



WCN Opto Group Co., Ltd

**LED STRIP LIGHT**

Company Name	<input type="text"/>
Date	2017/12/27
Part No.	WCN-FR2835NW2-60AP-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-FR2835NW2-60AP-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-FR2835NW2-60 AP-45						
REMARK		P# WCN-FR2835NW2-60AP-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 12VDC
- LED: 60pcs 2835 White,
- PCB material : FPCB

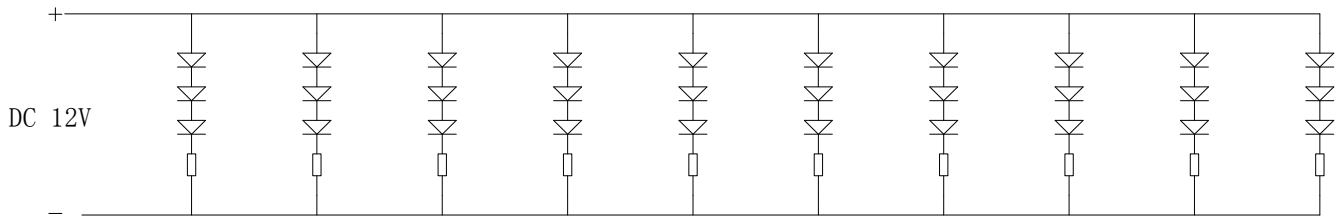
**Product Picture:**

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-FR2835NW2-60AP-45	Natural White	With Silicon	IP65	60	4500-5000K	1200-1560	12	14.4

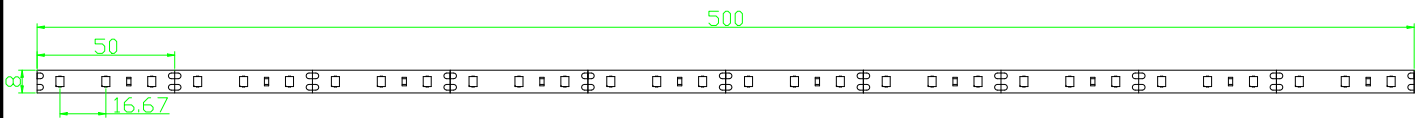
**LED STRIP LIGHT**

<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>12V DC</b>
<b>White</b>	<b>Water clear</b>	<b>IP 65</b>	<b>Packing</b>	<b>5 meters per roll</b>

**■ Circuit Diagram:**



**■ Outer Dimension:**



- Explain:
1. LED 2835 (PLCC4) 60LEDS/M
  2. Resistance (1206 51) 20LEDS/M
  3. 12V 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	12 DC	V
Forward Current	I <sub>F</sub>	50	mA/smd
Input Frequency	F	---	Hz
Power Dissipation	P	14.4	W
Operating Temperature	T <sub>e</sub>	-20~+40	°C
Storage Temperature	T <sub>s</sub>	-20~+60	°C
Operating Humidity	/	10 - 65% RH NON-CONDENSING	/

**Typical Performance (Ta=25°C)**

Item	Symbol	Rating			Units
		Min.	Typ.	Max.	
Input Voltage	V	10	12	14	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