Specification

D4120-24V-8mm

c**UL**us
LISTED
E498657

CE

RoHS

ISO 9001
QUALITY ASSURED FIRM
SGS

COLORS® Linear Lighting

▼General description

●Unilateral lighting strip，Luminance efficiency up to 110LM/W

●With life span over 36000H

●Widely used in advertising, decoration and other scenes

●Ta: -25~40°C；Tc：75°C（max）

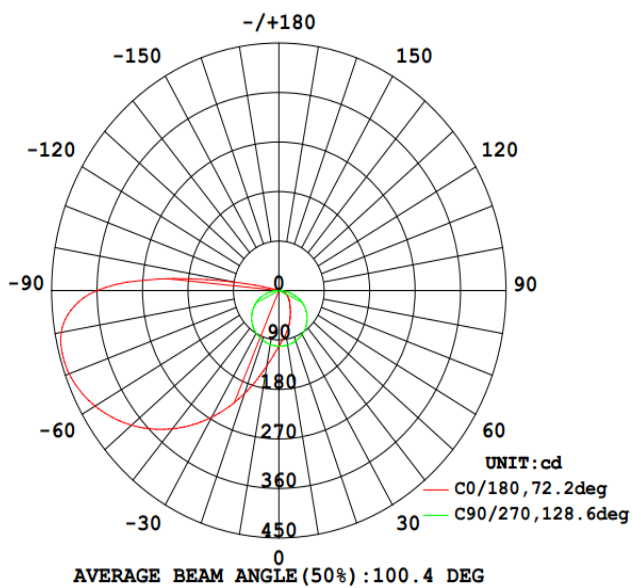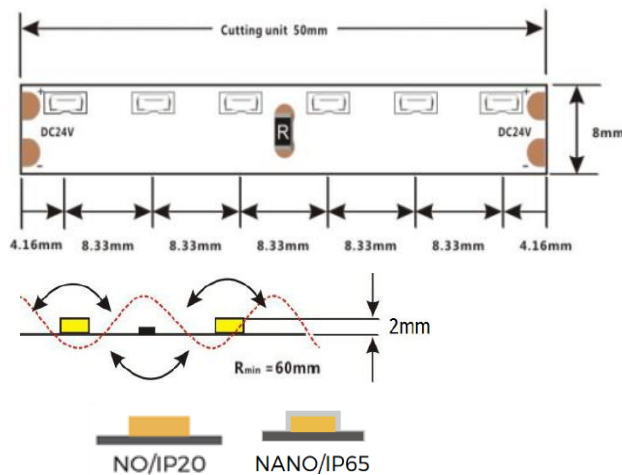## ▼Dimension

※Max.length： 5000mm

Cutting unit： 6leds/50mm

LED pitch： 8.33mm

Min. bend diameter：Φ60mm

Mounting： 3M tape
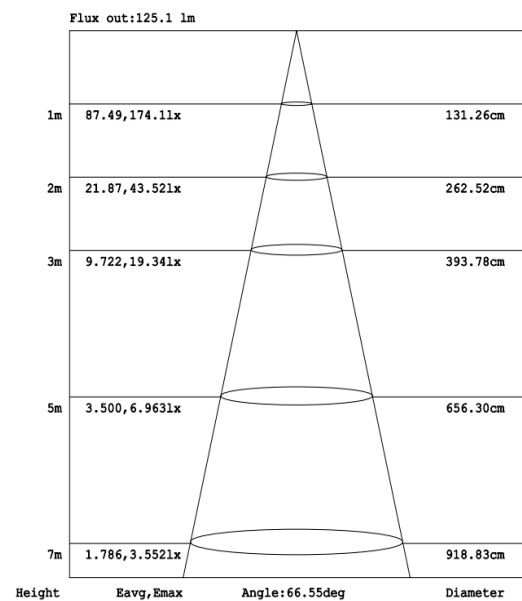
IP： IP20/IP65

※Warranty： 3years

Cutting unit 50mm

DC24V   R   DC24V   8mm

4.16mm 8.33mm 8.33mm 8.33mm 8.33mm 8.33mm 4.16mm

2mm

Rmin =60mm

NO/IP20   NANO/IP65

UNIT:cd
— C0/180,72.2deg
— C90/270,128.6deg

AVERAGE BEAM ANGLE(50%):100.4 DEG

Photometric of 1M strip

Flux out:125.1 lm

Height	Eavg,Emax	Angle:66.55deg	Diameter
1m	87.49,174.11x		131.26cm
2m	21.87,43.52lx		262.52cm
3m	9.722,19.34lx		393.78cm
5m	3.500,6.9631x		656.30cm
7m	1.786,3.5521x		918.83cm

AAI Figure

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

![COLORS Linear Lighting logo]

▼Electronic & output data

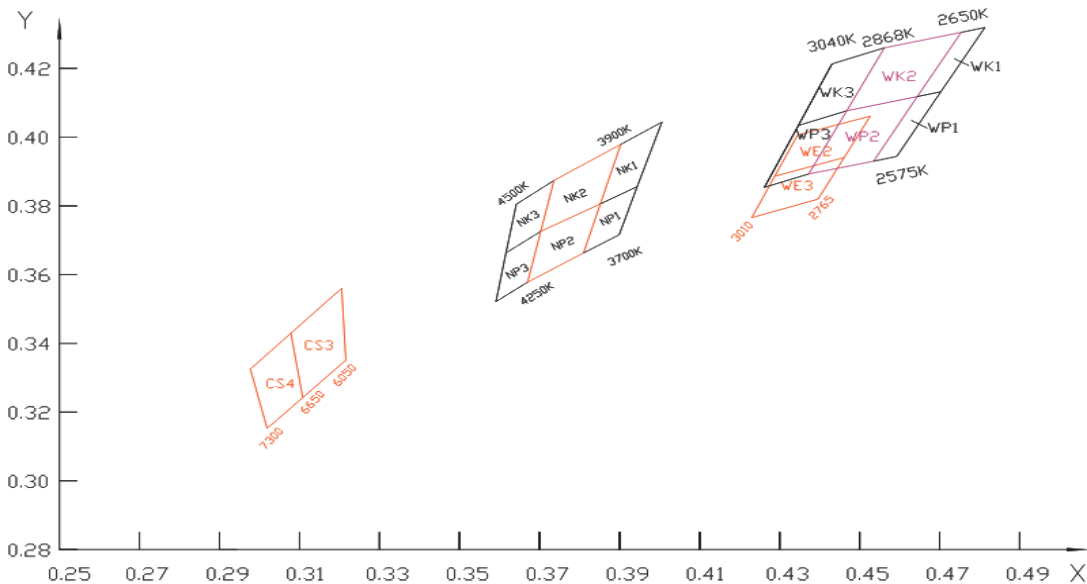|			
Input voltage:	DC24V	Rated current:	0.35A(1m) /1.52A(5m)
Typical Powe:	8.4W(1m) /36.48W(5m)	CRI:	>80
Max.power:	9.6W/m	On-off times:	10000 (test times)
Power range:	7.7～9.1W/m	Copper foil:	2oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	SW	2700K	848	101	A+
Ra>80	WW	3000K	894	106	A+
Ra>80	NW	4000K	921	110	A+
Ra>80	W	6500K	894	106	A+
0	R	625-630nm	/	/	/
0	G	525-530nm	/	/	/
0	B	465-470nm	/	/	/

1.The tolerance of output data can be vary up to 15%
2.the output data tested according to IES TM-30-15
3.the output data is based on IP20/1merter, data of 5m in only for reference
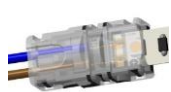4.IP protection process leads changes to size, CCT and luminous flux

▼BIN

▼IP Process

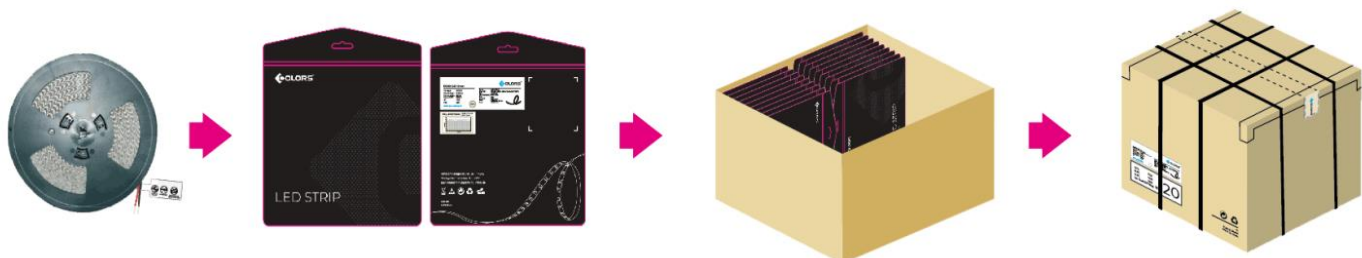| IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	NO/IP20	No proof	8mm*1.5mm	2700K/3000K/4000K/6500K/R/G/B	100%
NA	NANO/IP65	Nano-proof	8mm*1.5mm	2700K/3000K/4000K/6500K/R/G/B	98%

▼Accessories Information

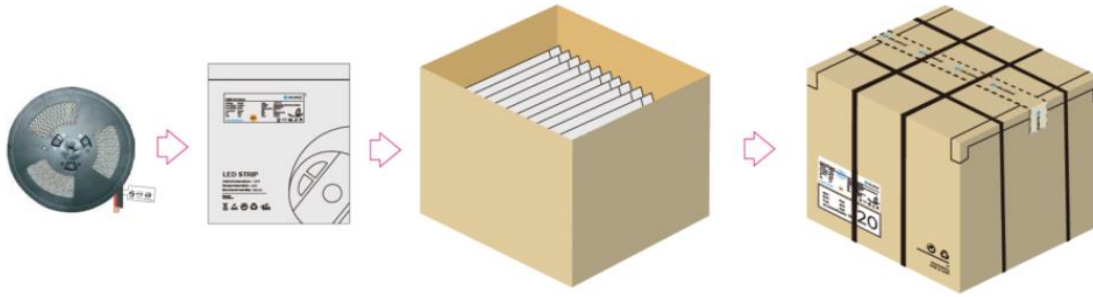| Name	Picture		Code	description
Connector for wire and FPC			94-42-620800001	8mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG
Connector for FPC and FPC			94-42-620800002	8mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA
Fixed Clip			94-02-00-0017	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 8mm FPC,NO/NA LED strip

▼Order Code Formats

1：Category		2：LED		3：LED/m		4：Voltage		5:FPC Width		6：IP Process		7：CRI		8：CCT	
D	-	4	3014	120	120 LED	24	24V	08	8mm	NO	NO	8	>80	SW	2700K
										NA	NANO			WW	3000K
														NW	4000K
														W	6000K
														R	Red
														G	Green
														B	Blue
D	-	4		120		24		08		NO		8		SW	

9：Silk Printing		10：Entery cable		11：Wire type		12：Wire length		13：Tape type		14：Label Type		15：Strip Length	
N	Neutral	S	Single	A	red and black cable	012	12cm	W	White 3M	C	COLORS	0500	5m
C	COLORS	D	Doubel	B	SM-male wire	020	20cm	Y	Yellow 3M	S	Customized	5000	50m
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape			4000	40m
				X	Nothing	100	100cm	X	Nothing				
						0	Nothing						
N		S		A		012		W		C		0500	

D41202408NO-8SWNSA012WC0500

▼Packing

Colors brand package

General customized package

IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	5000*8*1.5	5	300	0.115	6.9	7.935	41*41*26
NA	5000*8*1.6	5	300	0.117	7.02	8.073	41*41*26

Remark：data with 10% tolerance

▼Precautions

※ Please drive the led strip with 24VDC isolated power, and the ripple of the constant voltage source should be less than 5%.

※ Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability.

※ Do not fold it in case any damage of LED beads.

※ Do not pull the power wire hard to ensure the longevity. Any Crash may damage the LED light is prohibited.

※ Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip to avoid damage.

※ LED lights should be stored in dry, sealed environment. Please only unpack it before usage. Ambient temperature: -25℃~40℃.Storage temperature: 0℃~60℃.Please use the strips without waterproof within indoor environment with humidity less than 70%.

※ Please be careful during operation. Do not touch the AC power supply in case of electric shock.

※ Please leave at least 20% power for the power supply during using to ensure there is enough power supply to drive the product.

※ Do not use any acid or alkaline adhesives to fix the product (e.g.: glass cement).