



WCN Opto Group Co., Ltd

**LED STRIP LIGHT**

|                           |                       |
|---------------------------|-----------------------|
| Company Name              | <input type="text"/>  |
| Date                      | 2017/12/27            |
| Part No.                  | WCN-FT5050NW1-60FT-45 |
| Product Group Description | <input type="text"/>  |
| Customer Part No.         | <input type="text"/>  |
| Approval Date             | <input type="text"/>  |

Customer Confirmation

Quality Dept. Confirmation

Engineering Dept. Confirmation

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2017/12/27

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2017/12/27

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**LED STRIP LIGHT****CONTENT**

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**SPEC . NO :** WCN-FT5050NW1-60FT-45

**DATE :** 2017/12/27

**VER. NO :** A0

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**LED STRIP LIGHT**

**REVISION RECORD**

| MARKER | Matter for revision      | SHEET                    | DTAE       | MAKER | APPOVED SIGN |             |  |
|--------|--------------------------|--------------------------|------------|-------|--------------|-------------|--|
|        | Reason for revision      |                          |            |       |              |             |  |
| A0     | New Version issued       | WHOLE SHEET              | 2017/12/17 |       |              |             |  |
|        | P#WCN-FT5050NW1-60 FT-45 |                          |            |       |              |             |  |
|        |                          |                          |            |       |              |             |  |
|        |                          |                          |            |       |              |             |  |
|        |                          |                          |            |       |              |             |  |
|        |                          |                          |            |       |              |             |  |
|        |                          |                          |            |       |              |             |  |
|        |                          |                          |            |       |              |             |  |
| REMARK |                          | P# WCN-FT5050NW1-60FT-45 |            |       |              | PAGE:3 of 6 |  |

**LED STRIP LIGHT****Features :**

- Linear separable LED strip on flexible printed circuit board with self-adhesive back
- Long life ,easy installation
- Voltages available 5VDC
- LED: 60pcs 5050 White,
- PCB material : FPCB

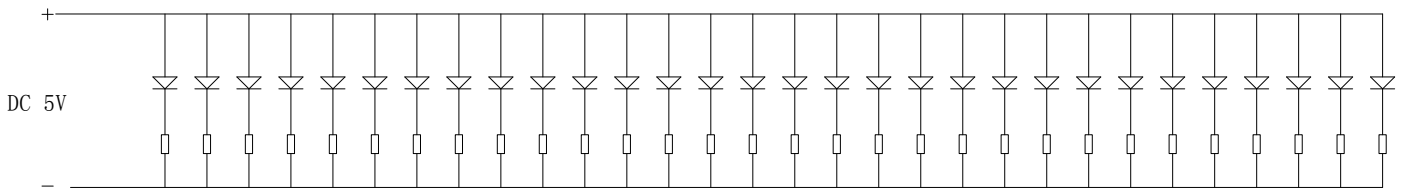
**Product Picture:**

| Part No               | Color         | Surface Coating | Waterproof level | Q`ty of LEDs/M | Color Temp/Wavelength Typ(Kelvin/nm) | Luminous flux(LM/M) | Voltage (V DC) | Power (W/M) |
|-----------------------|---------------|-----------------|------------------|----------------|--------------------------------------|---------------------|----------------|-------------|
| WCN-FT5050NW1-60FT-45 | Natural White | No Silicon      | IP20             | 60             | 4500-5000K                           | 1200-1560           | 5              | 18          |

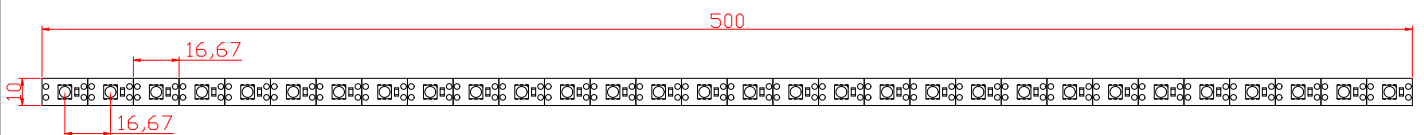
**LED STRIP LIGHT**

|                    |                   |                         |                          |                          |
|--------------------|-------------------|-------------------------|--------------------------|--------------------------|
| <b>APPEARANCE</b>  |                   |                         | <b>PCB Material</b>      | <b>FPCB</b>              |
| <b>Description</b> | <b>Lens Color</b> | <b>Waterproof level</b> | <b>Led Emitted Color</b> | <b>Natural White</b>     |
|                    |                   |                         | <b>Driver Mode</b>       | <b>5V DC</b>             |
| <b>White</b>       | <b>No Water</b>   | <b>IP 20</b>            | <b>Packing</b>           | <b>5 meters per roll</b> |

**■ Circuit Diagram:**



**■ Outer Dimension:**



Explain:

1. LED 5050 (PLCC4) 60LEDS/M
2. Resistance (1206 36; 7)-----60LEDS/M
3. 5V Drive

**Notes: 1.UNLESS OTHERWISE STATED, THE TOLERANCE IS ±3MM.**

**LED STRIP LIGHT**

**ABSOLUTE MAXIMUM RATINGS AT TA=25°C**

| Parameter             | Symbol         | Rating                        | Units  |
|-----------------------|----------------|-------------------------------|--------|
| Input Voltage         | V              | 5 DC                          | V      |
| Forward Current       | I <sub>F</sub> | 50                            | mA/smd |
| Input Frequency       | F              | ---                           | Hz     |
| Power Dissipation     | P              | 18                            | W      |
| Operating Temperature | T <sub>e</sub> | -20~+40                       | °C     |
| Storage Temperature   | T <sub>s</sub> | -20~+60                       | °C     |
| Operating Humidity    | /              | 10 - 65% RH<br>NON-CONDENSING | /      |

**Typical Performance (Ta=25°C)**

| Item   | Symbol | Rating |       |      | Units  |
|--|--------|--------|-------|------|--------|
|  |        | Min.   | Typ.  | Max. |        |
| Input Voltage                                  | V      | 4      | 5     | 6    | V      |
| Beam Pattern                                   | BP     | ---    | 120   | ---  | Deg    |
| Total Length                                   | L      | ---    | 5     | ---  | M/roll |
| Estimated Life [1]                             | Life   | ---    | 50000 | ---  | hour   |
| Optimized Thermal Management(Body Temperature) | /      | -20    | ---   | 40   | °C     |