



WCN Opto Group Co., Ltd

LED STRIP LIGHT

Company Name

Date

2017/12/27

Part No.

WCN-FR3528NW2-60AP-45

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**

ITEM		PAGE
(1)	FACE OF SPECIFICATION	1/6
(2)	CONTENT	2/6
(3)	REVISION RECORD	3/6
(4)	FEATURES AND DESCRIPTION	4/6
(5)	Outer Dimension and Circuit Diagram	5/6
(6)	ABSOLUTE MAXIMUM RATING AND ELECTRICAL/OPTICAL CHARACTERISTICS	6/6

SPEC . NO : WCN-FR3528NW2-60AP-45

DATE : 2017/12/27

VER. NO : A0

Page : 2 of 6

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-FR3528NW2-60 AP-45						
REMARK		P# WCN-FR3528NW2-60AP-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 3528 White,
- PCB material : FPCB

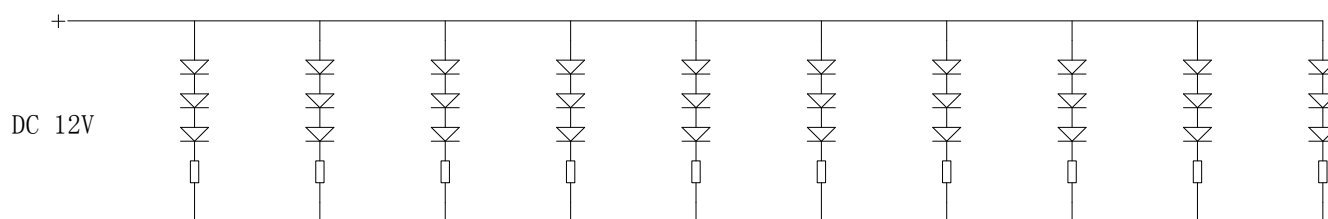
Product Picture:

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-FR3528NW2-60AP-45	Natural White	With Silicon	IP65	60	4500-5000K	360-480	12	4.8

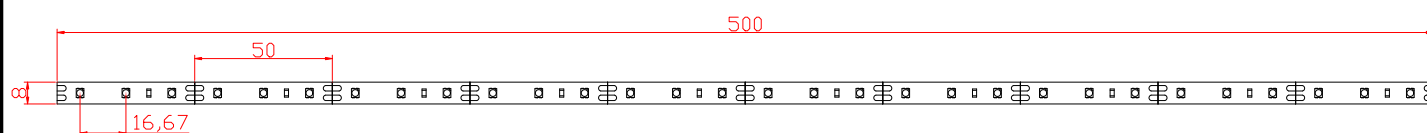
LED STRIP LIGHT

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) 60LEDS/M
 2. Resistance (1206 180) 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 _F	16	mA/smd
Input Frequency	F	---	Hz
Power Dissipation	P	4.8	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