



WCN Opto Group Co., Ltd

LED STRIP LIGHT

Company Name

Date

2017/6/7

Part No.

WCN-FF5050RGBW-120AP-55

Product Group
Description

Customer Part No.

Approval Date

Customer
Confirmation

Quality Dept.
Confirmation

Engineering Dept.
Confirmation

ZhangChun
2017/6/7

Prepared By

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2017/6/7

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LED STRIP LIGHT**CONTENT**

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SPEC . NO : WCN-FF5050RGBW-120AP-55

DATE : 2017/6/7

VER. NO : A4

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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	2017/3/23				
	P#WCN-FF5050RGBW-120AP-55						
A1	PCB size	WHOLE SHEET	2017/3/27				
	P#WCN-FF5050RGBW-120AP-55						
A2	Color	WHOLE SHEET	2017/3/28				
	P#WCN-FF5050RGBW-120AP-55						
A3	PCB size	WHOLE SHEET	2017/5/25				
	P#WCN-FF5050RGBW-120AP-55						
A4	CUS PART No. And Notes	WHOLE SHEET	2017/6/7				
	P#WCN-FF5050RGBW-120AP-55						
REMARK		P# WCN-FF5050RGBW-120AP-55					PAGE:3 of 10

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 5050 RGB, 60pcs 5050 White
- PCB material : FPCB

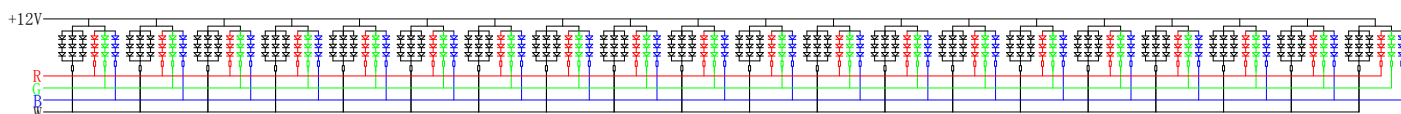
Product Picture:

Part No	Color	Surface Coating	Waterproof level	Q'ty of LEDs/PCS	Color Temp/Wavelength Typ(Kelvin/nm)	Luminous flux(LM/M)	Voltage (V DC)	Power (W/PCS)
WCN-FF5050RG BW-120AP-55	Natural White + RGB	With Silicon	IP65	120	620-630NM/515-530NM;460-470NM/5000-5500K	140 min	12	28.8

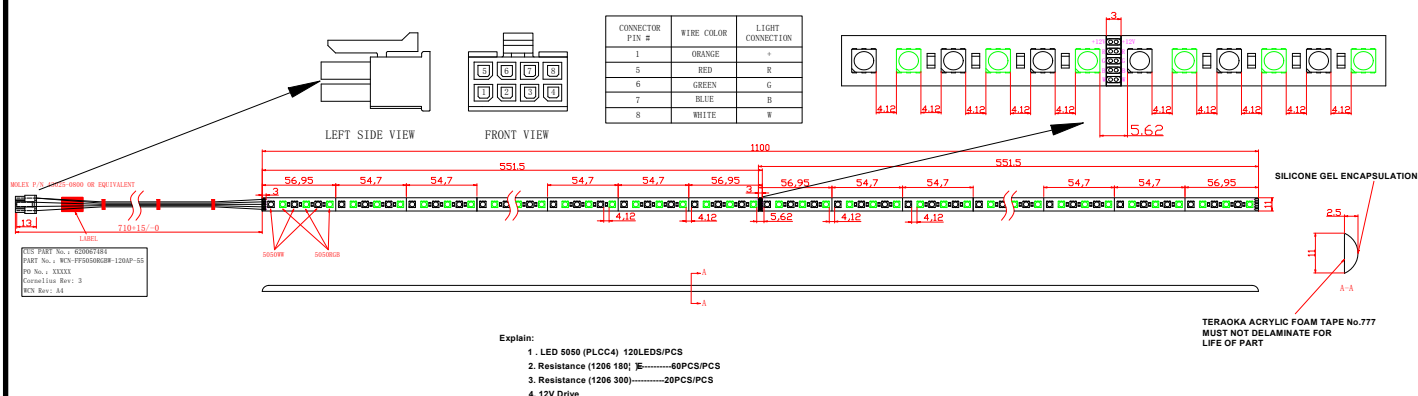
LED STRIP LIGHT

APPEARANCE			PCB Material	FPCB
Description	Lens Color	Waterproof level	Led Emitted Color	Natural White + RGB
White + RGB	Water clear	IP 65	Driver Mode	12V DC
			Packing	1 PCS per roll

Circuit Diagram:



Outer Dimension:



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

2.ALL WIRE GAUGE 22 AWG, UL1007.

3.ALL TERMINALS TIN PLATED BRASS. ALL TERMINALS / SOLDER JOINTS MUST WITHSTAND UL486A PULL TEST AFTER CRIMPING.

4.ALL MATERIALS MUST BE UL/CSA LABELED.

5.ANY CHANGES IN METHOD OF MANUFACTURING MUST BE APPROVED BY CORNELIUS ENGINEERING DEPARTMENT.

6. ADD LABEL WITH PART AND REVISION LEVEL WHERE SHOWN.

7.MUST OPERATE WITHOUT A SEPARATE HEATSINK.

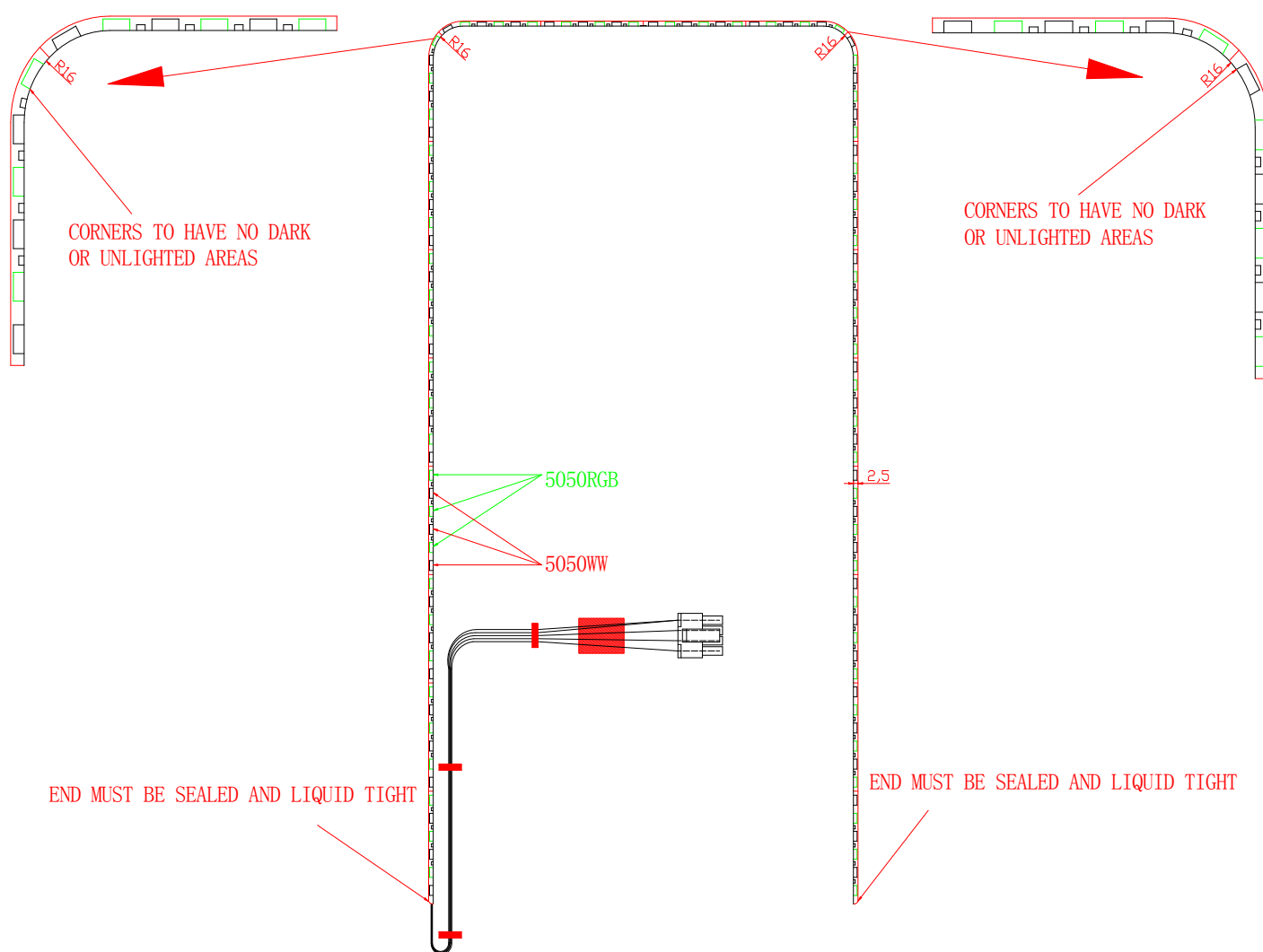
8.ALL MATERIALS MUST BE UL/CSA LABELED.

9.LEDS SHOULD NOT EXHIBIT YELLOWING OVER LIFE OF THE ASSEMBLY.

10.WIRE LENGTH TOLERANCE PER IPC-620A.

LED STRIP LIGHT

Outer Dimension:



LED STRIP LIGHT
ABSOLUTE MAXIMUM RATINGS AT TA=25°C

Parameter	Symbol	Rating	Units
Input Voltage	V	12 DC	V
Forward Current	I _F	50	mA/smd
Input Frequency	F	---	Hz
Power Dissipation	P	28.8	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
Light output of strip	IV	140	---	---	Lm/m
Total Length	L	---	1	---	PCS/roll
Estimated Life [1]	Life	---	50000	---	hour
Optimized Thermal Management(Body Temperature)	/	-20	---	40	°C

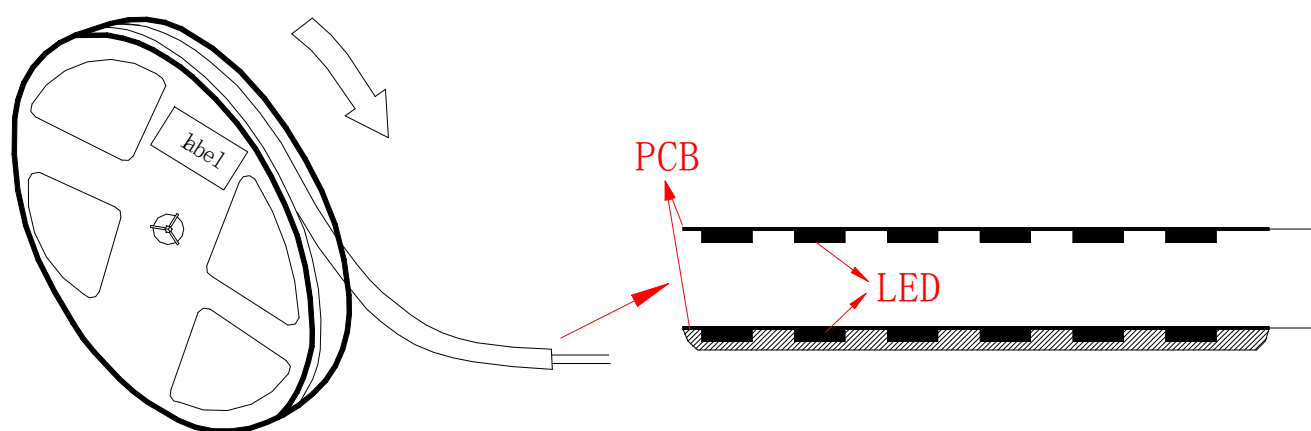
Notes:

1. Test Condition: Ta=25°C RH<75%RH IfR = 16 mA IfG = 14mA IfB = 10 mA IfW = 60 mA (MIL-STD-19500D)

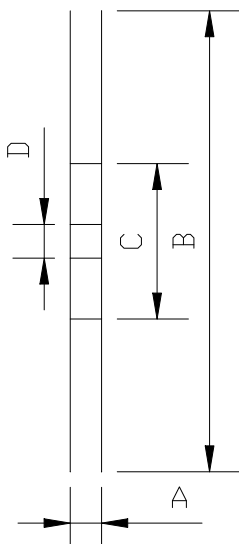
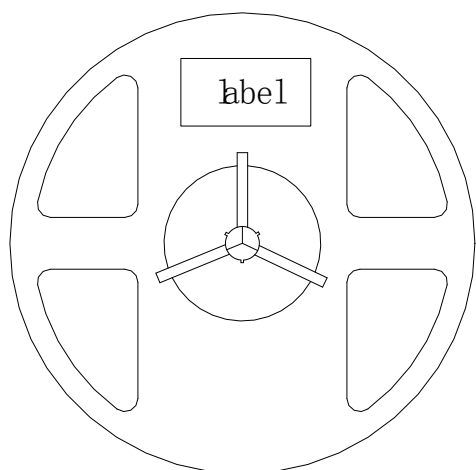
LED STRIP LIGHT

■ Packaging Specifications:

Carrier Tape Dimensions:



Reel Dimension:



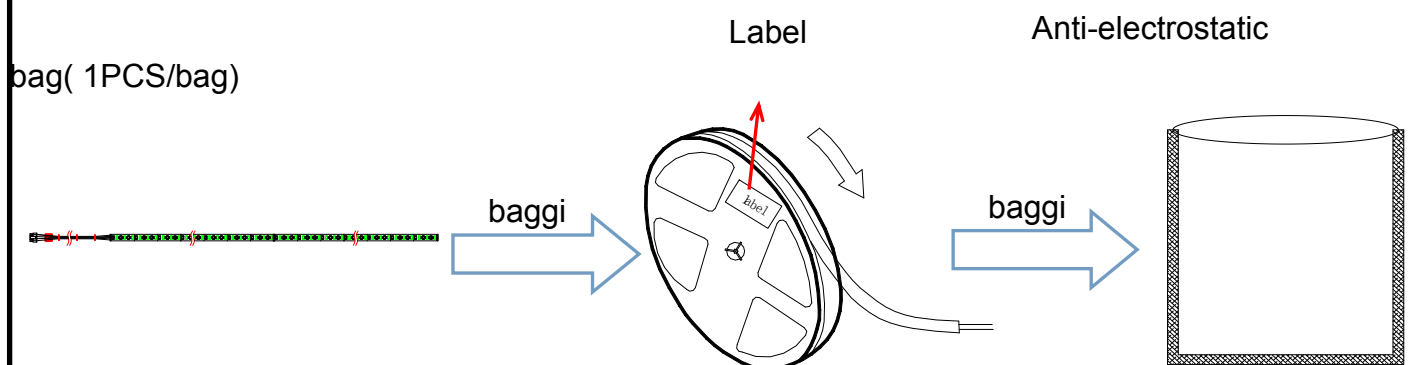
A	16.2±0.1mm
B	178±1mm
C	60±1mm
D	21.0±0.5mm

NOTE:

- 1.The tolerances unless mentioned $\pm 0.1\text{mm}$. Unit : mm
2. 1 PCS/ROLL.

LED STRIP LIGHT

Moisture Resistant Packing Process:



size:240*240*0.1mm



Label2

sealing



packing Inner Cartons
7 Bags(7PCS)/1Inner Carton
size:260*225*115mm

packing Outside Carton
8 Inner Cartons(56PCS)/1 Outside Carton
size:545*470*245mm



sealing



Label3


WCN Opto Group Co., Ltd
LED STRIP LIGHT
Label1:

WCN Opto Group Co., Ltd	
CUS P/N: 620067484	
MFR P/N: WCN-FF5050RGBW-120AP-55	
PO No.: (PO No.)	
Color:	Red;Green;Blue;White
LED QTY:	120LEDs/PCS
VOLTAGE:	12V DC
IP RATE:	IP65
Package:	1PCS/ROLL
LOT No.:	(Made Date)

Label2:

WCN Opto Group Co., Ltd	
CUS P/N: 620067484	
MFR P/N: WCN-FF5050RGBW-120AP-55	
PO No.: (PO No.)	
Color:	Red;Green;Blue;White
LED QTY:	120LEDs/PCS
VOLTAGE:	12V DC
IP RATE:	IP65
Package:	(Packing Quantity)
LOT No.:	(Made Date)

Label3:

CUS P/N:	620067484		
MFR P/N:	WCN-FF5050RGBW-120AP-55		
PO No.:	XXXXXXXXXX		
QTY:	XXXXXXXXXX		
LOT No.:	XXXXXXXXXX		
NW:	XXXXXX	GW:	XXXXXX
C/NO:	XXXXXX	Of:	XXXXXX
MADE IN CHINA			

