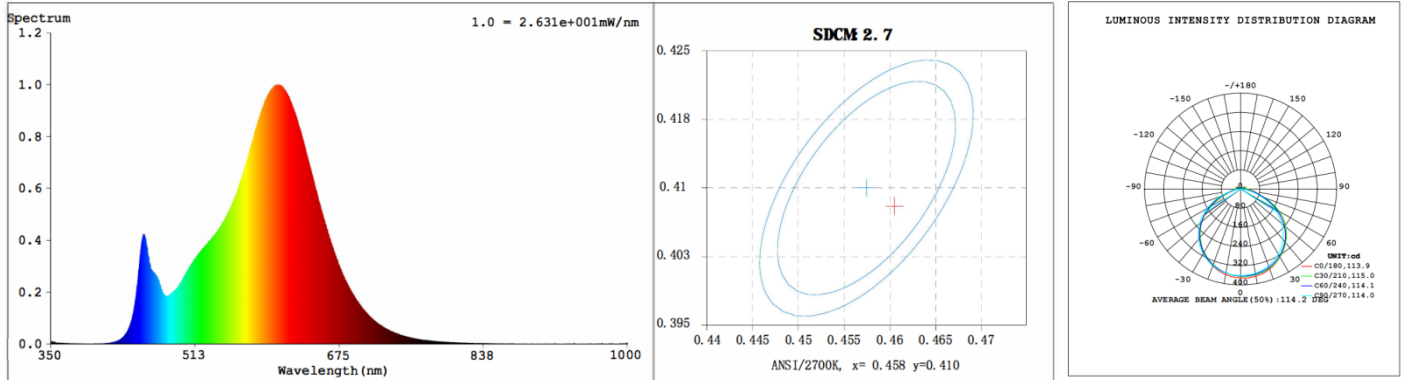
- Surrounding temperature: 26 °C.
- Test after 10 mins turned on.

ErP Note:

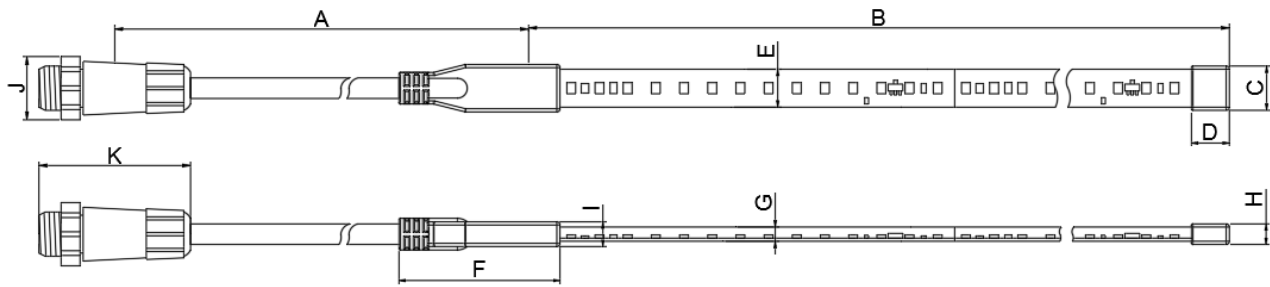
- According to the new ErP 2019/2020 regulation for each 0.5m or nearest 0.5m strip, the following requirements must be met:
 - Measured power \leq Pon +5% ;
 - Measured lumen \geq Useful luminous flux -10%;
 - Measured CRI \geq Declared CRI-2
- The above technical data, including typical power are based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

Optical Test Diagram

Spectrum



Dimension Drawing



5M

A	B	C	D	E	F	G	H	I	J	K	L
1500±20mm	5000±30mm	14±0.5mm	12±0.5mm	12±0.5mm	51±1mm	46±0.3mm	6.5±0.5mm	7.8±0.5mm	20±0.5mm	47±1mm	1500±20mm
59.05±0.787in	196.85±1.181in	0.551±0.019in	0.472±0.019in	0.472±0.019in	2.007±0.039in	1.81±0.011in	0.255±0.019in	0.307±0.019in	0.787±0.019in	1.85±0.039in	59.05±0.787in

20M

A	B	C	D	E	F	G	H	I	J	K	L
1500±20mm	20,000±50mm	14±0.5mm	12±0.5mm	12±0.5mm	51±1mm	46±0.3mm	6.5±0.5mm	7.8±0.5mm	20±0.5mm	47±1mm	1500±20mm
59.05±0.787in	787.4±1.9681in	0.551±0.019in	0.472±0.019in	0.472±0.019in	2.007±0.039in	1.81±0.011in	0.255±0.019in	0.307±0.019in	0.787±0.019in	1.85±0.039in	59.05±0.787in

50M

A	B	C	D	E	F	G	H	I	J	K	L
1500±20mm	50,000±50mm	14±0.5mm	12±0.5mm	12±0.5mm	51±1mm	46±0.3mm	6.5±0.5mm	7.8±0.5mm	20±0.5mm	47±1mm	1500±20mm
59.05±0.787in	1968.5±1.9681in	0.551±0.019in	0.472±0.019in	0.472±0.019in	2.007±0.039in	1.81±0.011in	0.255±0.019in	0.307±0.019in	0.787±0.019in	1.85±0.039in	59.05±0.787in

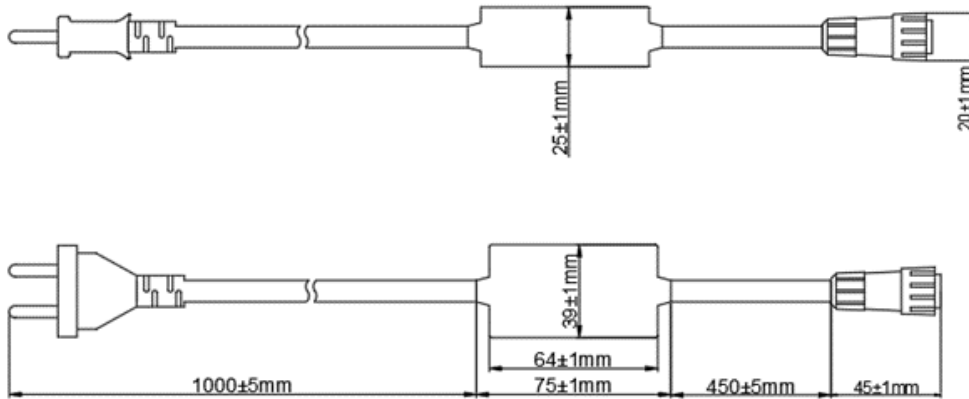
Remarks:

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

Power supply specification

Power Supply : HVFLST2-FEC(EU)-XX	
Input: <ul style="list-style-type: none"> • Input voltage: AC 220-240V • Input Current: 3A Max. • Frequency: 50Hz • P no: <0.5W 	Output: <ul style="list-style-type: none"> • Output voltage: DC220-240V • Output Current: 3A Max. • Output Power: 700W

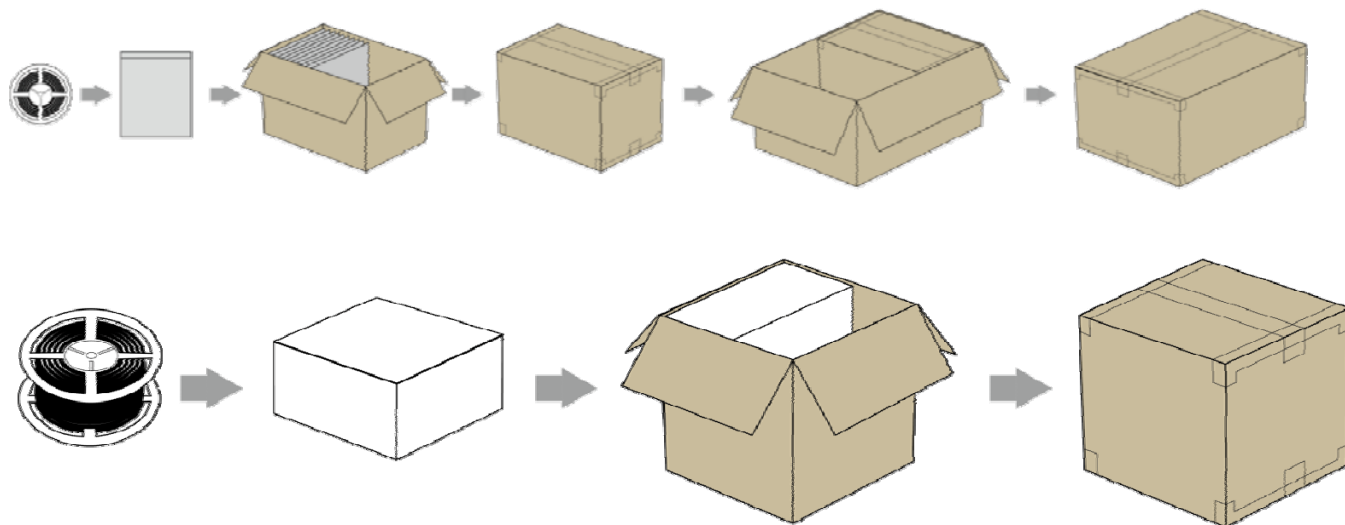
Power supply Dimension Drawing



Standard Accessories

Category	Picture	Material Code	Description
buckle		WW-FLS102JJA-MC	Fixing clip set (screws)

Packaging Diagram













Packaging Information



Length	Bag size	Inner carton		Outer carton		N.W	G.W	Outer carton volume
		Size	Reel/ctn	Size	Reel/ctn			
5m	220*16mm	350*250*280mm	12	520*370*300mm	24	12.48KG±10%	15.83KG ±10%	0.0577m ³
	8.66*0.62in	13.77*9.84*11.02in	12	20.47*14.56*11.81in	24	27.49Lbs ±10%	34.87Lbs ±10%	2.037ft ³
20m	330*50mm	345*330*61mm	1	362*265*350mm	4	6.12KG ±10%	8.945KG ±10%	0.0335m ³
	12.99*1.96in	13.58*12.99*2.4in	1	14.25*10.43*13.77in	4	13.48Lbs ±10%	19.70Lbs ±10%	1.185ft ³
50m	330*110mm	345*330*122mm	1	362*265*350mm	2	6.72KG ±10%	8.865KG ±10%	0.0335m ³
	12.99*4.33in	13.58*12.99*4.8in	1	14.25*10.43*13.77in	2	14.80Lbs ±10%	19.53Lbs ±10%	1.185ft ³

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 minimum 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.