

Product Specification

High Voltage Flexible LED Strip

Effi-Plus Series

2835 AC120V 84LEDs/M12W IP65

HVFLST2XDE-XX-US-HR-HQ-HE (XX)



HK Office :

Unit 1901, 19th Floor, NanYang Plaza, No. 57 Hung To Road
Kwun Tong, Kowloon, Hong Kong

China Factory :

Zhiyang Science and Technology Park, 10 Zhiyang Road, Zhangge,
Fucheng Street, Longhua District, Shenzhen, Guangdong, China

Tel : (852) 3152 3059 (10 lines)

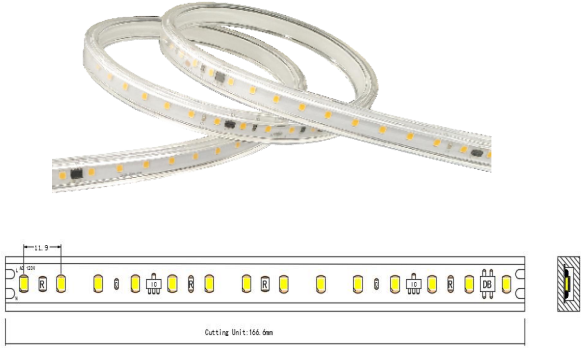
Fax : (852) 3152 3039




Tel : (86) 755 8601 9190



Fax : (86) 755 8601 9197

<p>Product Features</p> <ul style="list-style-type: none"> ● AC 120V integrated bridge rectifier, plug & on; ● Flexible PVC material, electrical insulation; ● Self-encapsulated design offer five optional white light from 2300-6500K; ● Light source lifetime:50K hours(L70); ● Min. Bending Diameter: Φ100mm; ● Max. length(M): 50M; 	
<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"> □ □ EN55015:2013+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>

HVFLST2XDE-XX-US-HR-HQ-HE (XX)

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
HVFLST2WDE-05-US-HR-HQ-HE	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	AC 120V
HVFLST2WDE-05-US-HR-HQ-HE				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-05-US-HR-HQ-HE				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-05-US-HR-HQ-HE				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-05-US-HR-HQ-HE				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-10-US-HR-HQ-HE	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-10-US-HR-HQ-HE				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-10-US-HR-HQ-HE				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-10-US-HR-HQ-HE				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-10-US-HR-HQ-HE				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-20-US-HR-HQ-HE	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-20-US-HR-HQ-HE				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-20-US-HR-HQ-HE				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-20-US-HR-HQ-HE				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-20-US-HR-HQ-HE				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-25-US-HR-HQ-HE	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-25-US-HR-HQ-HE				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-25-US-HR-HQ-HE				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-25-US-HR-HQ-HE				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-25-US-HR-HQ-HE				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-50-US-HR-HQ-HE	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-50-US-HR-HQ-HE				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-50-US-HR-HQ-HE				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-50-US-HR-HQ-HE				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-50-US-HR-HQ-HE				12	13.2	Standard White	5700-6500K	/	1300	

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
HVFLST2WDE-05-US-HR-HQ-HE(ZZ)	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	AC 120V
HVFLST2WDE-05-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-05-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-05-US-HR-HQ-HE(ZZ)				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-05-US-HR-HQ-HE(ZZ)				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-10-US-HR-HQ-HE(ZZ)	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-10-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-10-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-10-US-HR-HQ-HE(ZZ)				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-10-US-HR-HQ-HE(ZZ)				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-20-US-HR-HQ-HE(ZZ)	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-20-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-20-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-20-US-HR-HQ-HE(ZZ)				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-20-US-HR-HQ-HE(ZZ)				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-25-US-HR-HQ-HE(ZZ)	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-25-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-25-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-25-US-HR-HQ-HE(ZZ)				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-25-US-HR-HQ-HE(ZZ)				12	13.2	Standard White	5700-6500K	/	1300	
HVFLST2WDE-50-US-HR-HQ-HE(ZZ)	80	82	96	12	13.2	Warm White	2300-2600K	/	1080	
HVFLST2WDE-50-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2600-2900K	/	1180	
HVFLST2WDE-50-US-HR-HQ-HE(ZZ)				12	13.2	Warm White	2900-3200K	/	1200	
HVFLST2NDE-50-US-HR-HQ-HE(ZZ)				12	13.2	Natural White	3700-4250K	/	1280	
HVFLST2SDE-50-US-HR-HQ-HE(ZZ)				12	13.2	Standard White	5700-6500K	/	1300	

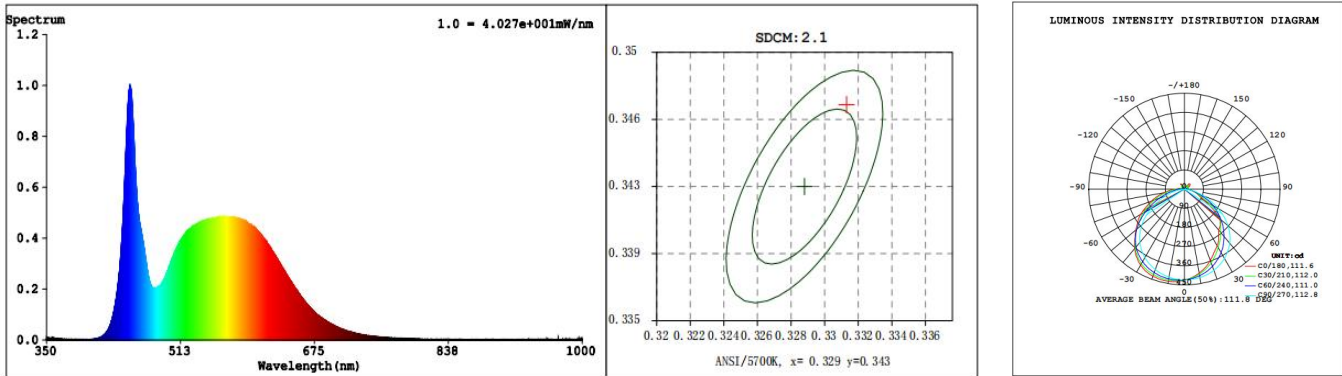
Remarks:

- * 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:

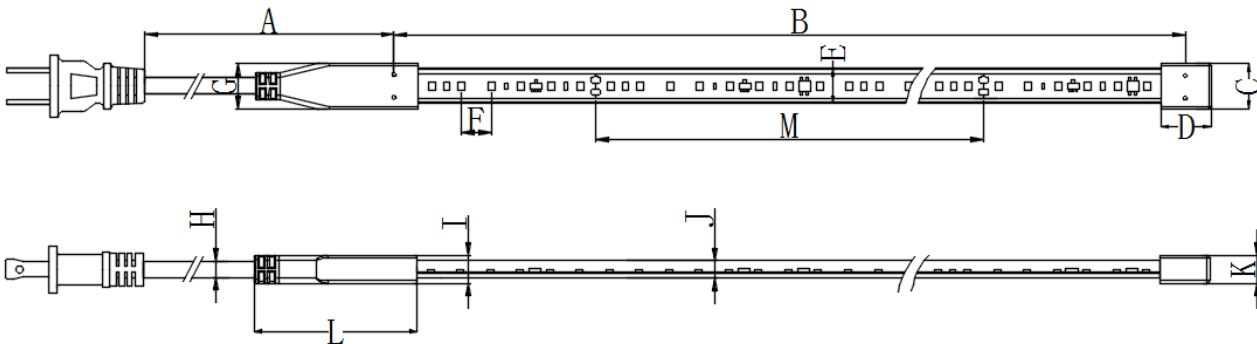
- Surrounding temperature: 26°C.
- Test while turning on.
- The above technical data, including typical power are based on the test of 0.5m.

Optical Test Diagram



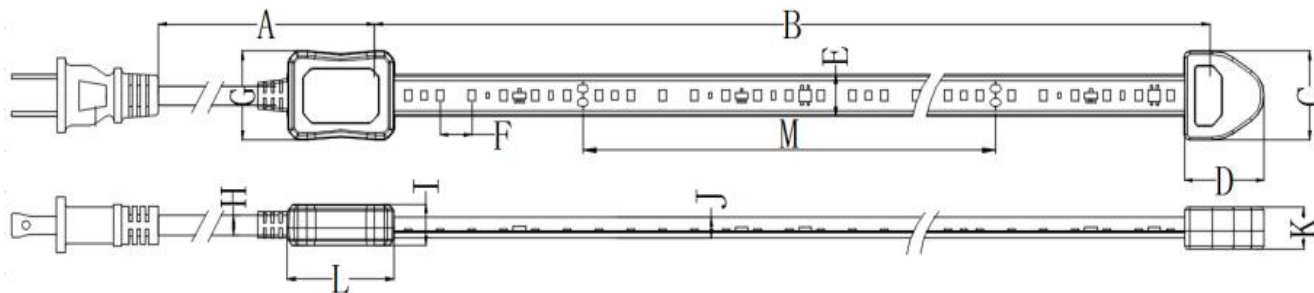
Dimension Drawing

2835 high voltage LED strip (HVFLST2XDE-XX-US-HR-HQ-HE) Input Voltage : AC120V



50M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	50000±500mm	18±0.5mm	20±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	11±0.5mm	7±0.5mm	65±1	166.6±1mm
39.37±0.787in	1968.5±19.685in	0.708±0.019in	0.787±0.019in	0.551±0.019in	0.468±0.039in	0.283±0.019in	0.433±0.019in	0.275±0.019in	2.559±0.0393	6.559±0.0393
25M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	25000±200mm	18±0.5mm	20±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	11±0.5mm	7±0.5mm	65±1	166.6±1mm
39.37±0.787in	984.25±7.874in	0.708±0.019in	0.787±0.019in	0.551±0.019in	0.468±0.039in	0.283±0.019in	0.433±0.019in	0.275±0.019in	2.559±0.0393	6.559±0.0393
20M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	20000±200mm	18±0.5mm	20±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	11±0.5mm	7±0.5mm	65±1	166.6±1mm
39.37±0.787in	787.4±7.874in	0.708±0.019in	0.787±0.019in	0.551±0.019in	0.468±0.039in	0.283±0.019in	0.433±0.019in	0.275±0.019in	2.559±0.0393	6.559±0.0393
10M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	10000±200mm	18±0.5mm	20±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	11±0.5mm	7±0.5mm	65±1	166.6±1mm
39.37±0.787in	393.7±7.874in	0.708±0.019in	0.787±0.019in	0.551±0.019in	0.468±0.039in	0.283±0.019in	0.433±0.019in	0.275±0.019in	2.559±0.0393	6.559±0.0393
5M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	5000±200mm	18±0.5mm	20±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	11±0.5mm	7±0.5mm	65±1	166.6±1mm
39.37±0.787in	196.85±7.874in	0.708±0.019in	0.787±0.019in	0.551±0.019in	0.468±0.039in	0.283±0.019in	0.433±0.019in	0.275±0.019in	2.559±0.0393	6.559±0.0393

2835 high voltage LED strip (HVFLST2XDE-XX-US-HR-HQ-HE(ZZ)) Input Voltage : AC120V





50M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	50000±500mm	30±0.5mm	30±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	14±0.5mm	7±0.5mm	40±0.5mm	166.6±1mm
39.37±0.787in	1968.5±19.685in	1.181±0.019in	1.181±0.019in	0.551±0.019in	0.468±0.019in	0.283±0.019in	0.551±0.019in	0.275±0.019in	1.574±0.019in	6.559±0.0393
25M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	25000±200mm	30±0.5mm	30±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	14±0.5mm	7±0.5mm	40±0.5mm	166.6±1mm
39.37±0.787in	984.25±7.874in	1.181±0.019in	1.181±0.019in	0.551±0.019in	0.468±0.019in	0.283±0.019in	0.551±0.019in	0.275±0.019in	1.574±0.019in	6.559±0.0393
20M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	20000±200mm	30±0.5mm	30±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	14±0.5mm	7±0.5mm	40±0.5mm	166.6±1mm
39.37±0.787in	787.4±7.874in	1.181±0.019in	1.181±0.019in	0.551±0.019in	0.468±0.019in	0.283±0.019in	0.551±0.019in	0.275±0.019in	1.574±0.019in	6.559±0.0393
10M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	10000±200mm	30±0.5mm	30±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	14±0.5mm	7±0.5mm	40±0.5mm	166.6±1mm
39.37±0.787in	393.7±7.874in	1.181±0.019in	1.181±0.019in	0.551±0.019in	0.468±0.019in	0.283±0.019in	0.551±0.019in	0.275±0.019in	1.574±0.019in	6.559±0.0393
5M										
A	B	C/G	D	E	F	H	I/K	J	L	M
1000±20mm	5000±200mm	30±0.5mm	30±0.5mm	14±0.5mm	11.9±0.5mm	7.2±0.5mm	14±0.5mm	7±0.5mm	40±0.5mm	166.6±1mm
39.37±0.787in	196.85±7.874in	1.181±0.019in	1.181±0.019in	0.551±0.019in	0.468±0.019in	0.283±0.019in	0.551±0.019in	0.275±0.019in	1.574±0.019in	6.559±0.0393


Remarks:

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

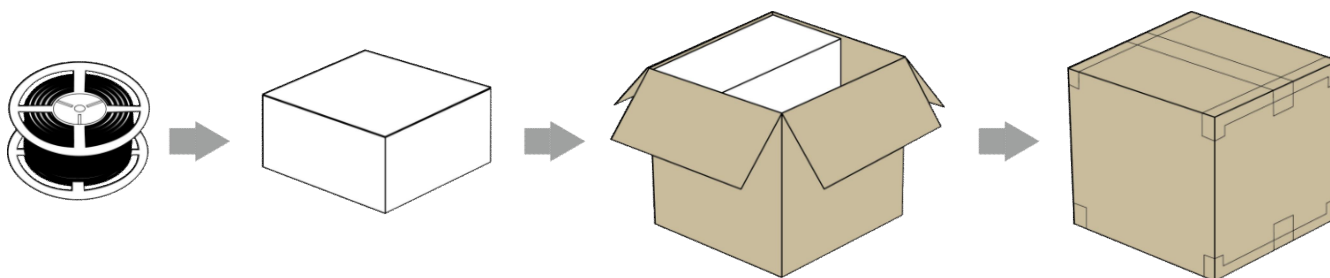
Standard Accessories

Category	Picture	Material Code	Description
PC Buckle		A.HVFLST5-MC	Transparent fixing clip
Screw		W.42.S00301601NT0	Stainless steel screw

Optional Accessories

Category	Picture	Part No.	Description
American accessories		WW-HFE-SWP29-US-10-1000	US Power supply set (plug, Connector, Waterproof silicone 、 Screw 、 Head and tail upper and lower shells 、 Waterproof silicone)

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	250*100*45mm	270*255*53mm	1	280*240*283mm	4	2.548KG ±10%	4.432KG ±10%	0.019m ³
	9.84*3.93*1.77in	10.63*10.03*2.086in	1	11.02*9.44*11.14in	4	5.62 Lbs ±10%	9.77Lbs ±10%	0.6709ft ³
10m	330*100*50mm	345*330*61mm	1	362*265*350mm	4	4.656KG±10%	7.996KG ±10%	0.0192m ³
	12.99*3.93*1.96in	13.58*12.99*2.4in	1	14.25*10.43*13.77in	4	10.26Lbs ±10%	17.63Lbs ±10%	0.676ft ³
20m	330*100*50mm	345*330*61mm	1	362*265*350mm	4	8.864KG ±10%	12.404KG ±10%	0.0335m ³
	12.99*3.93*1.96in	13.58*12.99*2.4in	1	14.25*10.43*13.77in	4	19.54 Lbs ±10%	27.37Lbs ±10%	1.185ft ³
25m	330*70mm	345*330*82mm	1	362*350*185mm	2	5.484KG ±10%	7.588KG ±10%	0.0234m ³
	12.99*2.76in	13.58*12.99*3.23in	1	14.25*13.78*7.28in	2	12.09Lbs ±10%	16.73Lbs ±10%	0.828ft ³
50m	330*100*110mm	345*330*122mm	1	365*265*350mm	2	10.744KG ±10%	13.490KG ±10%	0.0335m ³
	12.99*3.93*4.33in	13.58*12.99*4.8in	1	14.37*10.43*13.77in	2	23.69 Lbs ±10%	29.74Lbs ±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 $\pm 5\%$



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.