



WCN Opto Group Co., Ltd

**LED STRIP LIGHT**

Company Name

Date

2017/12/27

Part No.

WCN-FT5050HY1-60FT

Product Group  
Description

Customer Part No.

Approval Date

Customer  
Confirmation

Quality Dept.  
Confirmation

Engineering Dept.  
Confirmation

ZhangChun  
2017/12/27

Prepared By

LiuGuo  
2017/12/27

Provenance: China

WCN Opto Group Co., Ltd

5th Floor,Block A-2,Xuxingda Ind Zone  
Shiyan Town,Bao An District , Shenzhen  
Tel : (86)755-29000022  
Fax : (86)755-29000023



www . wcnopto.net



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

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**SPEC . NO :** WCN-FT5050HY1-60FT

**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<br>SHEET           | 2017/12/<br>17 |       |              |             |  |
|        | P#WCN-FT5050HY1-60<br>FT |                          |                |       |              |             |  |
|        |                          |                          |                |       |              |             |  |
|        |                          |                          |                |       |              |             |  |
|        |                          |                          |                |       |              |             |  |
|        |                          |                          |                |       |              |             |  |
|        |                          |                          |                |       |              |             |  |
|        |                          |                          |                |       |              |             |  |
| REMARK |                          | P#<br>WCN-FT5050HY1-60FT |                |       |              | 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 Yellow,
- PCB material : FPCB

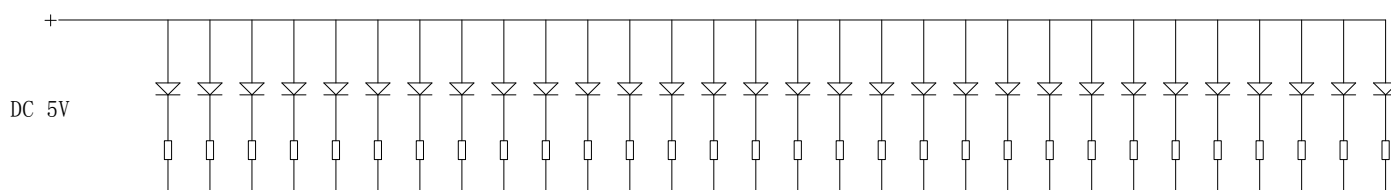
**Product Picture:**

| 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-FT5050HY1-60FT | Yellow | No Silicon      | IP20             | 60             | 585-595nm                            | 360-540             | 5              | 18          |

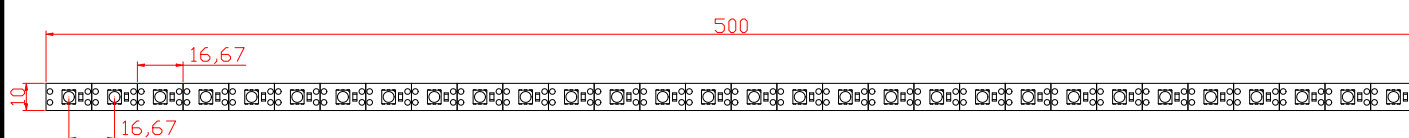
## LED STRIP LIGHT

| APPEARANCE  |            |                  | PCB Material      | FPCB              |
|-------------|------------|------------------|-------------------|-------------------|
| Description | Lens Color | Waterproof level | Led Emitted Color | Yellow            |
| Yellow      | No Water   | IP 20            | Driver Mode       | 5V DC             |
|             |            |                  | Packing           | 5 meters per roll |

### ■ Circuit Diagram:



### ■ Outer Dimension:



Explain:

1. LED 5050 (PLCC4) 60LEDS/M
2. Resistance (1206 75) 75-----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     |