

Product Specification

SMD HV Strip

Pro SCOB AC230V 320 LEDs/M Single color flicker-free interal

HVFLST6XLD-XX-EU-HR-EP(BF)
&
HVFLST6XLD-XX-EU-HR(BF)

Apply to ERP Regulation (EU) 2019/2020



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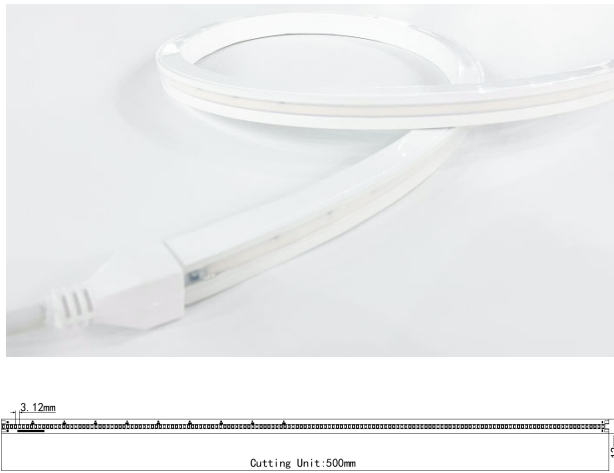
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<p>Product Features</p> <ul style="list-style-type: none"> • Self-encapsulated design 2025 LED; • Light source lifetime:30K hours(L70); • Meet (EU)2019/2020 ErP regulations. • Min. Bending Diameter: Φ150mm • Max. length(M): 30M 	
<p>Technology info</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>	 <p>D 65</p> <p>3 Years Warranty</p>
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<p>ErP Waterpro of Type</p>	 <p>D 65</p> <p>3 Years Warranty</p>
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HVFLST6XLD-XX-EU-HR(BF)
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
HVFLST6WLD-05-EU-HR(BF)	80	82	96	9.4	10.34	Warm White	2600-2900K	820	AC 230V
HVFLST6WLD-05-EU-HR(BF)				9.4	10.34	Warm White	2900-3200K	830	
HVFLST6NLD-05-EU-HR(BF)				9.4	10.34	Natural White	3700-4250K	840	
HVFLST6SLD-05-EU-HR(BF)				9.4	10.34	Standard White	5300-6000K	840	
HVFLST6WLD-10-EU-HR(BF)	80	82	96	9.4	10.34	Warm White	2600-2900K	820	AC 230V
HVFLST6WLD-10-EU-HR(BF)				9.4	10.34	Warm White	2900-3200K	830	
HVFLST6NLD-10-EU-HR(BF)				9.4	10.34	Natural White	3700-4250K	840	
HVFLST6SLD-10-EU-HR(BF)				9.4	10.34	Standard White	5300-6000K	840	
HVFLST6WLD-20-EU-HR(BF)	80	82	96	9.4	10.34	Warm White	2600-2900K	820	AC 230V
HVFLST6WLD-20-EU-HR(BF)				9.4	10.34	Warm White	2900-3200K	830	
HVFLST6NLD-20-EU-HR(BF)				9.4	10.34	Natural White	3700-4250K	840	
HVFLST6SLD-20-EU-HR(BF)				9.4	10.34	Standard White	5300-6000K	840	
HVFLST6WLD-25-EU-HR(BF)	80	82	96	9.4	10.34	Warm White	2600-2900K	820	AC 230V
HVFLST6WLD-25-EU-HR(BF)				9.4	10.34	Warm White	2900-3200K	830	
HVFLST6NLD-25-EU-HR(BF)				9.4	10.34	Natural White	3700-4250K	840	
HVFLST6SLD-25-EU-HR(BF)				9.4	10.34	Standard White	5300-6000K	840	
HVFLST6WLD-30-EU-HR(BF)	80	82	96	9.4	10.34	Warm White	2600-2900K	820	AC 230V
HVFLST6WLD-30-EU-HR(BF)				9.4	10.34	Warm White	2900-3200K	830	
HVFLST6NLD-30-EU-HR(BF)				9.4	10.34	Natural White	3700-4250K	840	
HVFLST6SLD-30-EU-HR(BF)				9.4	10.34	Standard White	5300-6000K	840	

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 ℃.
- The above parameters are data of internal power supply

HVFLST6XLD-XX-EU-HR-EP(BF)

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
HVFLST6WLD-05-EU-HR-EP(BF)	80	82	96	10	11	Warm White	2700K	846	85	G	AC 230V
HVFLST6WLD-05-EU-HR-EP(BF)						Warm White	3000K	856	86	F	
HVFLST6NLD-05-EU-HR-EP(BF)						Natural White	4000K	868	87	F	
HVFLST6SLD-05-EU-HR-EP(BF)						Standard White	6000K	868	87	F	
HVFLST6WLD-10-EU-HR-EP(BF)	80	82	96	10	11	Warm White	2700K	846	85	G	AC 230V
HVFLST6WLD-10-EU-HR-EP(BF)						Warm White	3000K	856	86	F	
HVFLST6NLD-10-EU-HR-EP(BF)						Natural White	4000K	868	87	F	
HVFLST6SLD-10-EU-HR-EP(BF)						Standard White	6000K	868	87	F	
HVFLST6WLD-20-EU-HR-EP(BF)	80	82	96	10	11	Warm White	2700K	846	85	G	AC 230V
HVFLST6WLD-20-EU-HR-EP(BF)						Warm White	3000K	856	86	F	
HVFLST6NLD-20-EU-HR-EP(BF)						Natural White	4000K	868	87	F	
HVFLST6SLD-20-EU-HR-EP(BF)						Standard White	6000K	868	87	F	
HVFLST6WLD-25-EU-HR-EP(BF)	80	82	96	10	11	Warm White	2700K	846	85	G	AC 230V
HVFLST6WLD-25-EU-HR-EP(BF)						Warm White	3000K	856	86	F	
HVFLST6NLD-25-EU-HR-EP(BF)						Natural White	4000K	868	87	F	
HVFLST6SLD-25-EU-HR-EP(BF)						Standard White	6000K	868	87	F	
HVFLST6WLD-30-EU-HR-EP(BF)	80	82	96	10	11	Warm White	2700K	846	85	G	AC 230V
HVFLST6WLD-30-EU-HR-EP(BF)						Warm White	3000K	856	86	F	
HVFLST6NLD-30-EU-HR-EP(BF)						Natural White	4000K	868	87	F	
HVFLST6SLD-30-EU-HR-EP(BF)						Standard White	6000K	868	87	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

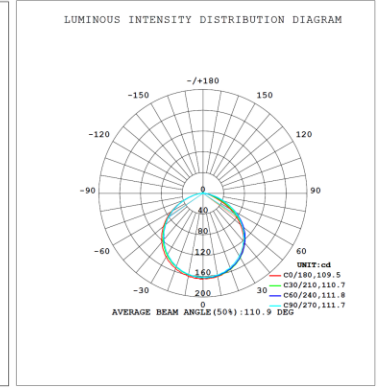
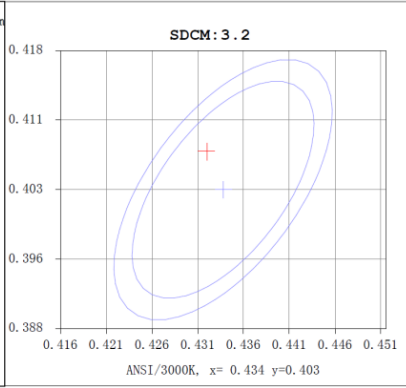
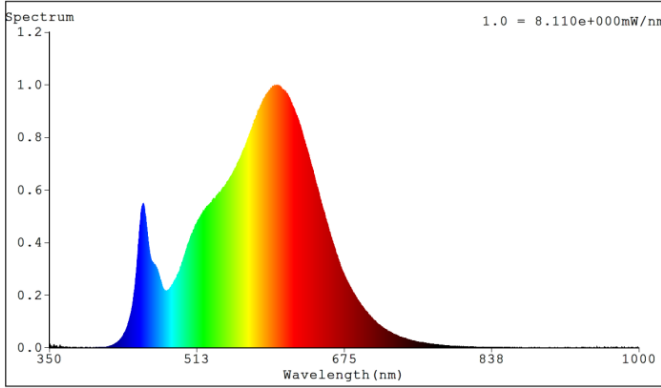
Test condition of above technical data:

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

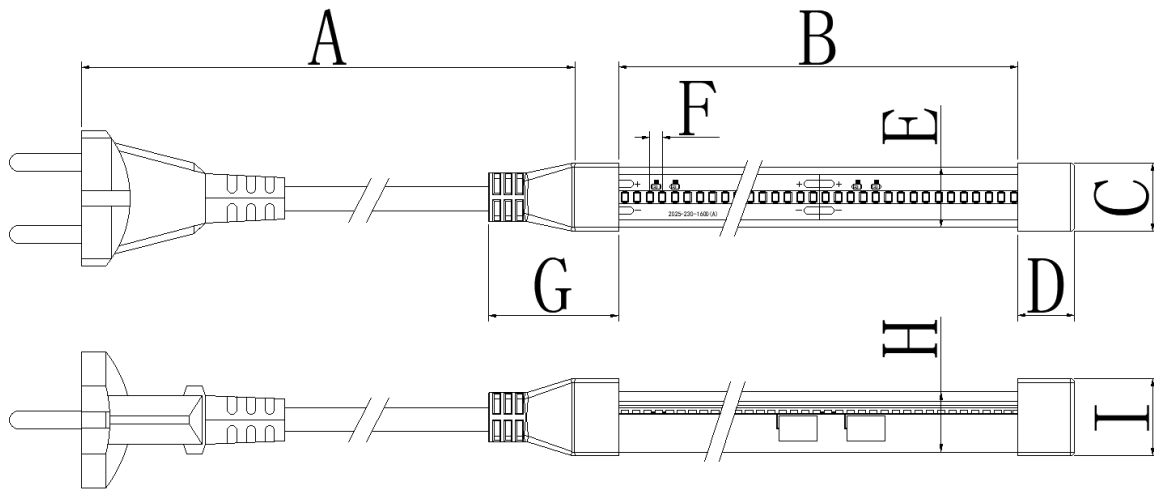
ErP Note:

- 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



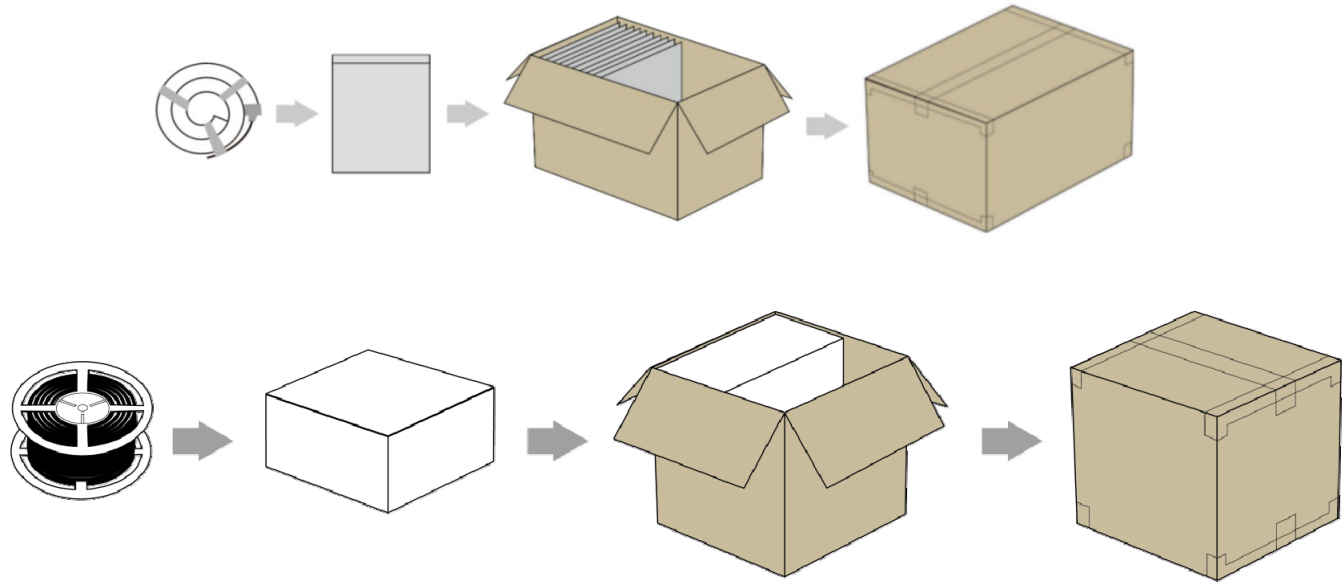
5M								
A	B	C	D	E	F	G	H	I
1000±20mm	5000±30mm	18±0.5mm	15±0.5mm	16±0.5mm	3.12±0.5mm	34.5±1mm	16±0.5mm	20.5±0.5mm
39.37±0.787in	196.85±1.181in	0.708±0.019in	0.59±0.019in	0.629±0.019in	0.123±0.019in	1.358±0.039in	0.629±0.019in	0.807±0.019in
10M								
A	B	C	D	E	F	G	H	I
1000±20mm	10000±30mm	18±0.5mm	15±0.5mm	16±0.5mm	3.12±0.5mm	34.5±1mm	16±0.5mm	20.5±0.5mm
39.37±0.787in	393.7±1.181in	0.708±0.019in	0.59±0.019in	0.629±0.019in	0.123±0.019in	1.358±0.039in	0.629±0.019in	0.807±0.019in
20M								
A	B	C	D	E	F	G	H	I
1000±20mm	20000±30mm	18±0.5mm	15±0.5mm	16±0.5mm	3.12±0.5mm	34.5±1mm	16±0.5mm	20.5±0.5mm
39.37±0.787in	787.4±1.181in	0.708±0.019in	0.59±0.019in	0.629±0.019in	0.123±0.019in	1.358±0.039in	0.629±0.019in	0.807±0.019in
25M								
A	B	C	D	E	F	G	H	I
1000±20mm	25000±30mm	18±0.5mm	15±0.5mm	16±0.5mm	3.12±0.5mm	34.5±1mm	16±0.5mm	20.5±0.5mm
39.37±0.787in	984.25±1.181in	0.708±0.019in	0.59±0.019in	0.629±0.019in	0.123±0.019in	1.358±0.039in	0.629±0.019in	0.807±0.019in
30M								
A	B	C	D	E	F	G	H	I
1000±20mm	30000±30mm	18±0.5mm	15±0.5mm	16±0.5mm	3.12±0.5mm	34.5±1mm	16±0.5mm	20.5±0.5mm
39.37±0.787in	1181.1±1.181in	0.708±0.019in	0.59±0.019in	0.629±0.019in	0.123±0.019in	1.358±0.039in	0.629±0.019in	0.807±0.019in

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

Optional Accessories

Category	Picture	Part No.	Description
Aluminium Profile		WW-AP1917-100	Aluminum Profile: L1000*W19*H17mm
Aluminium clip		WW-AP1917-0025	Aluminium clip: L25*W19*H17mm
LED Dimmer Switch		WW-FSC-LRTHV600-DIM-1CH-A0	SIZE:85*85*45mm(L*W*H) Dimming range: 0-100%
LED Dimmer Switch		WW-FSC-LRTHV250-DIM-1CH-A2	SIZE:43*45.5*13.8mm(L*W*H) Dimming range: 0-100%
European accessories		HVFLST6-CW-EU	EU Power supply set (Front & end cap, power cord)
European accessories		WW-HFE-FPF29-12	Middle connector supply set (PC cover & connector)
European accessories		WW-HVFLST6-EU-C	EU Power supply set (PC cover & 2Pin, power cord)

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

Remarks :

- Please contact our sales manager for customized package (color box, blister etc.)

 **Cautions**



Do not pull and crush



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 $\pm 5\%$



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



Operating temperature



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.