

Specification

DS8240-48V-12mm



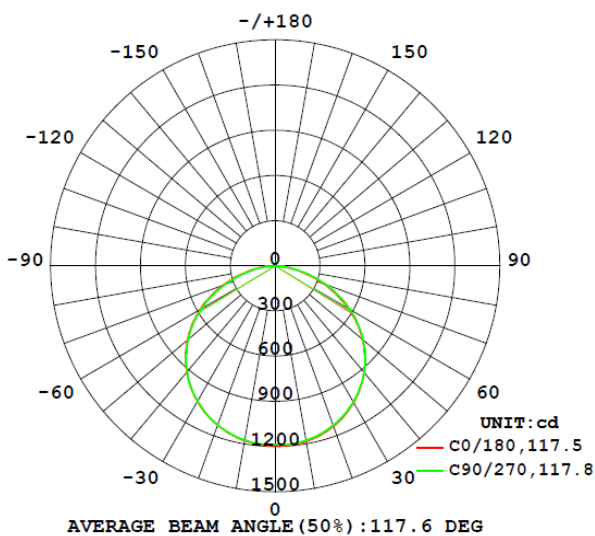
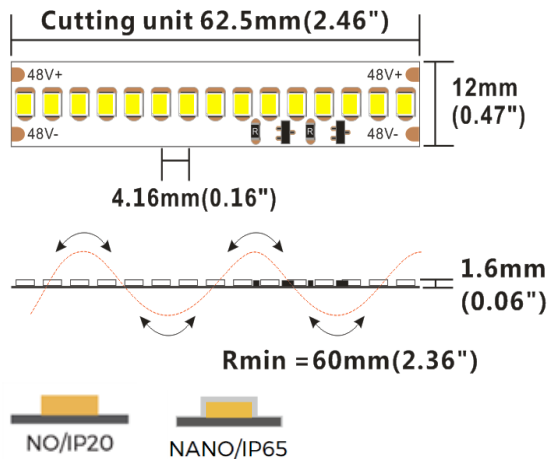
▼General description

- Luminance efficiency up to 130LM/W
- Constance current design,brightness keeps the same
- 10 meters running by one end power
- Suit for commercial stylish lighting with BSD 48V series drivers(under development)
- Ta: -25~40°C; Tc: 75°C (max)



▼Dimension

- ※Max.length: 10000mm(32.8 ')
- Cutting unit: 15leds/62.5mm(2.46 ")
- LED pitch: 4.16mm(0.164 ")
- Min. bend diameter: Φ60mm(2.36inch)
- Mounting: 3M tape
- IP: IP20/IP65
- ※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 117.48deg	Diameter
1m	316.6, 1195lx		329.45cm
2m	79.15, 298.8lx		658.90cm
3m	35.18, 132.8lx		988.36cm
4m	19.79, 74.7lx		1317.81cm
5m	12.66, 47.8lx		1647.26cm
6m	8.794, 33.2lx		1976.71cm
7m	6.461, 24.3lx		2306.16cm
8m	4.947, 18.6lx		2635.62cm
9m	3.908, 14.7lx		2965.07cm
10m	3.166, 11.9lx		3294.52cm

AAI Figure

- ※Max.length data is based on no current difference from end to end
- ※Warranty is based on indoor use

▼ Electronic & output data

Input voltage: DC48V

Rated current: 0.625A(1m) /6.25A(10m)

Typical Powe: 30W(1m) /300W(10m)

CRI: 80/90

Max.power: 23W/m

On-off times: 10000 (test times)

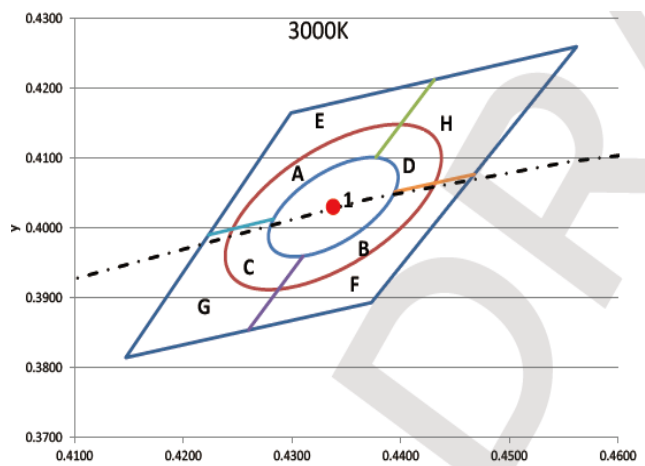
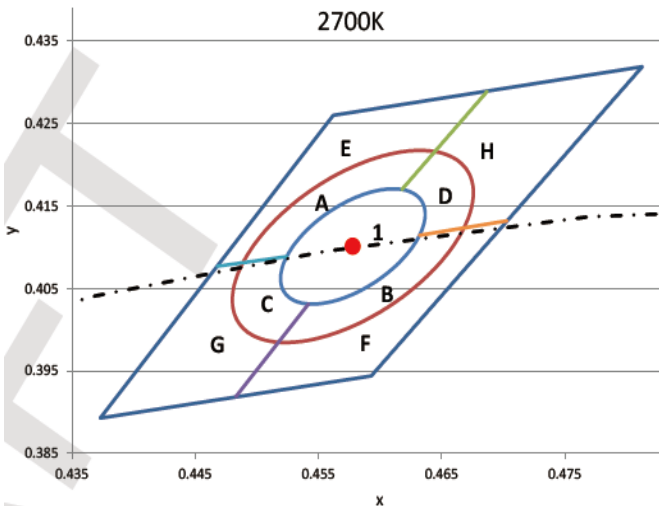
Power range: 27 ~ 33W/m

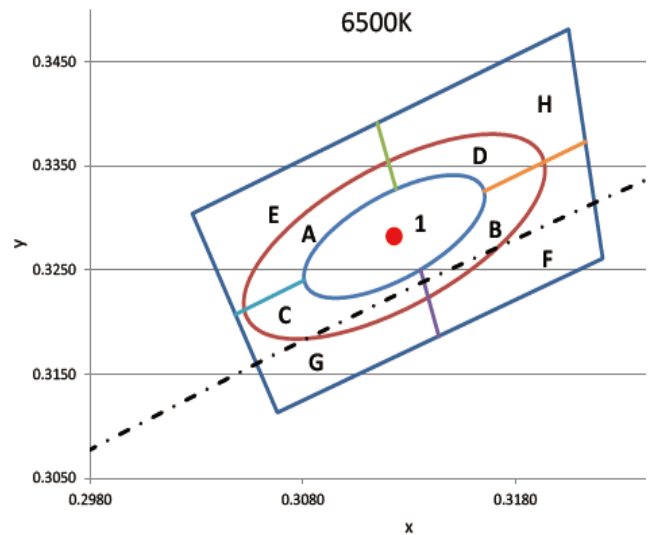
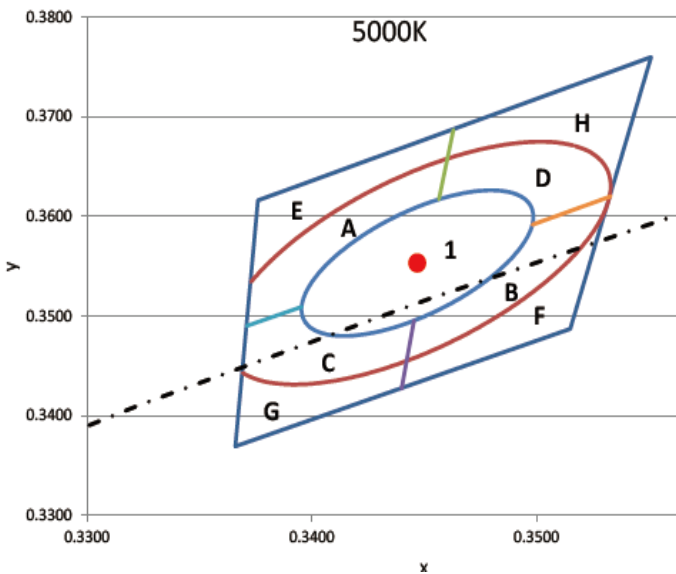
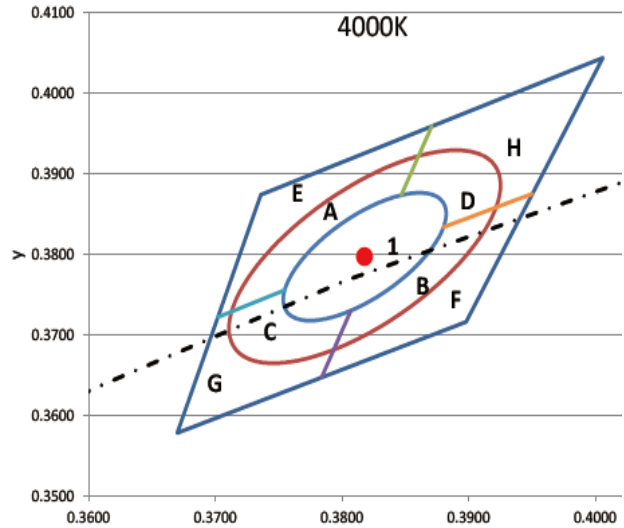
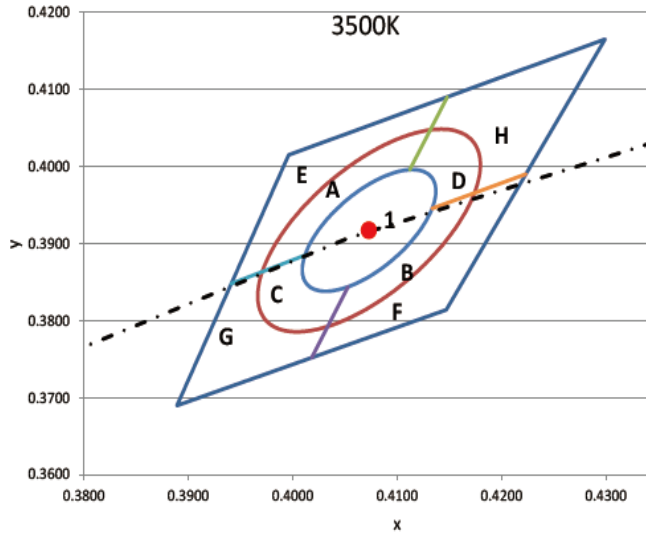
Copper foil: 3oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
80	SW	2700K	3540	118	A+
80	WW	3000K	3690	123	A+
80	PW	3500K	3790	126	A+
80	NW	4000K	3900	130	A+
80	DW	5000K	3900	130	A+
80	W	6500K	3690	123	A+
90	SW	2700K	2890	96	A+
90	WW	3000K	3050	102	A+
90	PW	3500K	3125	104	A+
90	NW	4000K	3200	107	A+
90	DW	5000K	3200	107	A+
90	W	6500K	3050	102	A+

- 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 40m 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	12mm*1.5mm	2700K/3000K/3500K/4000K /5000K/6500K	100%
NA	 NANO/IP65	Nano-proof	12mm*1.5mm	2700K/3000K/3500K/4000K /5000K/6500K	98%

▼ Accessories Information

Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0038	12mm width, 2PIN connector of wire and FPC,suitable for white color strip, NO/NA,2PIN wire18- 22AWG

Connector for FPC and FPC		94-03-00-0040	2mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA
Fixed Clip		94-02-00-0019	Fixed clip, transparent, 3*8mm self-tapping screws, suitable for 12mm 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	240 240 LED	48 48V	12 12mm	NO NO NA NANO	8 > 80 9 > 90 SW 2700K WW 3000K PW 3500K NW 4000K DW 5000K W 6500K

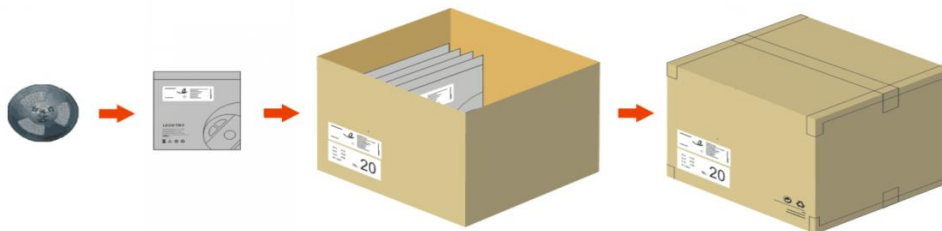
DS	-	8	240	48	12	NO	8	W
----	---	---	-----	----	----	----	---	---

9: Silk Printing	10: Entry cable	11: Wire type	12: Wire length	13: Tape type	14: Label Type	15: Strip Length
N Neutral	S Single	A d and black cat	012 12cm	W White 3M	C COLORS	0500 5m
C COLORS	D Doubel	B SM-male wire	020 20cm	Y Yellow 3M	S Customized	1000 10m
S Customized	X Nothing	C SM-female wire	050 50cm	R Red tape		
		X Nothing	100 100cm	X Nothing		
			0 Nothing			

N D A 012 W C 1000
DS82404812NO-8NWDA012WC1000

▼Packing

General customized package



IP Process	Product size(mm)	Product quantity(m/reel)	Product quantity/(m/cas)	Product net weight(kg)	Net weight per box (kg)	Gross weight (kg)	Package size (cm)
NO	10000*10*1.5	10	500	0.285	14.25	15.6	41*41*26
NA	10000*10*1.5	10	500	0.288	14.4	15.75	41*41*26

Remark: data with 10% tolerance

▼ Precautions

- ※ Please drive the led strip with 48VDC 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).