

Specification

Full-spectrum series-D8120



General description

1. LED full-spectrum strip
2. $CRI \geq 98, R_f \geq 96, R_g \geq 98 @ 4000K$
3. LM80 certificated, With life span over 36000H
4. $T_a: -25 \sim 40^\circ C; T_c: 75^\circ C$ (max)



Dimensions

Max.length: 5000mm

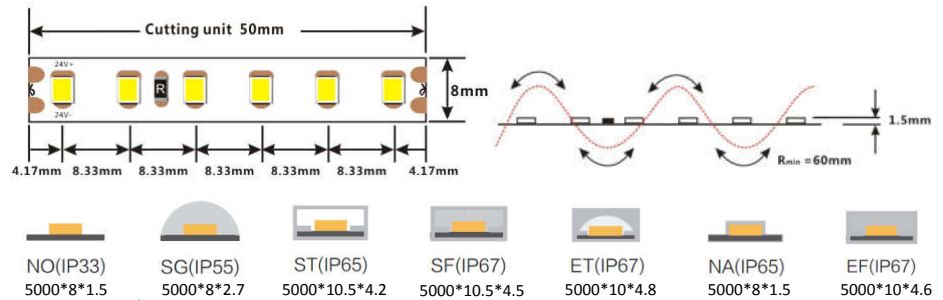
Cutting unit: 50mm/6leds

LED pitch: 8.33mm

Min. bend diameter: $\Phi 60mm$

Mounting: 3M tape

IP: IP33/55/65/67



Electronic & output data

Input voltage: 24VDC

Rated current: 0.56A(1meter) / 2.52A(5meter)

Typical Power: 13.45W(1meter) / 60.4W(5meter)

Power range: 12.5~14.4W

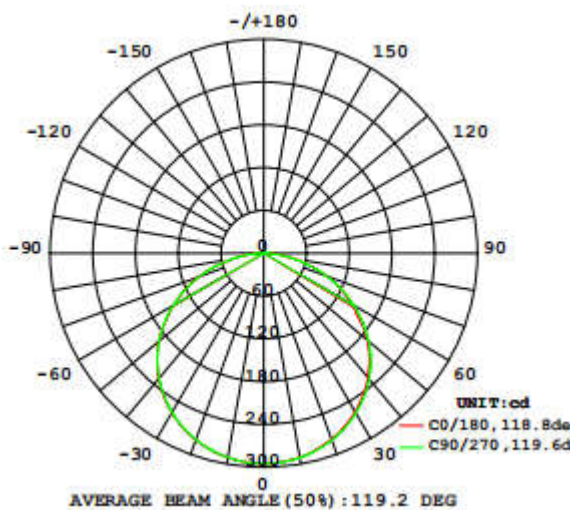
Max.power: 14.4W ($I_f=30mA$)

CRI: ≥ 98

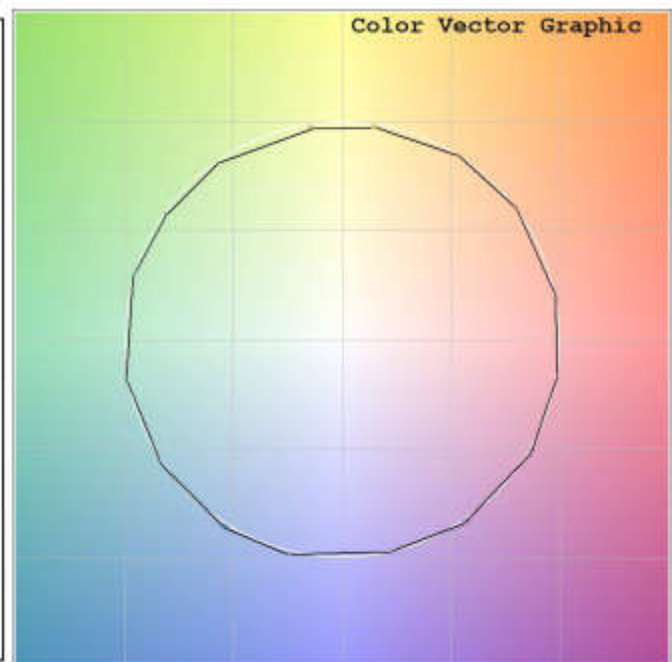
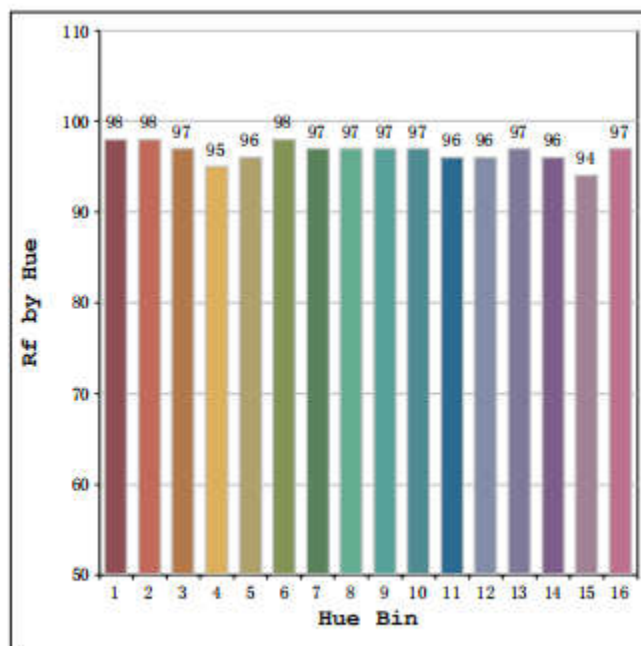
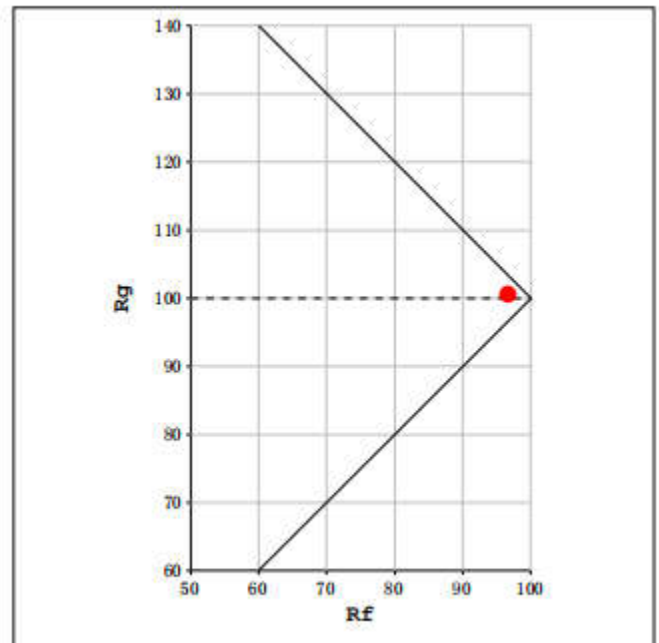
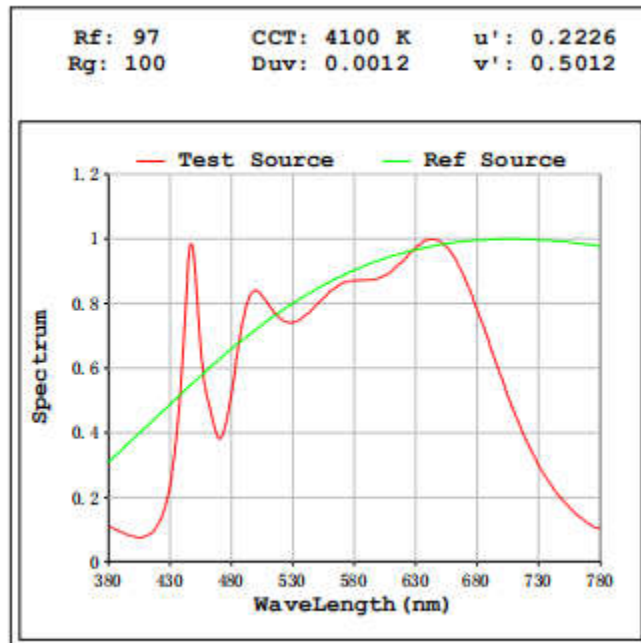
On-off times: 10000 (test times)

Color	SW	WW	NW	W
CCT	2700K	3000K	4000K	6000K(CRI95)
Lumen	860lm	910lm	960lm	950lm
lm/W	63	67	71	70
Energy efficiency	A	A	A	A

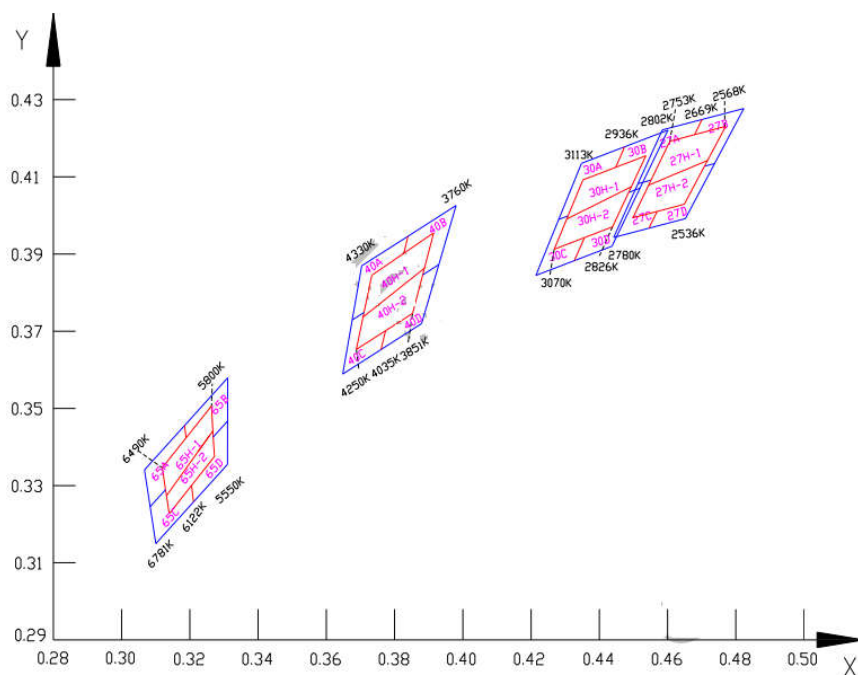
1.The tolerance of output data can be vary up to 10%
2.the output data tested according to IES TM-30-15
3.the output data is based on IP33/1meter
4.IP protection process leads changes to size, CCT and luminous flux



Height	Eavg, Emax	Angle: 118.82deg	Diameter
1m	74.25, 295.21x		338.31cm
2m	18.56, 73.801x		676.62cm
3m	8.250, 32.801x		1014.92cm
5m	2.970, 11.811x		1691.54cm
7m	1.515, 6.0241x		2368.16cm

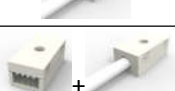


BIN



Accessories Information

Type	Name	Picture	Code	Color	protection technique	Remark
wire cable with connector	red and black cable		94.31.20201201 (head) /94.31.20201202 (tail)	red/black	NO/ST/SF/NA/SG	20AWG L=120mm
	Two core SM-male wire		94.34.20201501	red/black	NO	20AWG L=150mm
	Two core SM-female wire		94.34.20201502	red/black	NO	20AWG L=150mm
	Two core DC-male wire		94.35.20201501	black	NO/SG	20AWG L=150mm
	Two core DC-female wire		94.35.20201502	black	NO/SG	20AWG L=150mm
	Two core PVC-male wire		94.35.21201501	white	ST/SF/NA/SG	20AWG L=150mm
	Two core PVC-female wire		94.35.21201502	white	ST/SF/NA/SG	20AWG L=150mm
	Two core Lucid wire		94.32.20202001	transparent	ST/SF/NA/SG	20AWG L=200mm
	Two core Lucid-male wire		94.35.23201501	transparent	ST/SF/NA/SG	20AWG L=150mm
	Two core Lucid-female wire		94.35.23201502	transparent	ST/SF/NA/SG	20AWG L=150mm
	single pin,"-"shape wire connector		94.51.110000003	black	-	Wire Damerer< 2.1mm
	single pin,"T"shape wire connector		94.51.110000005	black	-	Wire Damerer< 2.1mm
	double pin,"-"shape wire connector		94.51.110000004	black	-	Wire Damerer< 2.1mm

		double pin,"T"shape wire connector		94.51.110000006	black	-	Wire Diameter < 2.1mm
		Split-box		94.51.110000001	-	-	-
		Quick wiring		94.51.110000002	-	-	-
		Solder free terminal		94.42.620800001	transparent	NO	-
		Solder free terminal		94.42.620800002	transparent	NO	-
		Solder free terminal		94.42.620800003	transparent	SG	-
		Solder free terminal		94.42.620800004	transparent	SG	-
		Solder free terminal		94.43.200800001	white	ET	-
		Solder free terminal		94.43.210815101	white	ET	-
		Solder free terminal		94.43.210815102	white	ET	-
Fixed parts		8mm Fixed clasp		94.19.000800001	transparent	ST/SF/SG	-
		8mm Tube clamps		94.19.010800004	transparent	NO	-
		8mm Tube clamps		94.19.010800003	transparent	SG	-
		8mm No silicone hole plug		94.18.010800001	transparent	ST/SF	-
		8mm Silicone single hole plug		94.18.010800002	transparent	ST/SF	-
		Stopper glue		94.16.030100001	-	ST/SF	-

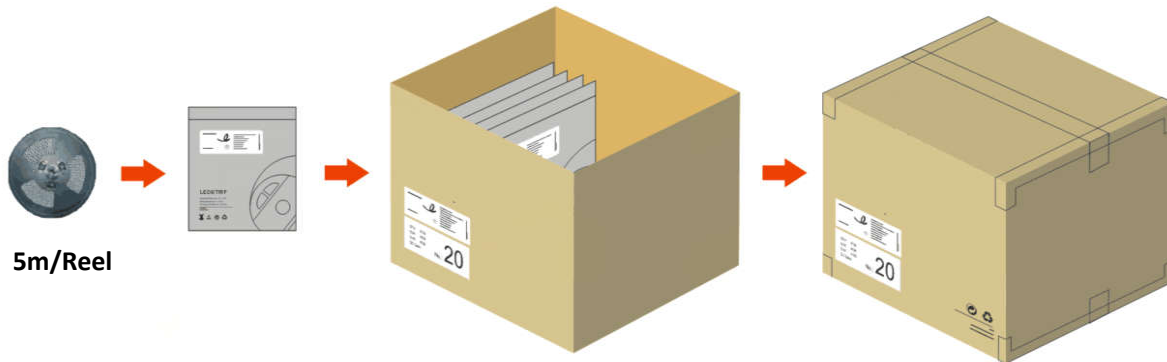
Order Code Formats

1:Category		2:LED		3:LED/m		4:Voltage		5:FPC Width		6:IP Process		7:CRI		8:CCT	
D	-	8	2835	120	120 LED	24	24V	08	8mm	NO	NO	F	Full spectrum	SW	2700K
										SG	SILICONE GLUE			WW	3000K
										ST	SILICONE TUBE			NW	4000K
										SF	SILICONE FILLED			W	6000K
										ET	Extrusion Tube				
										EF	Extrusion FILLED				
										NA	NANO				

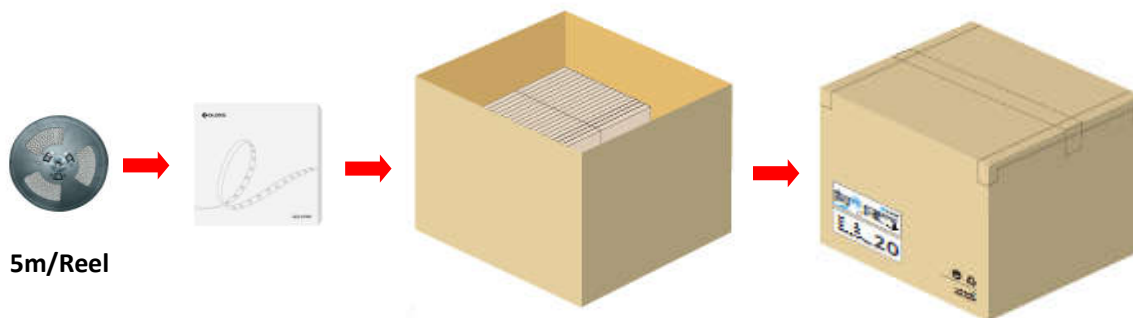
9:Silk Printing		10:Entery cable		11:Wire type		12:Wire length		13:Tape type		14:Label Type		15: Strip Length	
C	COLORS	S	Single	A	red and black cable	012	12cm	W	White 3M	C	COLORS	0050	0.5m
S	customized	D	doubel	B	SM-male wire	020	20cm	Y	Yellow 3M	S	customized	0100	1m
N	Neutral	X	Nothing	C	SM-female wire	050	50cm	R	Red tape			0200	2m
				X	Nothing	100	100cm	X	Nothing			0500	5m
						000	Nothing					5000	50m

Packing

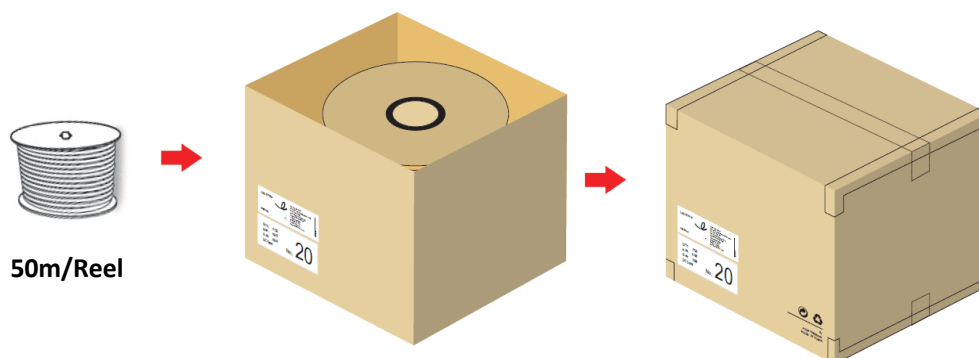
1. Non- brand of NO(IP33)/SG(IP55)/ST(IP65)/SF(IP67)/ET(IP67)/EF(IP67)/NA(IP65).



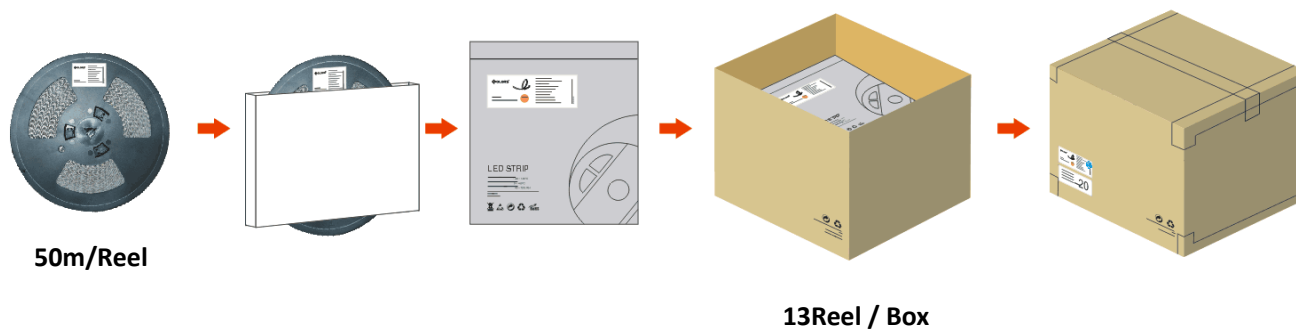
2. Brand of NO(IP33)/SG(IP55)/ST(IP65)/SF(IP67)/ET(IP67)/EF(IP67)/NA(IP65).



3. Engineering packaging of ET(IP67).(free-soldering end caps with 40 cover per box could be ordered separately if needed)



4. Engineering packaging of NO(IP33).



Disclaimer

- ※ 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: $-20^{\circ}\text{C} \sim +40^{\circ}\text{C}$. Storage temperature: $-0^{\circ}\text{C} \sim +60^{\circ}\text{C}$. 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).

