



WCN Opto Group Co., Ltd

LED STRIP LIGHT

Company Name

Date

2017/12/27

Part No.

WCN-FR3528NW2-120AP-45

Product Group
Description

Customer Part No.

Approval Date

Customer
Confirmation

Quality Dept.
Confirmation

Engineering Dept.
Confirmation

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2017/12/27

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SPEC . NO : WCN-FR3528NW2-120AP-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-FR3528NW2-12 0AP-45						
REMARK		P# WCN-FR3528NW2-120AP-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:120pcs 3528 White,
- PCB material : FPCB

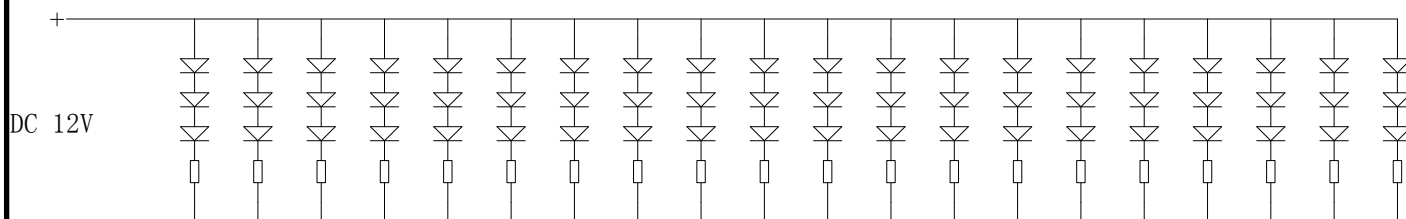
Product Picture:

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-FR3528NW2-1 20AP-45	Natural White	With Silicon	IP65	120	4500-5000K	720-960	12	9.6

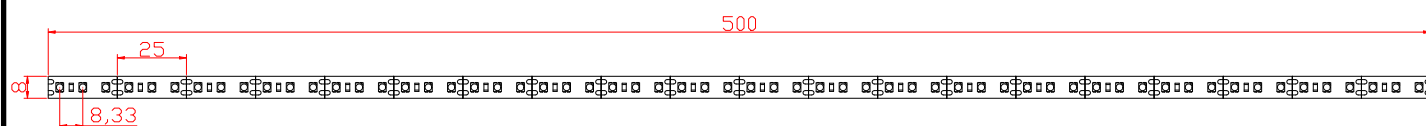
LED STRIP LIGHT

APPEARANCE			PCB Material	FPCB
Description	Lens Color	Waterproof level	Led Emitted Color	Natural White
White	Water clear	IP 65	Driver Mode	12V DC
			Packing	5 meters per roll

■ Circuit Diagram:



■ Outer Dimension:



Explain:
 1. LED 3528 (PLCC4) 120LEDs/M
 2. Resistance (1206 180) 18Ω 40LEDs/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 _F	16	mA/smd
Input Frequency	F	---	Hz
Power Dissipation	P	9.6	W
Operating Temperature	T _e	-20~+40	°C
Storage Temperature	T _s	-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