

Product Specification

DC Flexible LED Strip

Dim to Warm 2016 Series

2016 Top LED 10mm FPC 240LEDs/M

WW-FLS102T21WS240X-24(WCP)-UR-DTW



HK Office :

Unit 1901, 19th Floor, NanYang Plaza, No. 57 Hung To Road
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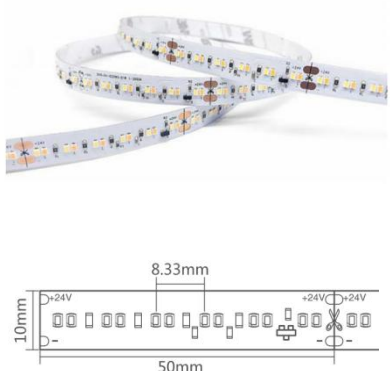
Fax : (852) 3152 3039



China Factory :

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Tel : (86) 755 8601 9190

Fax : (86) 755 8601 9197

| | |
|--|---|
| <p>Product Features</p> <ul style="list-style-type: none"> • High quality FPC, authentic 3M tape; • Self-encapsulated design 2016 LED; • Light source lifetime:50K hours(L70); • Min. Bending Diameter: Φ60mm • Max. length(M): 5M • LED SDCM≤6 |  |
| <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"> • EN55015:2019 • EN61547:2009 • EN60598-1:2015 • EN60598-2-20:2015 • EN62493:2015 • EN62471:2008 |

| | | |
|------------------------|--|--|
| Waterproof Type |  <p>B 20</p> |  <p>F 65</p> |
| | Naked Strip | Silicone Tube |
| | 5 Years Warranty | 5 Years Warranty |

WW-FLS102T21WS240X-24(WCP)-UR-DTW

Parameters

| IP Grade | 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 |
|----------|-----------------------------------|----------|----|-----|---------------------|------------------|----------------|------------------------------------|---|----------------------------------|---------------|
| E 20 | WW-FLS102T21WS240B-24(WCP)-UR-DTW | 90 | 90 | 100 | 19.20 | 21.12 | Warm White | 1800-2000K | / | 1400 | DC 24V |
| | | | | | | | Standard White | 5700-6500K | / | | |
| F 65 | WW-FLS102T21WS240F-24(WCP)-UR-DTW | 90 | 90 | 100 | 19.20 | 21.12 | Warm White | 1800-2000K | / | 1344 | DC 24V |
| | | | | | | | Standard White | 5700-6500K | / | | |

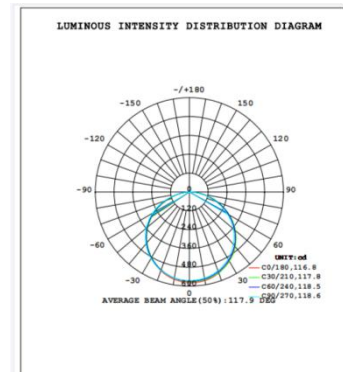
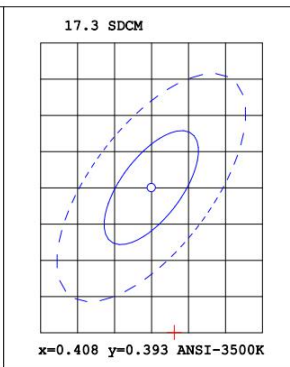
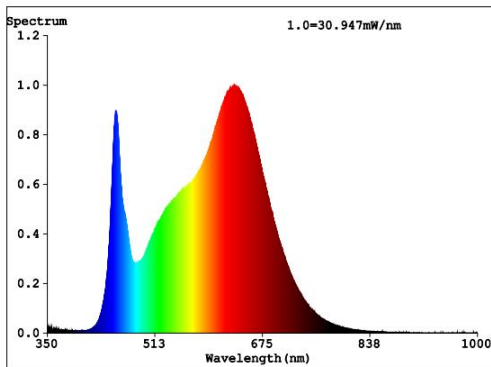
Remarks:

- *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 ±15% (subject to the manufacturer's instrument test).

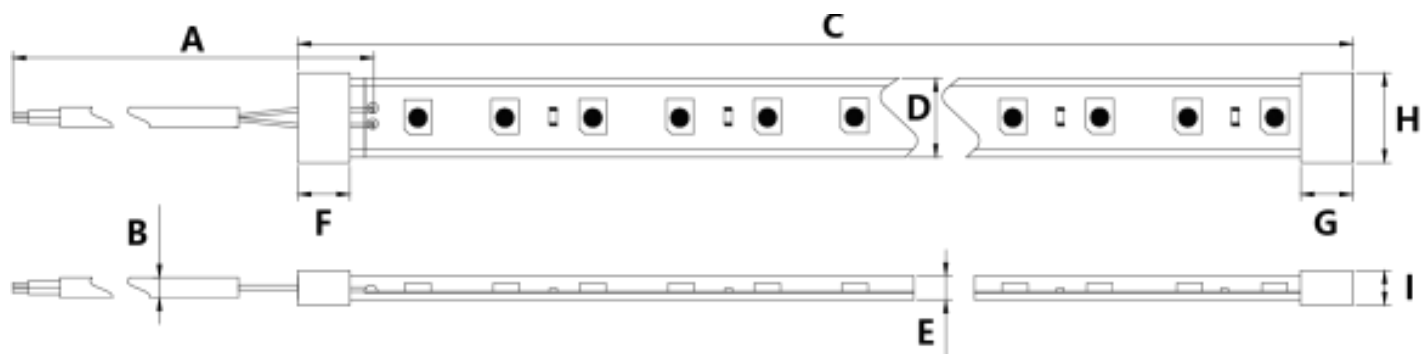
Test condition of above technical data:

- Surrounding temperature: 26°C.
- Test while turning on.

Optical Test Diagram



Dimension Drawing

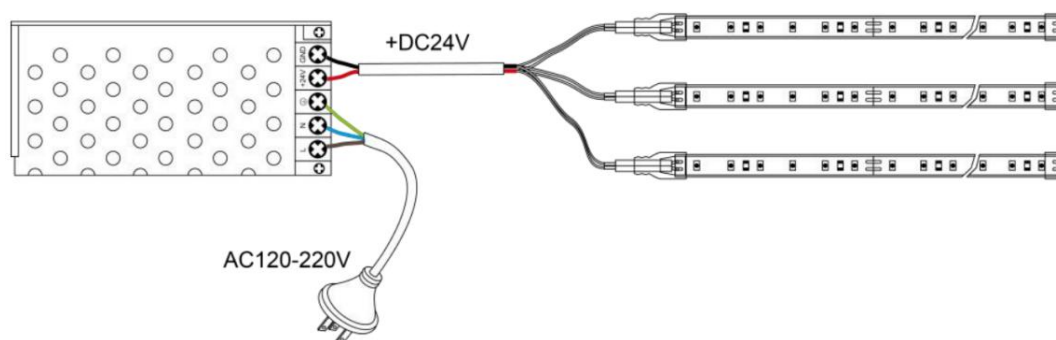


| IP Grade | A Cable Length | B cable diameter | C Strip length | D Strip width | E Strip thickness | F Front cap length | G End cap length | H Cap width | I Cap thickness |
|----------|-------------------|---------------------|-------------------|------------------|----------------------|-----------------------|---------------------|----------------|--------------------|
| E 20 | 300±10mm | Φ4.0±0.2mm | 5000±50mm | 10±0.5mm | 1.5±0.5mm | / | / | / | / |
| | 11.81±0.39in | 0.16±0.01in | 196.85±1.97n | 0.39±0.02in | 0.059±0.02in | / | / | / | / |
| E 65 | 300±10mm | Φ4.0±0.2mm | 5020±50mm | 12±0.5mm | 4.0±0.5mm | 22.5±0.5mm | 10±0.5mm | 14.5±0.5mm | 6.0±0.5mm |
| | 11.81±0.39in | 0.16±0.01in | 197.64±1.97n | 0.47±0.02in | 0.16±0.02in | 0.89±0.02in | 0.39±0.02in | 0.57±0.02in | 0.24±0.02in |



Remarks:

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

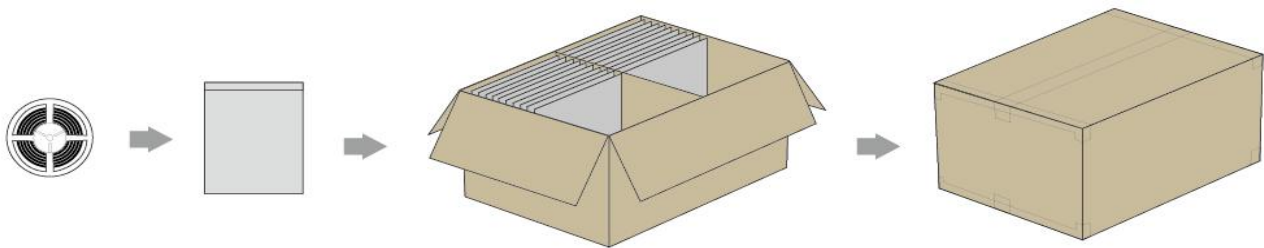
Circuit Diagram



Standard Accessories

| IP Grade | Category | Description | Picture | Part No. | Application |
|----------|--------------------------|----------------------------|--|---------------------|------------------|
| E 20 | / | / | / | / | / |
| | / | / | / | / | / |
| F 65 | Installation Accessories | Installation Buckle+Screws |  | WW-FLS102JJA-MC | Waterproof strip |
| | Connection Accessories | Front cap+End cap+Cable |  | WW-FLS102F-CW(12mm) | 10mm Type F |

Packaging Diagram













Packaging information

















| IP Grade | Bag size | Inner carton | | Outer carton | | N.W | G.W | Outer carton volume |
|-------------|---------------------|--------------|----------|---------------------|----------|---------------|---------------|---------------------|
| | | Size | Reel/ctn | Size | Reel/ctn | | | |
| B 20 | 250*270*0.14mm | / | / | 440*400 *260mm | 50 | 9.8 KG ±10% | 11.96KG ±10% | 0.05m³ |
| | 9.84*10.63*0.0056in | / | / | 17.32*15.75*10.24in | 50 | 21.6 Lbs ±10% | 26.37Lbs±10% | 1.62ft³ |
| F 65 | 250*270*0.14mm | / | / | 440*400 *260mm | 40 | 8.27KG ±10% | 10.17KG±10% | 0.05m³ |
| | 9.84*10.63*0.0056in | / | / | 17.32*15.75*10.24in | 40 | 18.23Lbs±10% | 22.42 Lbs±10% | 1.62ft³ |


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°C~+45°C (-4°F~+113°F) | 0°C~+60°C (32°F~+140°F) | 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.**