

Specification

DS8160-24V-10mm
(21.6W)



▼ General description

- High efficiency up to 153lm/w@4000K , CRI80+
- Constant current design, Same brightness from one end to another
- SDCM \leq 3, one Bin delivery, With life span over 60000H, 5 years warranty
- Ta: -25~40°C; Tc: 75°C (max)



▼ Dimension

Max.length: 5000mm

Cutting unit: 8leds/50mm

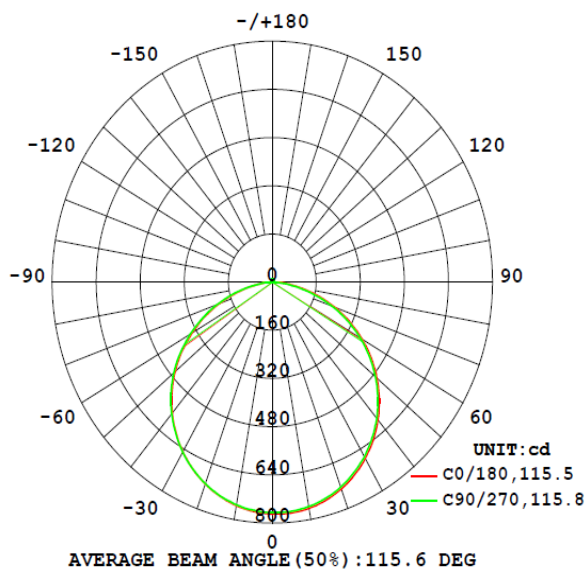
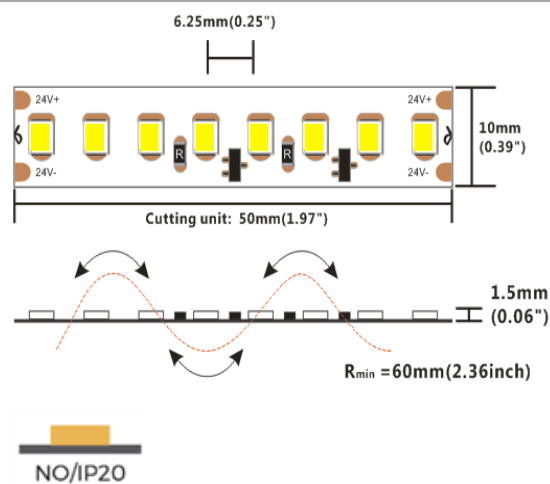
LED pitch: 6.25mm

Min. bend diameter: Φ 60mm

Mounting: 3M tape

IP: IP20

※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 115.44deg	Diameter
1m	212.0, 769.6lx		316.64cm
2m	53.00, 192.4lx		633.28cm
3m	23.56, 85.51lx		949.92cm
4m	13.25, 48.10lx		1266.57cm
5m	8.481, 30.78lx		1583.21cm
6m	5.889, 21.38lx		1899.85cm
7m	4.327, 15.71lx		2216.49cm
8m	3.313, 12.02lx		2533.13cm
9m	2.617, 9.501lx		2849.77cm
10m	2.120, 7.696lx		3166.41cm

AAI Figure

※Warranty is based on indoor use

▼Electronic & output data

Input voltage: DC24V

Rated current: 0.9A(1m) /3.6A(5m)

Typical Power: 21.6W(1m) /86.4W(5m)

CRI: >80/95

Max.power: 23.8W(1m)

On-off times: 10000 (test times)

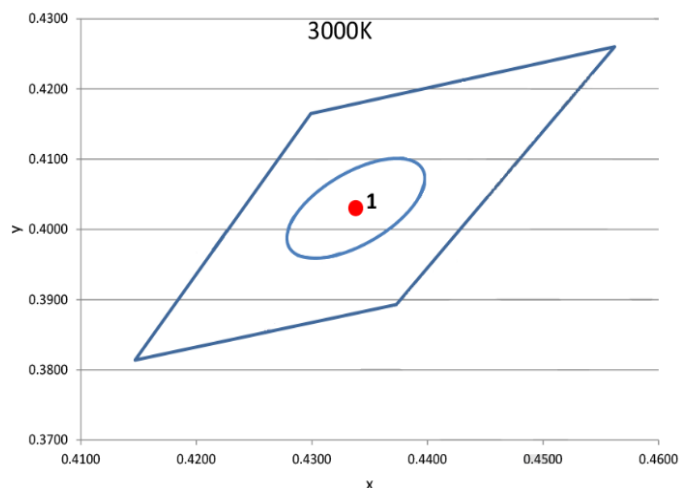
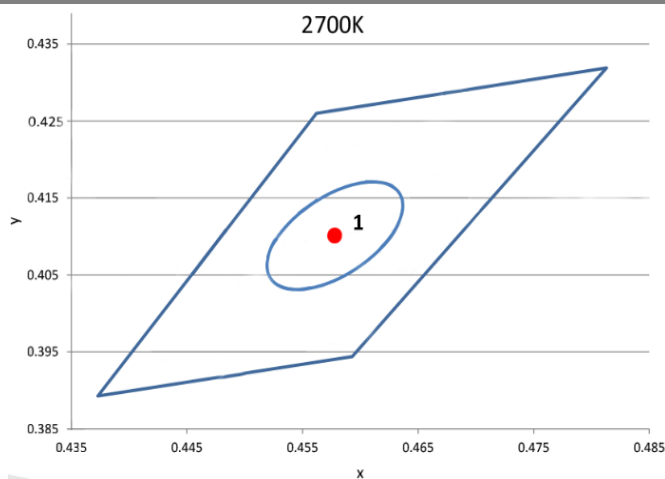
Power range: 19.4 ~ 23.8W(1m)

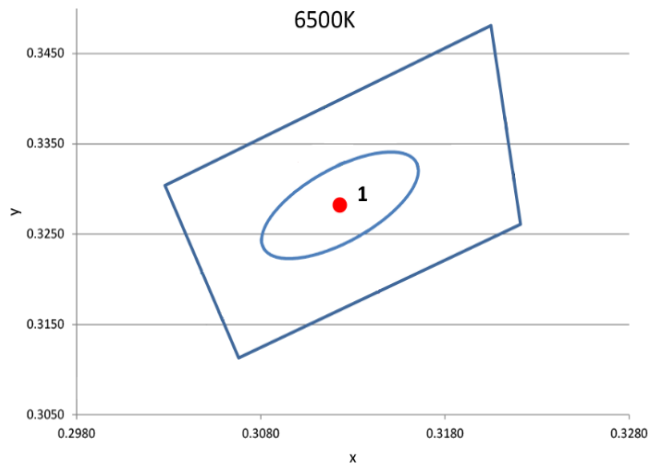
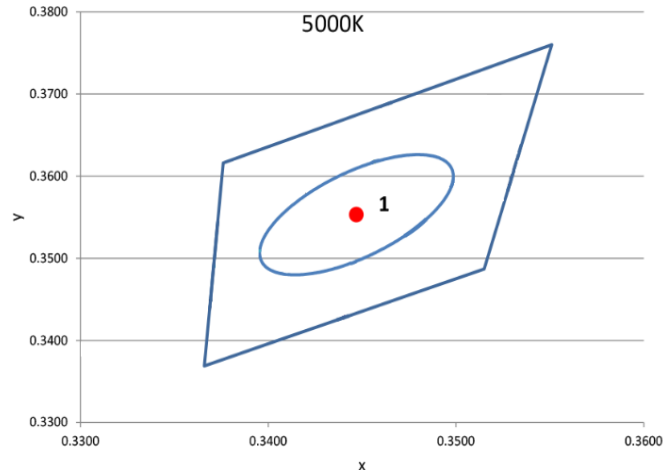
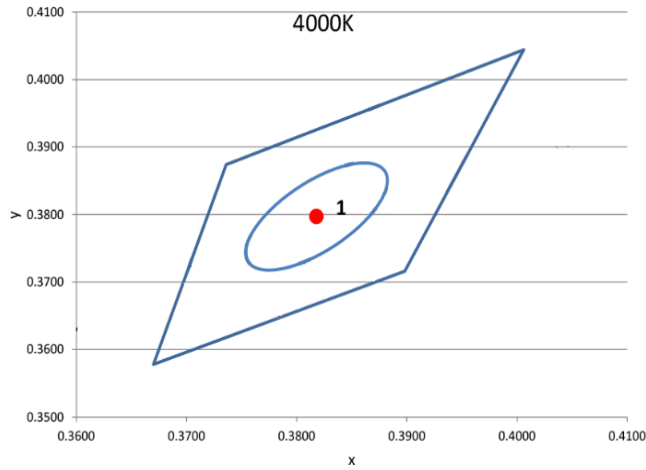
Copper foil: 3oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	SW	2700K	2850	132	E
Ra>80	WW	3000K	3000	139	E
Ra>80	NW	4000K	3135	145	E
Ra>80	W	6500K	3000	139	E
Ra>95	SW	2700K	2050	95	F
Ra>95	WW	3000K	2160	100	F
Ra>95	NW	4000K	2375	110	F
Ra>95	DW	5000K	2375	110	F


- 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 for Ra>80









▼ IP Process

IP Process	Picture	description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.5mm	2700K/3000K/4000K/5000K/6500K	100%

▼ Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0037	10mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO, 2PIN wire 18- 22AWG
Connector for FPC and FPC		94-42-621020004	10mm width, 2PIN connector of FPC and FPC, suitable for white color strip, NO

Fixed Clip		94-02-00-0003	Silicone clip, screw: PA 3*8mm, suitable for 10mm FPC, SF/ST strip
Fixed Clip		94-02-00-0018	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, NO/NA LED strip

▼Order Code Formats

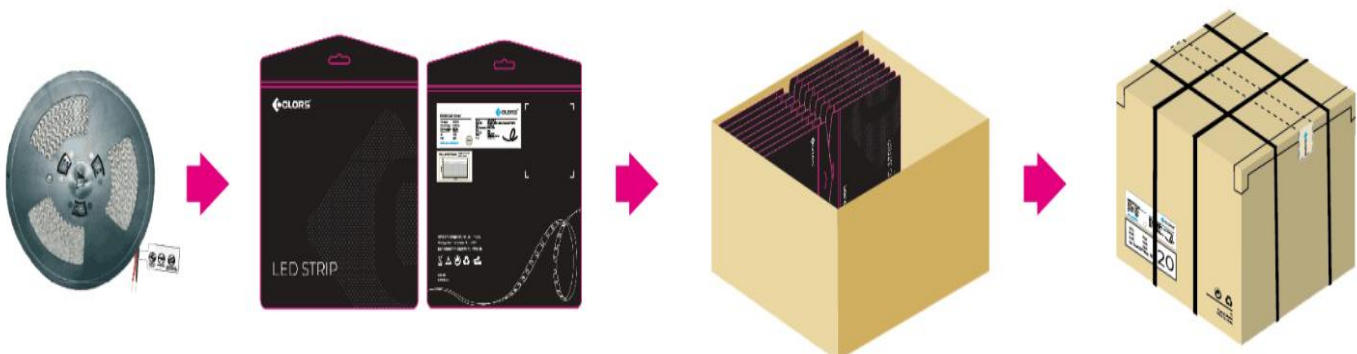
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DS	-	8	2835	160	160 LED	24	24V	10	10mm	NO	NO	8	> 80	SW	2700K
												H	> 95	WW	3000K
														NW	4000K
														DW	5000K
														W	6500K
DS	-	8		160		24		10		NO		8		SW	

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	0050	0.5m
S	Customized	X	Nothing	C	SM-female wire	050	50cm	R	Red tape			0100	1m
				X	Nothing	100	100cm	X	Nothing				
						0	Nothing						
N		S		A		012		W		C		0500	

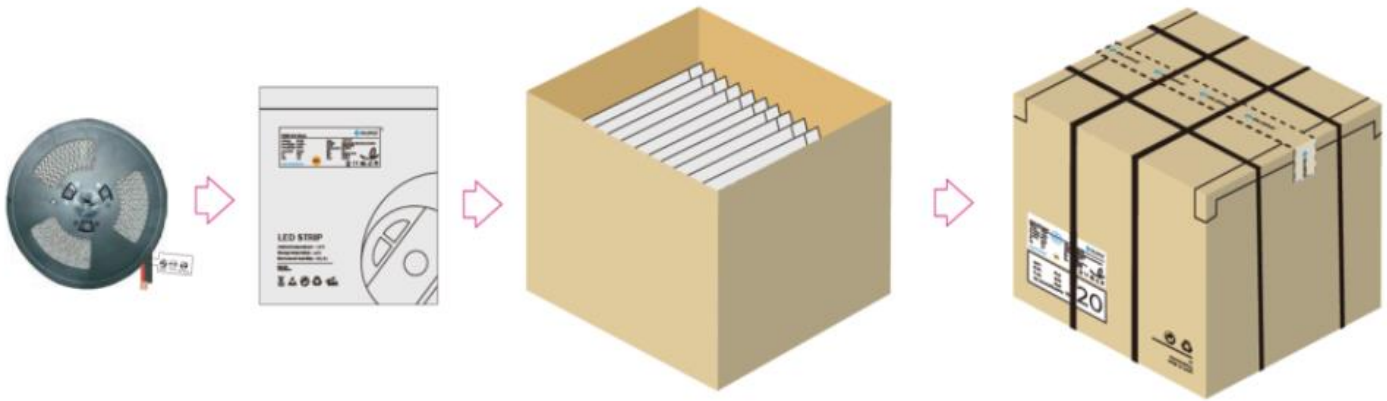
DS81602410NO-8SWNSA012WC0500

▼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*10*1.5	5	250	0.157	7.85	9.03	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°C~40°C.Storage temperature: 0°C~60°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).