

## SPECIFICATION FOR APPROVAL

Model : D360 12V 8mm Eco series  
Version : A00  
Date : 25/Mar/17

Approval \_\_\_\_\_ Audit \_\_\_\_\_ Trial \_\_\_\_\_ TAB \_\_\_\_\_



# Guide

◆	General .....	3
◆	Speci fi cati on.....	4
◆	Performance Parameter.....	6
◆	Accessories Information.....	8
◆	Packi ng.....	9
◆	Attenti ons.....	10

## General


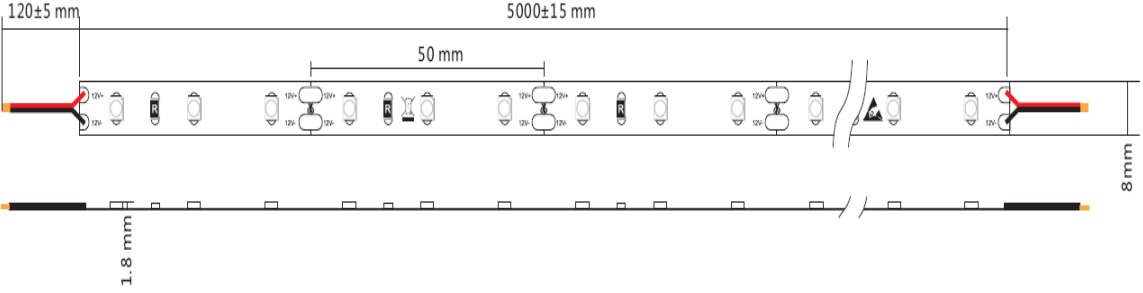

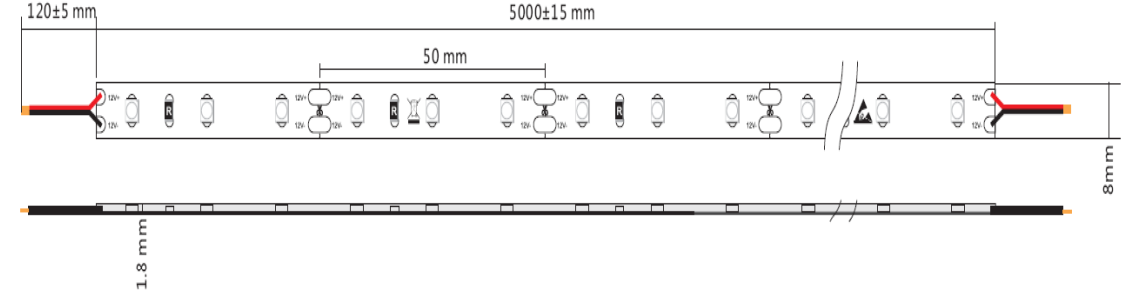

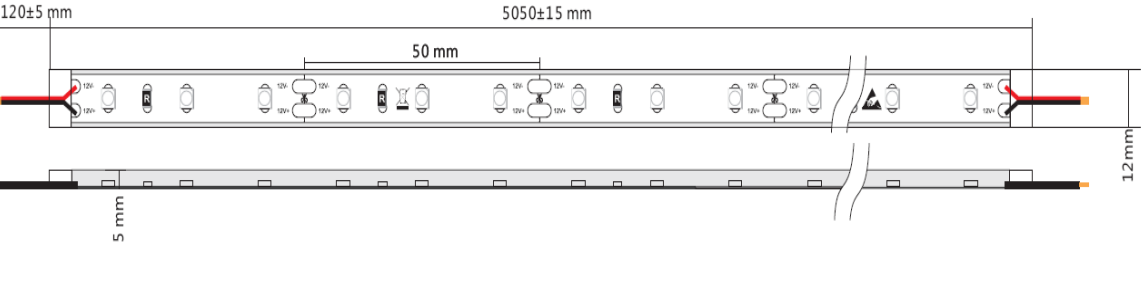


### D360

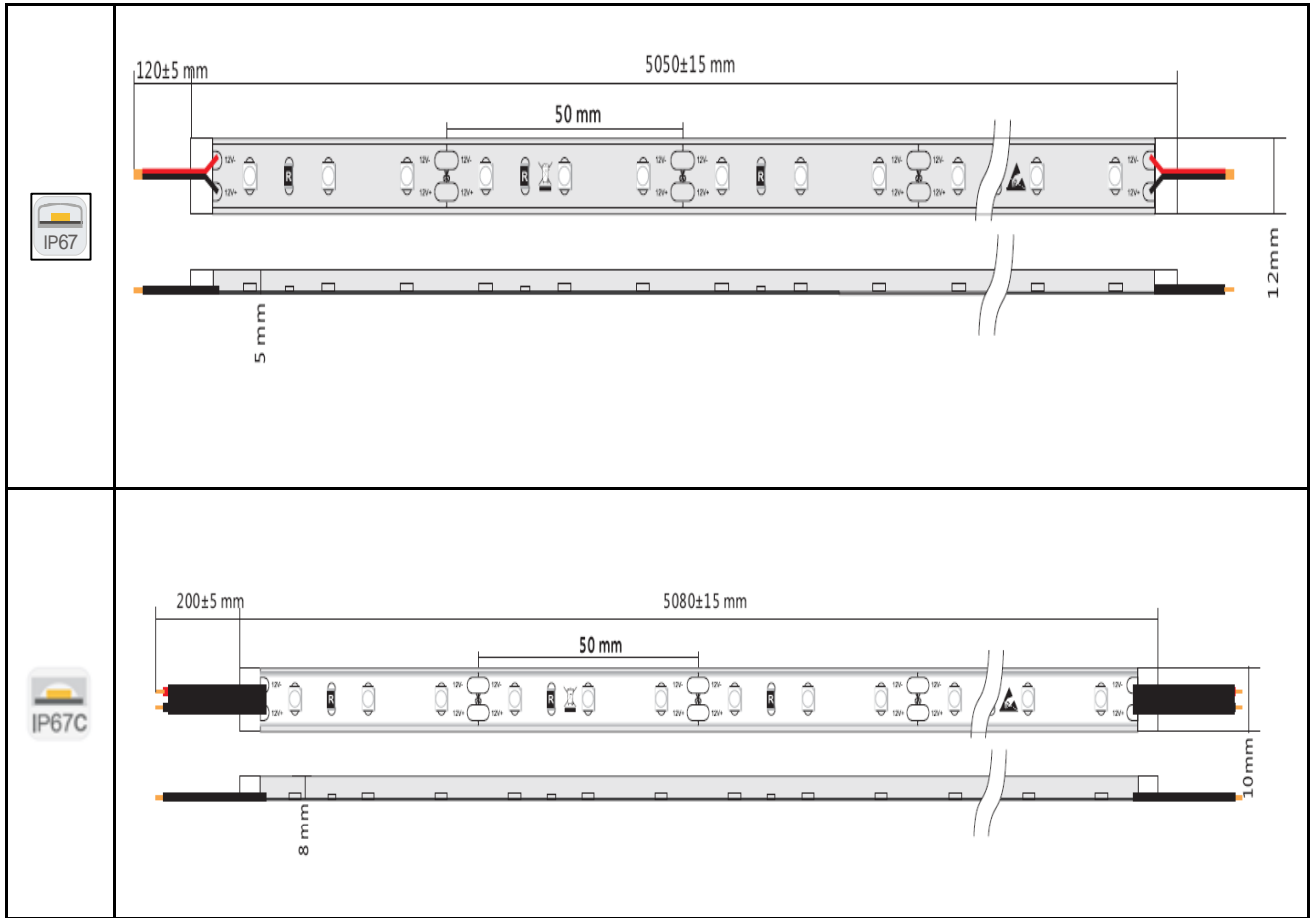
Eco series, designed for indoor decorative lighting, is of stable performance, exceptional quality and high cost performance.

Besides meeting the basic needs of illumination, it creates pleasant space atmospheres as well through being integrated in partial decorative lighting situation like ceilings, wall edges, wall corners and furniture edges.

# Speci fi cati on(1)

# Speci fi cati on(2)



## Performance Parameter(1)

Products series	Order code	CCT	CRI	Lumens(LM/M)	LEDs/m	VDC	current rating	Power (W/M)	Cutting size(mm/U)
D360 IP33	D360LW812A-IP33	2200-2400K	>80	330	60	12	0.4	4.8	50
	D360NW812A-IP33	2600-2800K	>80	330					
	D360WW812A-IP33	2800-3200K	>80	330					
	D360DW812A-IP33	3800-4200K	>80	360					
	D360MW812A-IP33	4800-5300K	>80	365					
	D360W812A-IP33	5800-6500K	>80	370					
D360 IP55	D360LW812A-IP55	2200-2400K	>80	300	60	12	0.4	4.8	50
	D360NW812A-IP55	2600-2800K	>80	300					
	D360WW812A-IP55	2800-3200K	>80	300					
	D360DW812A-IP55	3800-4200K	>80	320					
	D360MW812A-IP55	4800-5300K	>80	325					
	D360W812A-IP55	5800-6500K	>80	330					
D360 IP65	D360LW812A-IP65	2200-2400K	>80	305	60	12	0.4	4.8	50
	D360NW812A-IP65	2600-2800K	>80	295					
	D360WW812A-IP65	2800-3200K	>80	300					
	D360DW812A-IP65	3800-4200K	>80	330					
	D360MW812A-IP65	4800-5300K	>80	340					
	D360W812A-IP65	5800-6500K	>80	345					
D360 IP67	D360LW812A-IP67	2200-2400K	>80	330	60	12	0.4	4.8	50
	D360NW812A-IP67	2600-2800K	>80	330					
	D360WW812A-IP67	2800-3200K	>80	330					
	D360DW812A-IP67	3800-4200K	>80	345					
	D360MW812A-IP67	4800-5300K	>80	350					
	D360W812A-IP67	5800-6500K	>80	360					

### Notes:

1. The parameter of luminous flux is the testing result of IP33, 6000K
2. Photometric standards are based on CIE eye sensitivity curve diagram test;











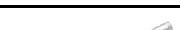







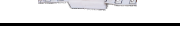








## Performance Parameter(2)

Products series	Order code	CCT	CRI	Lumens(LM/M)	LEDs/m	VDC	current rating	Power (W/M)	Cutting size(mm/U)
D360 IPNANO	D360LW812A-IPNANO	2200-2400K	>80	305	60	12	0.4	4.8	50
	D360NW812A-IPNANO	2600-2800K	>80	305					
	D360WW812A-IPNANO	2800-3200K	>80	305					
	D360DW812A-IPNANO	3800-4200K	>80	310					
	D360MW812A-IPNANO	4800-5300K	>80	320					
	D360W812A-IPNANO	5800-6500K	>80	330					
D360 IP67C	D360LW812A-IP67C	2200-2400K	>80	330	60	12	0.4	4.8	/
	D360NW812A-IP67C	2600-2800K	>80	330					
	D360WW812A-IP67C	2800-3200K	>80	330					
	D360DW812A-IP67C	3800-4200K	>80	345					
	D360MW812A-IP67C	4800-5300K	>80	350					
	D360W812A-IP67C	5800-6500K	>80	360					

### Notes:

1. The parameter of luminous flux is the testing result of IP33, 6000K
2. Photometric standards are based on CIE eye sensitivity curve diagram test;

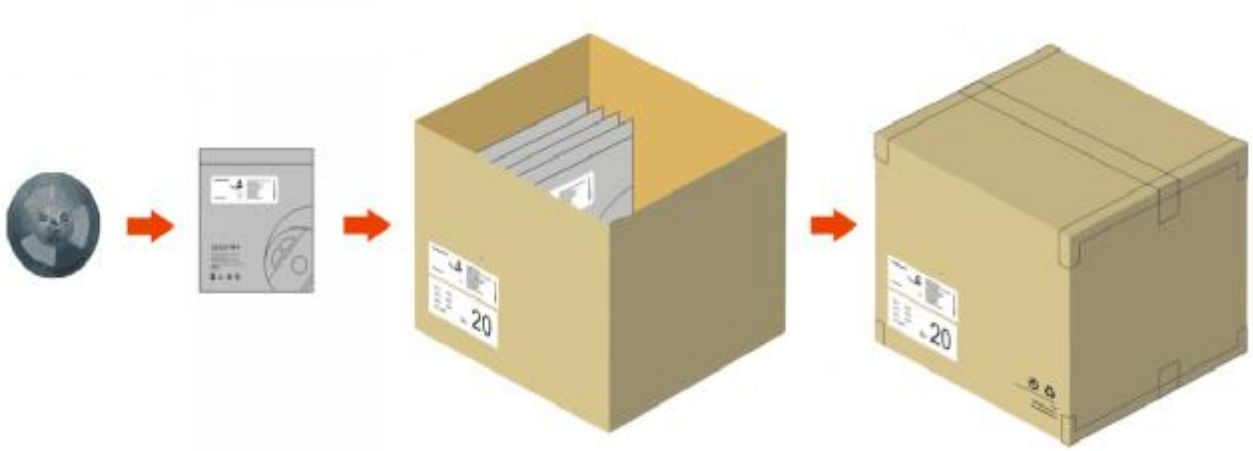
# Accessories Information

Type	Name	Picture	Code	Color	IP	Remark
Wire	two core red/black wire		94.31.20201201(head line) /94.31.20201202 (tail line)	red/black	IP33/IP55	20AWG L=120mm 电流3A
	two core SM ale head line		94.34.20182101	red/black	IP33	20AWG L=150mm
	two core SM Female head line		94.34.20182102	whi te/black	IP33	20AWG L=150mm
	two core DC ale head line		94.35.22182101	whi te/black	IP33/IP55	20AWG L=150mm
	two core DC Female head line		94.35.22182102	whi te/black	IP33/IP55	20AWG L=150mm
	two core PVC ale head line		/	whi te	IP55	20AWG L=150mm
	two core PVC Female head line		/	whi te	IP55	20AWG L=150mm
	2 core Crystal line		94.32.20182001	transparent	IP55/IPNANO	20AWG L=200mm
	two core Crystal ale head line		94.35.23182401	transparent	IP55/IPNANO	20AWG L=150mm
	two core Crystal FEMALE head line		94.35.23182402	transparent	IP55/IPNANO	20AWG L=150mm
	Wire connector		94.50.110300001	red/black	-	external di ameter<2.1m
	Wire connector		94.50.110000001	red/black	-	external di ameter<2.1m
	Wire connector		94.50.210300001	red/black	-	external di ameter<2.1m
	Wire connector		94.50.210000001	red/black	-	external di ameter<2.1m
Connector	IP33 Solder free terminal		94.41.210815101	whi te	IP33	-
	IP33 Solder free terminal		94.41.200800001	whi te	IP33	-
	IP33 Solder free terminal		94.50.220100801	whi te	IP33	-
	IP33 Solder free terminal		94.50.220300801	whi te	IP33	-
	IP33 Solder free terminal		94.50.200200801	whi te	IP33	-
	IP55 Solder free terminal		94.42.200800001	whi te	IP55	-
	IP55 Solder free terminal		94.42.210815101	whi te	IP55	-
	IP55 Solder free terminal		94.42.220815101	whi te	IP55	-
Fixed parts	8mm Fixed clasp		94.19.00080001	transparent	IP55/IP65/IP67	-
	8mm Tube clamps		94.19.00080002	transparent	IP33	-
	8mm No silicone hole plug		94.18.01080001	transparent	IP65/IP67	-
	8mm Silicone single hole plug		94.18.01080002	transparent	IP65/IP67	-
	Stopper glue		94.16.03010001	transparent	IP65/IP67	-



# Pack ing

## 1、IConventional packaging of IP33, IP55, IPNANO, IP67C



## 2. Engi neeri ng packagi ng of IP67C

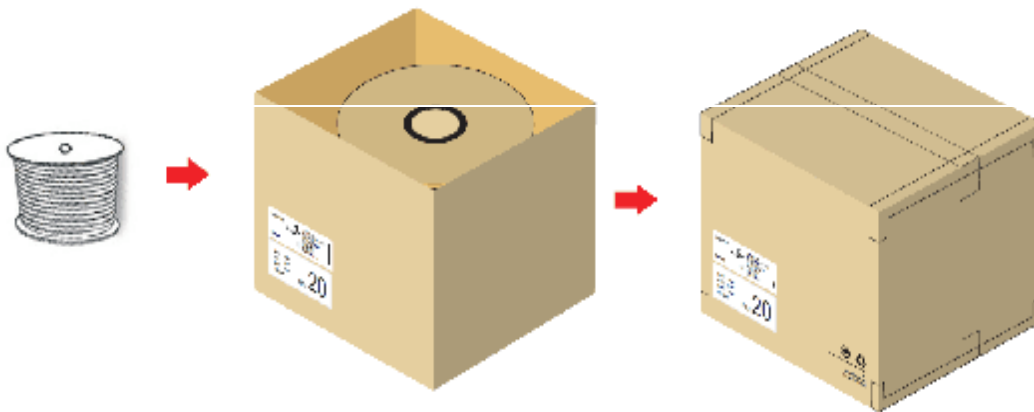
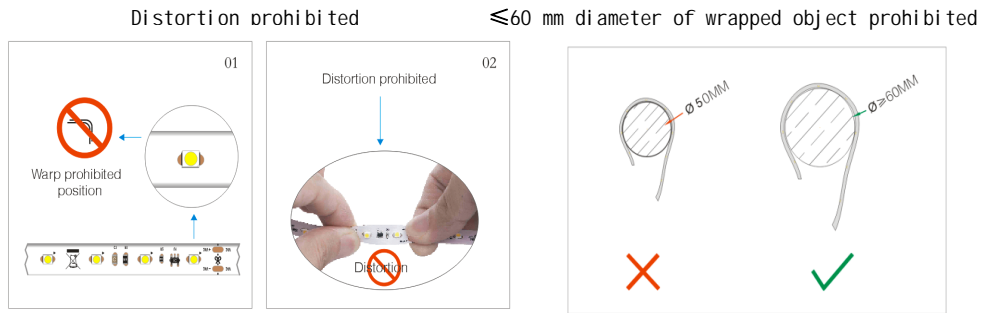


图2

规格	型号	卷/箱 (PCS)	净重/箱 (Kg/box)	毛重/箱 (Kg/box)	纸箱规格 (LxWxH, Unit: mm)	每箱体积 (立方米)
D360 Conventi onal packagi ng	D360XXX12A-IP33/NANO	60	6.66	7.61	410*410*260	0.044 <sup>3</sup>
	D360XXX12A-IP55	60	9.78	10.73	410*410*260	
	D360XXXXXA-IP65	40	10.00	10.76	410*410*260	
	D360XXXXXA-IP67	40	14.92	15.68	410*410*260	
	D360XXX12A-IP67C	25	11.125	11.865	50*29*29	0.042 <sup>3</sup>
D360 Engi neeri ng packagi ng	D360XXX12A-IP67C	-	-	-	-	-

## Attentions



## Common fault lookup tables

Number	Failure phenomenon	Possible causes	Solution
1	All LED does not light or no color changing	Switching power supply without power	Power-on
		Reversed polarity lamp belt	Wiring correcting
		External power supply bus short circuit, switching power supply automatic short-circuit protection	check of short circuit fault, re-transmission
		Power fuse burned	Replace the fuse
2	Part of the LED lamps does not light or no color changing	Part of switch power supply without power	Check the power supply system, troubleshooting
		Part of power supply line lamp string error	Check the power supply line, troubleshooting
3	LED doesn't give same average brightness or low luminance	Power overload	Add power
		Too much power loss of switching circuit	Using thick wire, or adjust the power position (move closer to strip), ensure that every 5 meters of strip obtains over 95% of the rated voltage
		Overmany series connection of LED strips	Adjusting the number of each power supply branch lamp, meet the requirements of each power supply circuit with the maximum lamp
4	LED flash	Bad wiring connection	Find out bad connection, troubleshooting
5	Individual LED failed	Electrostatic breakdown	Check associated electrical appliances and earthing well, and replace the broken LED
		Equipment for induction electric (or leakage) breakdown	Check associated electrical appliances and earthing well, and replace the broken LED

## Disclaimer

- ◆ Please use 12VDC isolated power supply to drive the led strip, and the constant voltage source ripple less than 5%.
- ◆ Can't step-down the power by resistance-capacitance and nun-isolated power supply driver led strip, etc.
- ◆ To ensure the longevity and reliability of the strips, please do not bend the arc diameter 60mm or less, do not fold to avoid damaging the lamp beads or broken.
- ◆ To ensure the life and environment of lights, in the use of force can not pull the power cord to avoid damage prohibit collision LED lights.
- ◆ During the installation of positive and negative attention to the power cord, do not pick the wrong voltage power supply and the product are the same, so as to avoid damage to the product.
- ◆ LED lights should be stored in dry sealed environment, the proposed storage period should not be too long before using unpacking, the ambient temperature:  $-20\text{ }^{\circ}\text{C} \sim +45\text{ }^{\circ}\text{C}$ , Storage temperature:  $-0\text{ }^{\circ}\text{C} \sim +60\text{ }^{\circ}\text{C}$ , not waterproof lights ban indoor use, relative humidity not higher than 70%.
- ◆ In practical applications, the power supply should leave 20% margin (recommend using only 80% of the power) in order ensure a sufficient amount of voltage drive products
- ◆ Do not use any acidic, alkaline adhesive securement products (including not limited to glass, plastic, etc).



TEL : +86 755-2613 5888

E-mail : [sales@colorsled.com](mailto:sales@colorsled.com)

ADD : Room 1201 Block A, Kingkey Timemark, Futian District,  
Shenzhen, Guangdong, China.

R & D CENTER Building A1 Jiushun Industrial Park Shiyan Baoa' n  
District Shenzhen City,China.

ADD: Huacai Industrial Park, Daqiao Town, Jiangdu District, Yangzhou  
Jiangsu. China.



[www.colorsled.com](http://www.colorsled.com)