V2.0

# Product Specification

## AC 120V&230V LED HV Strip

3528 AC120V&230V 60LEDs/M 5.3W&6W/m IP65

HVFLST3X3C-XX-XX-XR


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Kwun Tong, Kowloon, Hong Kong

Tel : (852) 3152 3059 (10 lines)
Fax : (852) 3152 3039

China Factory :
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Fucheng Street, Longhua District, Shenzhen, Guangdong, China

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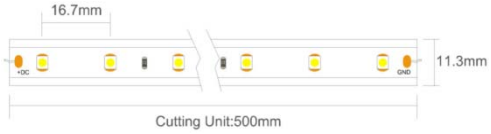
## Product Features

- AC 120V/230V external bridge rectifier, plug & on;
- Flexible PVC material, electrical insulation；
- Self-encapsulated design offer five optional white light from 2300-6500K；
- Light source lifetime: 50Khours (L70);

EU

US




## Technology info

- Lighting Technology: LED
- DLS or NDLS: NDLS
- MLS or NMLS: MLS

- EN55015:2013+A1
- EN61547:2009
- EN60598-1:2015
- EN60598-2-20:2015
- EN62493:2015
- EN62471:2008

| | |
|---|---|
| **Waterproof Type** | C 65 |
| | 3 Years Warranty |

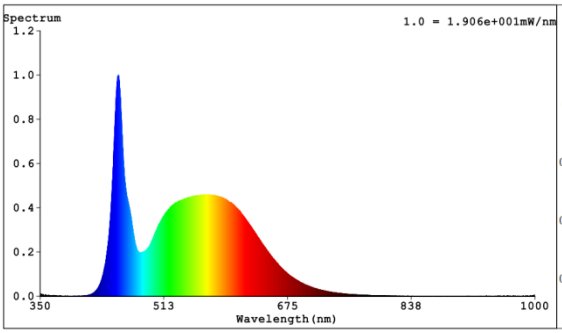
## Technical Parameters

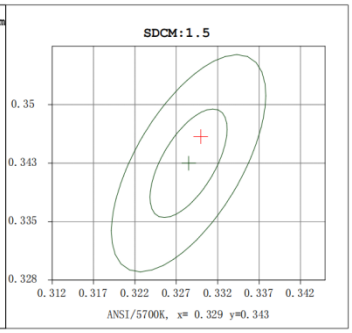
| Model NO. | CRI (Ra) | Rf | Rg | Typical Power (W/M) | Max. Power (W/M) | Color | LED Color Temp.(K) Wavelength(nm)* | 3SDCM LED Color Temp.(K) Wavelength(nm)** | Typ. Luminous Flux LM/M(39.37in) | Rated voltage |
|---|---|---|---|---|---|---|---|---|---|---|
| HVFLST3X3C-XX-EU-HR | 80 | 82 | 96 | 4.00 | 4.40 | Warm White | 2300-2600K | / | 270 | AC230V |
| | | | | | | Warm White | 2600-2900K | / | 270 | |
| | | | | | | Warm White | 2900-3200K | / | 270 | |
| | | | | | | Natural White | 3700-4250K | / | 300 | |
| | | | | | | Standard White | 5700-6500K | / | 300 | |
| HVFLST3X3C-XX-US-HR | 80 | 82 | 96 | 4.70 | 5.17 | Warm White | 2300-2600K | / | 300 | AC120V |
| | | | | | | Warm White | 2600-2900K | / | 300 | |
| | | | | | | Warm White | 2900-3200K | / | 300 | |
| | | | | | | Natural White | 3700-4250K | / | 330 | |
| | | | | | | Standard White | 5700-6500K | / | 330 | |
| HVFLST3X3C-XX-EU-UR | 90 | 90 | 100 | 4.00 | 4.40 | Warm White | 2300-2600K | / | 230 | AC230V |
| | | | | | | Warm White | 2600-2900K | / | 230 | |
| | | | | | | Natural White | 2900-3200K | / | 250 | |
| HVFLST3X3C-XX-US-UR | 90 | 90 | 100 | 4.70 | 5.17 | Warm White | 3700-4250K | / | 250 | AC120V |
| | | | | | | Warm White | 5700-6500K | / | 250 | |
| | | | | | | Natural White | 2300-2600K | / | 270 | |

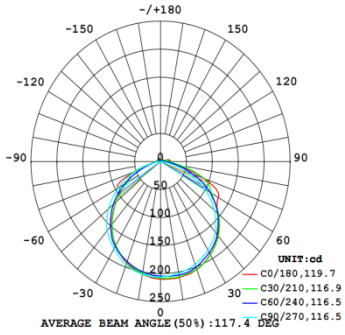
**Remark：**

- ** The above color temperature is the color temperature of LED, finished waterproof product may exist a little color shift.
- The lumen value tolerance range is ±10% (subject to the manufacturer's instrument test).
- The above value of power is not including the power consumption of external bridge rectifier.
- Power consumption of bridge rectifier : EU:2W, US0.6W

## Optical Test Diagram

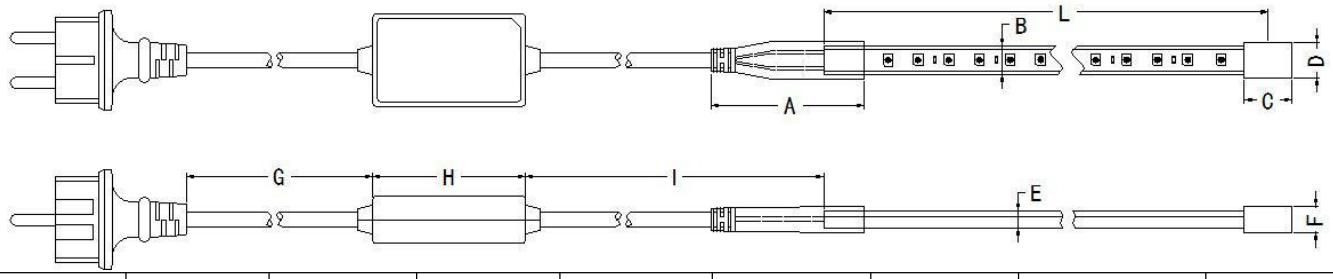


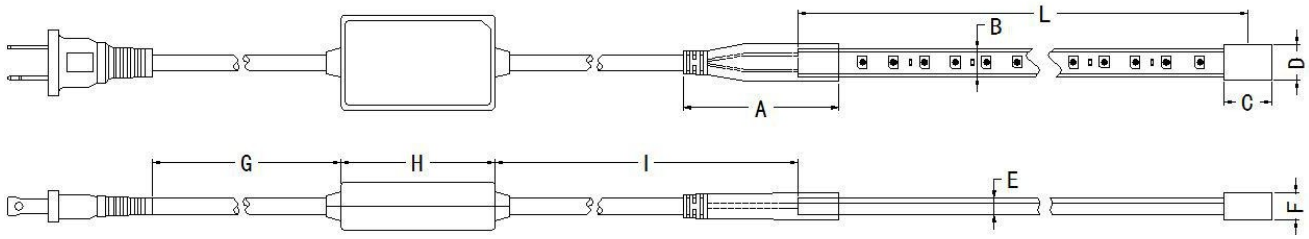
## Dimension Drawing

### 3528 high voltage LED strip（HVFLST3X3C-XX-EU-XR）Input Voltage：AC230V




| A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|
| 65±0.5mm | 11.3±0.3m | 20±0.5mm | 15±0.5mm | 7.5±0.2mm | 11.5±0.5mm | 1000±10mm | 64±0.5mm | 500±5mm |
| 2.560±0.019in | 0.444±0.011in | 0.787±0.019in | 0.590±0.019in | 0.295±0.007in | 0.427±0.019in | 39.370±0.393in | 2.519±0.019in | 19.685±0.196in |

### 3528 high voltage LED strip（HVFLST3X3C-XX-US-XR）Input Voltage：AC120V




| A | B | C | D | E | F | G | H | I |
|---|---|---|---|---|---|---|---|---|
| 65±0.5mm | 11.3±0.3m | 20±0.5mm | 15±0.5mm | 7.5±0.2mm | 11.5±0.5mm | 1000±10mm | 64±0.5mm | 500±5mm |
| 2.560±0.019in | 0.444±0.011in | 0.787±0.019in | 0.590±0.019in | 0.295±0.007in | 0.427±0.019in | 39.370±0.393in | 2.519±0.019in | 19.685±0.196i |

**Remark：**

- Strip Length "L" (500CM,2000CM,5000CM)
- Tolerance of measurement is：
  ≤500CM，±3 CM；
  ≥500CM≤5000CM，±5 CM；
  ≥5000CM≤10000CM，±10 CM

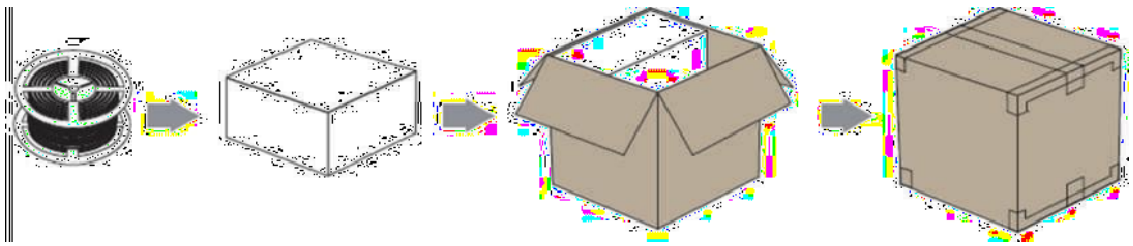
## Standard Accessories

| Category | Picture | Material Code | Description |
|---|---|---|---|
| PC Buckle | | A.HVFLST3-MC | Transparent fixing clip |
| Screw | | W.42.S00301601NT0 | Stainless steel screw |

## Optional Accessories

| Category | Picture | Part No. | Description |
|---|---|---|---|
| European accessories | | HVFLST2-FEC-EU | EU Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap) |
| American accessories | | HVFLST2-FEC-US | US Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap) |
| British accessories | | HVFLST2-FEC-UK | UK Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap) |
| China accessories | | HVFLST2-FEC-CN | CN Power supply set (Bridge rectifier, plug, heat shrinkable tube, pin, end cap) |
| glue |  | WW-PVCG | PVC glue |

## 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 | 270*255*53mm | 1 | 280*240*283mm | 4 | 0.62KG ±10% | 0.962KG ±10% | 0.019m$^3$ |
| | 10*1.77in | 10.62*10.03*2.08in | 1 | 11.02*9.44*11.14in | 4 | 1.366 Lbs ±10% | 2.12Lbs ±10% | 0.67ft$^3$ |
| 20m | 330*50mm | 345*330*61mm | 1 | 362*265*350mm | 4 | 2.45KG ±10% | 3.168KG ±10% | 0.0335m$^3$ |
| | 12.99*1.96in | 13.58*12.99*2.4in | 1 | 14.25*10.43*13.77in | 4 | 5.4 Lbs ±10% | 6.983Lbs ±10% | 1.185ft$^3$ |
| 50m | 330*110mm | 345*330*122mm | 1 | 362*265*350mm | 2 | 6.11KG ±10% | 7.118KG ±10% | 0.0335m$^3$ |
| | 12.99*4.33in | 13.58*12.99*4.8in | 1 | 14.25*10.43*13.77in | 2 | 13.46 Lbs ±10% | 15.691Lbs ±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 minumum 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.**

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