



## AB-FZCVVKK-19712-XS2

### Features:

- UL listed
- IP65 waterproof rating
- Side emitting
- Environment temperature -40°C~45°C
- Operating temperature -40°C~85°C
- Storage temperature -40°C~85°C
- Environment humidity 40-70%RH

### Application:

- Conference/meeting rooms
- Hospitals
- Commercial/ residential buildings
- ReEntertaining lighting
- Hotels

### Product performance parameter:

| Serial number | Part Number           | Color      | CRI/nm    | QTY/M (39.3in) | Luminous per meter | lm/w | working voltage (12/24V)/IF(A) | Rated power (W/M) |
|---------------|-----------------------|------------|-----------|----------------|--------------------|------|--------------------------------|-------------------|
| 1             | AB-FZC012KK-19712-XS2 | 2700-6500K | Ra > 80   | 60LED          | 475lm              | 95lm | 12V/0.41A                      | 5.0               |
| 2             | AB-FZC01206-19712-XS2 | Red        | 620-630nm | 60LED          | 72lm               | 19/W | 12V/0.32A                      | 3.8               |
|               |                       | Green      | 520-530nm |                | 180lm              | 60/W | 12V/0.30A                      | 3.6               |
|               |                       | Blue       | 455-465nm |                | 54lm               | 15/W | 12V/0.30A                      | 3.6               |
| 3             | AB-FZC024KK-19712-XS2 | 2700-6500K | Ra > 80   | 60LED          | 475lm              | 95lm | 24V/0.21A                      | 5.0               |
| 4             | AB-FZC02406-19712-XS2 | Red        | 620-630nm | 60LED          | 72lm               | 19/W | 24V/0.16A                      | 3.8               |
|               |                       | Green      | 520-530nm |                | 180lm              | 60/W | 24V/0.15A                      | 3.6               |
|               |                       | Blue       | 455-465nm |                | 54lm               | 15/W | 24V/0.15A                      | 3.6               |

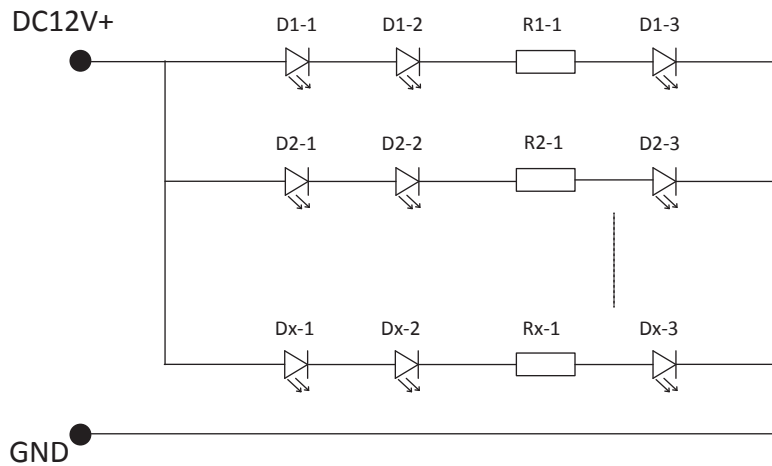
### Notes :

1. Luminous flux plus or minus 10% is allowed in the floating.
2. Maximum length current attenuation 15%.
3. Photometric standards are based on CIE eye sensitivity curve diagram test.

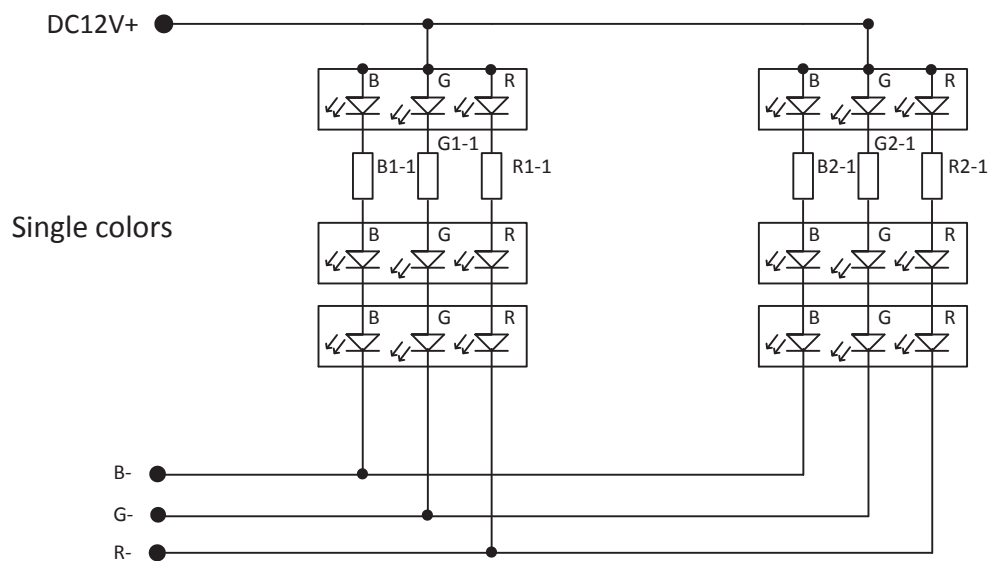


## Schematic diagram:

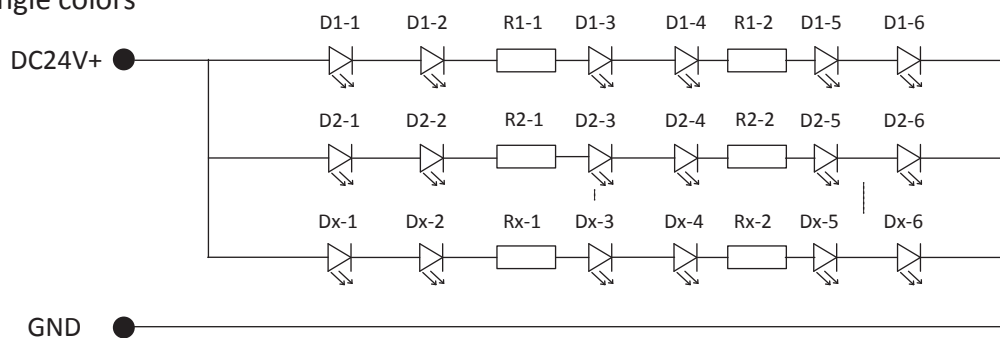
Single colors



RGB

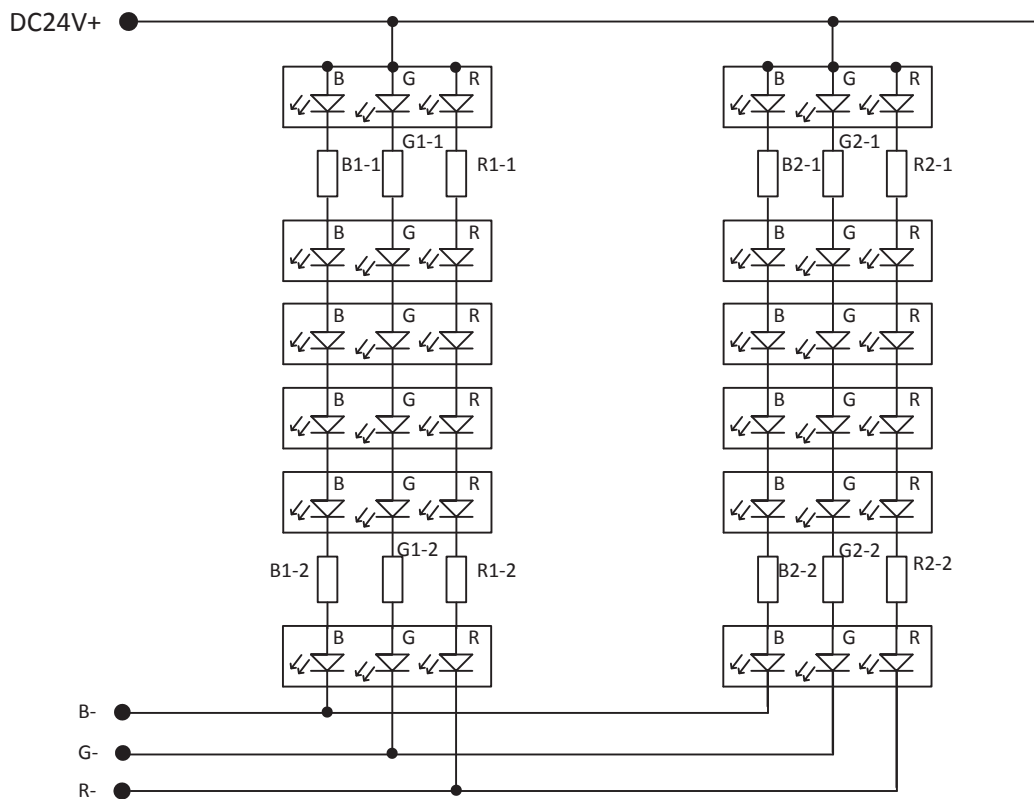


Single colors





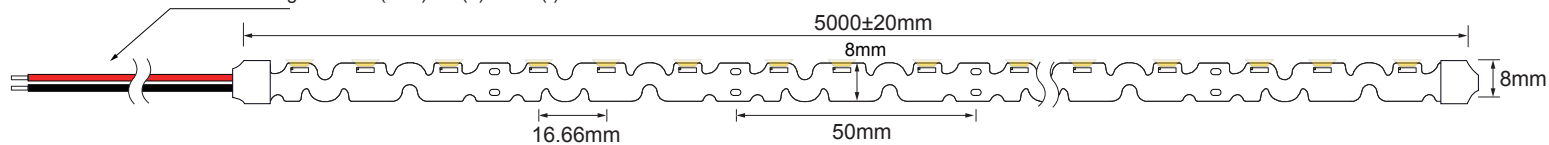
RGB



## Product size chart:

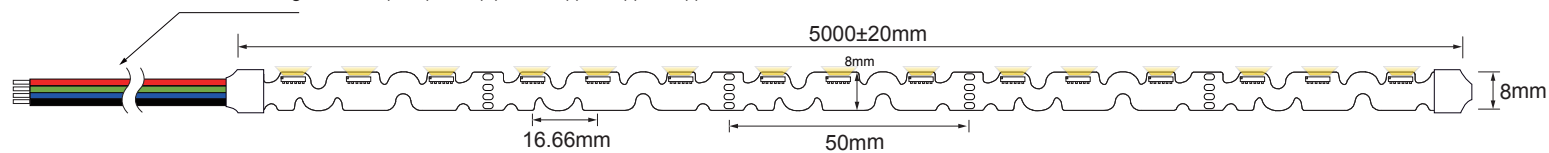
### AB-FZC012KK-19712-XS2

UL 1007 AWG 20 length:310mm(12in)Red(+) Black(-)



### AB-FZC01206-19712-XS2

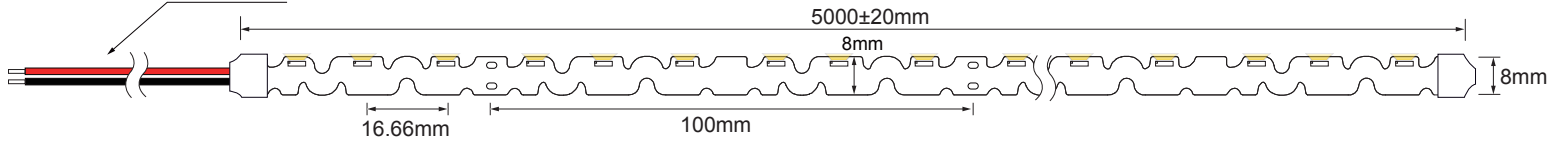
UL 1007 AWG 24 length:310mm(12in)Black(+) Green(-) Red(-) Blue(-)





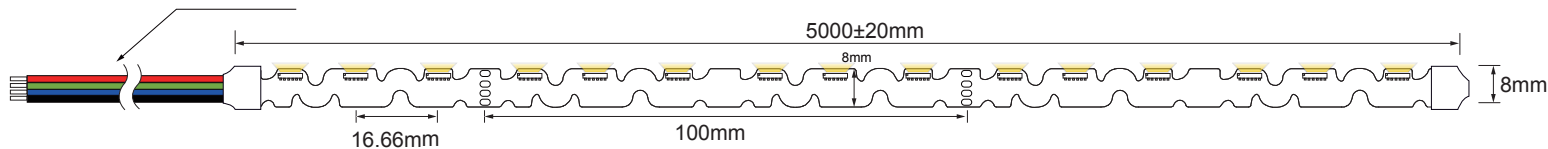
**AB-FZC024KK-19712-XS2**

UL 1007 AWG 20 length:310mm(12in)Red(+) Black(-)



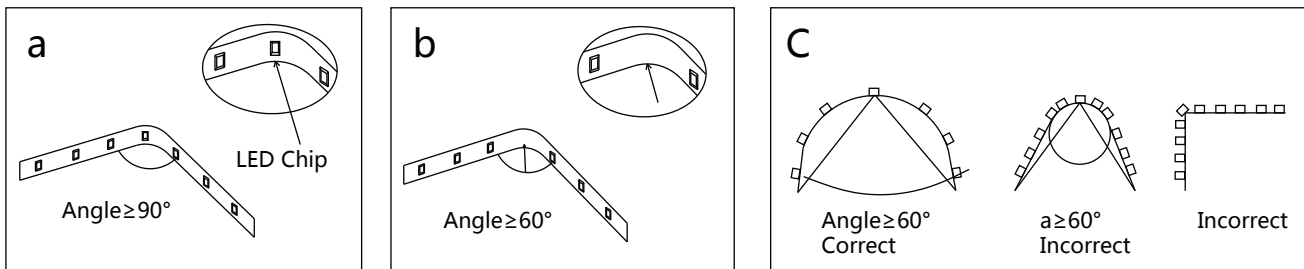
**AB-FZC02406-19712-XS2**

UL 1007 AWG 24 length:310mm(12in)Black(+) Green(-) Red(-) Blue(-)



1. UNIT:MM
2. COLOR:WHITE
3. PCB: Double-layered FPCB: 1 front + 1 back: 2-layer Cu (1oz + 1oz) ---  $0.25 \pm 0.05\text{mm}$
4. 3M 9495 double-sided tape on the back
5. FPCBA surface coating

## LED Strip Installation



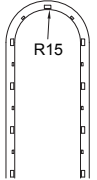
a: use an angle greater or equal to 90 degrees when there is an LED chip on the corner while placing the strip in a concave position (Angle $\geq$ 90degree)

b: use an angle greater or equal to 60 degrees when there is an LED chip on the corner while placing the strip in a concave position (Angle $\geq$ 60degree)

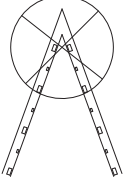
c:use an angle greater or equal to 60 degrees when there is an LED chip on the corner while placing the strip in a concave position (Angle $\geq$ 60degree) In the convex position the angle should not reach 90 degrees .See above diagram.



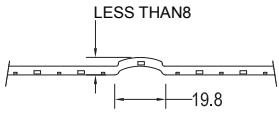
## Maximum Flexibility Precaution



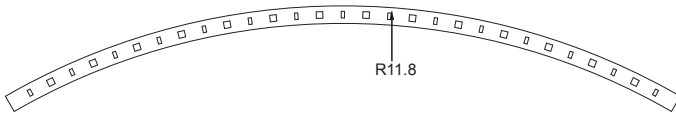
**NOTE:** DO NOT BEND TO A RADIUS OF LESS THAN 0.59 INCH



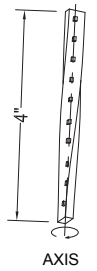
**NOTE:** SHARP BENDING ISN'T ALLOWABLE



**NOTE:** DO NOT AXIAL BEND TO THE HEIGHT OF MORE THAN 19.8mm WITHIN 0.78 INCH SEGMENT

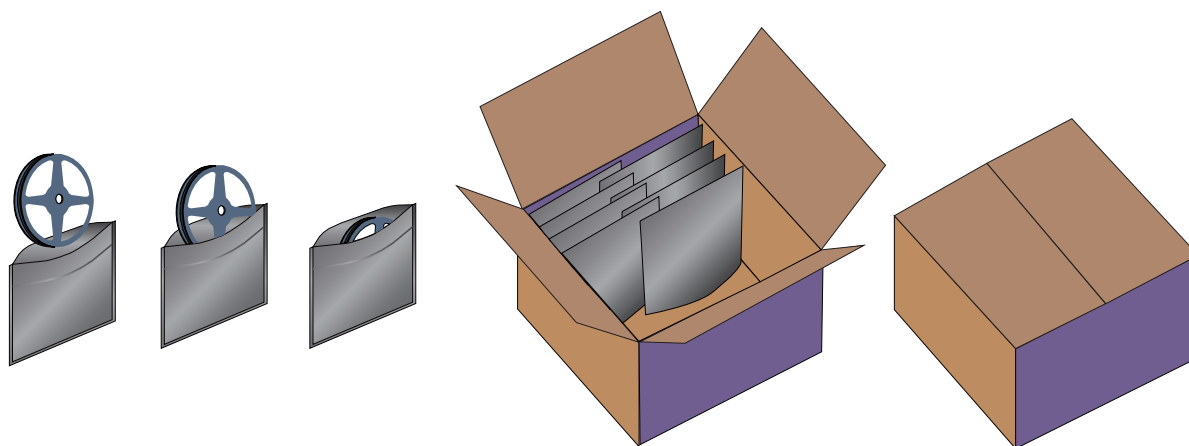


**NOTE:** DO NOT HORIZONTAL BEND TO A RADIUS OF LESS THAN 18 INCH



**NOTE:** DO NOT TWIST MORE THAN 90° OVER THE LENGTH OF ONE 24v SEGMENT/ TWO 12V SEGMENTS (4" TOTAL LENGTH)

## Product packaging



| Model | Part number          | box(pcs) | Net Weight/box | Gross Weight/box |
|-------|----------------------|----------|----------------|------------------|
| 1     | AB-FZCVVKK-19712-XS2 | 20       |                |                  |