

Specification

DS8150-48V-10mm



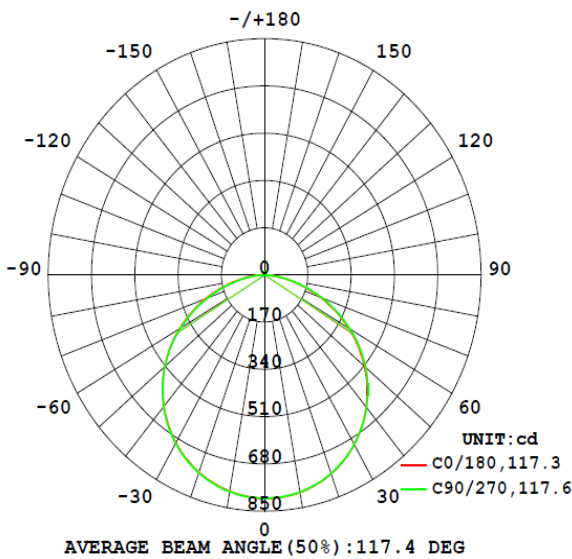
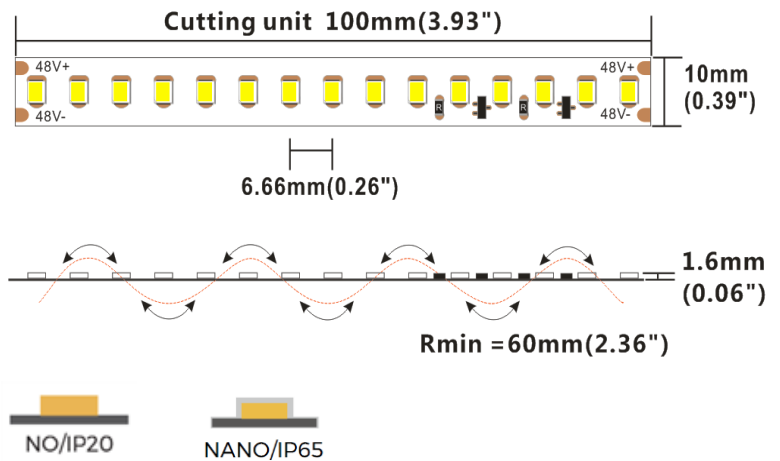
▼General description

- 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/100mm(3.94 ")
- LED pitch: 6.66mm(0.26 ")
- Min. bend diameter: Φ60mm(2.36inch)
- Mounting: 3M tape
- IP: IP20/IP65
- ※Warranty: 5years



Photometric of 1M strip

Height	Eavg, Emax	Angle: 117.32deg	Diameter
1m	213.4, 804.21x		328.42cm
2m	53.34, 201.11x		656.83cm
3m	23.71, 89.361x		985.25cm
4m	13.33, 50.271x		1313.67cm
5m	8.534, 32.171x		1642.09cm
6m	5.927, 22.341x		1970.50cm
7m	4.354, 16.411x		2298.92cm
8m	3.334, 12.571x		2627.34cm
9m	2.634, 9.9291x		2955.76cm
10m	2.134, 8.0421x		3284.17cm

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: 0.416A(1m) /4.16A(10m)

Typical Powe: 20W(1m) /200W(10m)

CRI: 80/90

Max.power: 22W/m

On-off times: 10000 (test times)

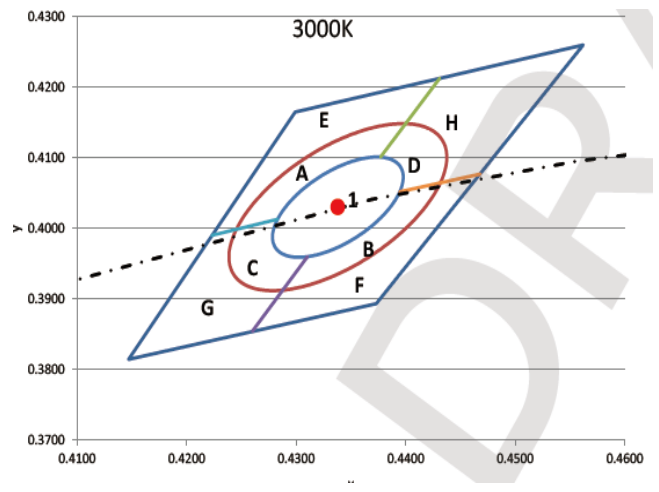
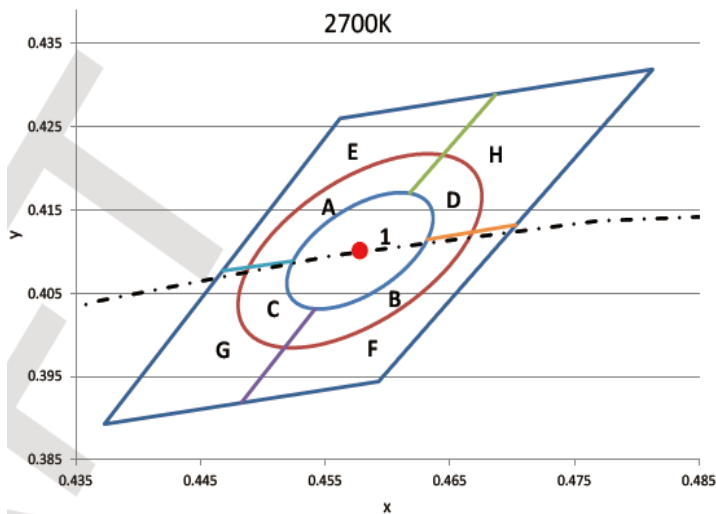
Power range: 18 ~ 22W/m

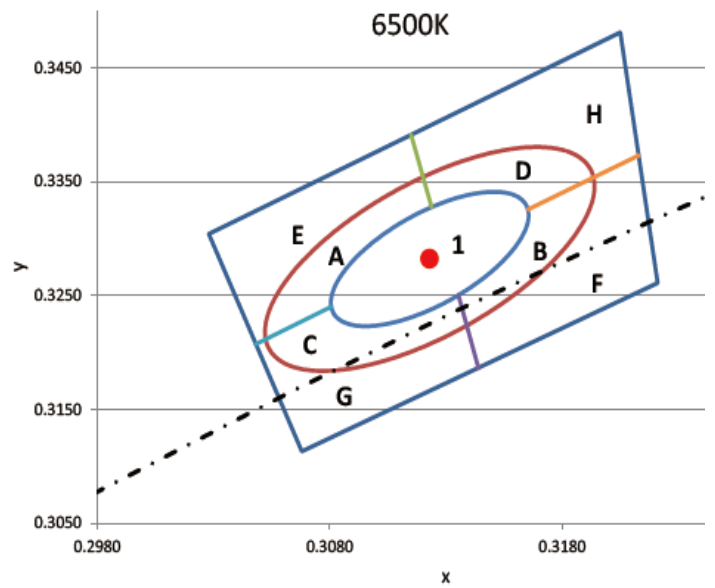
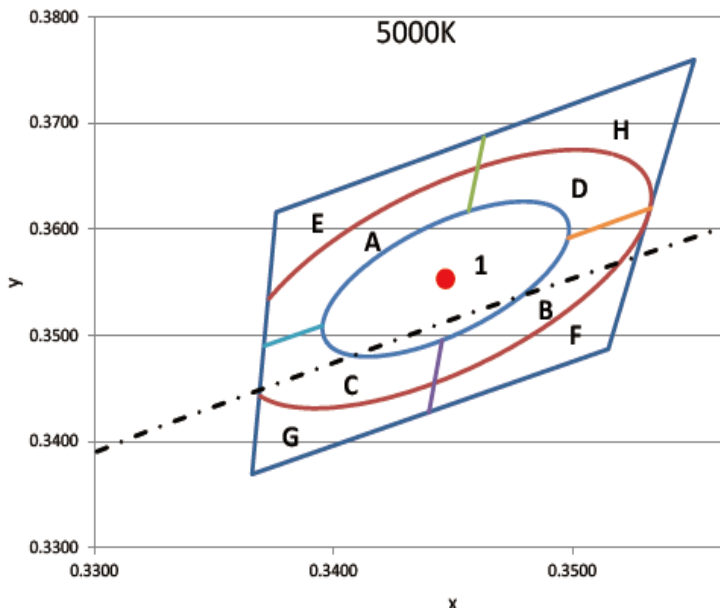
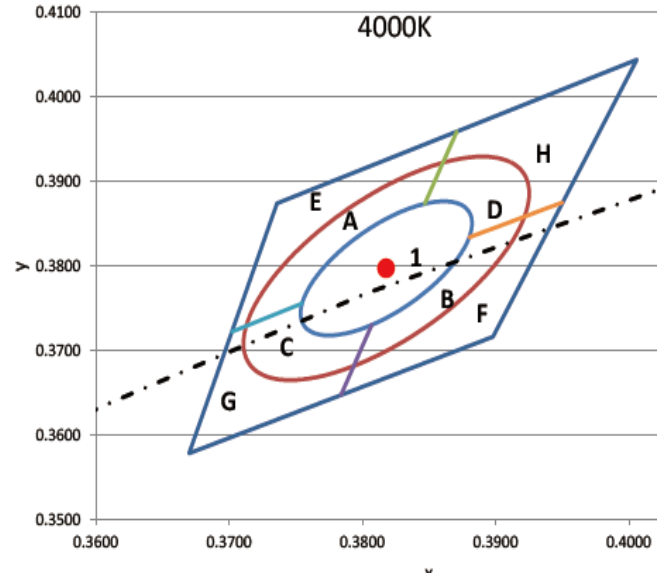
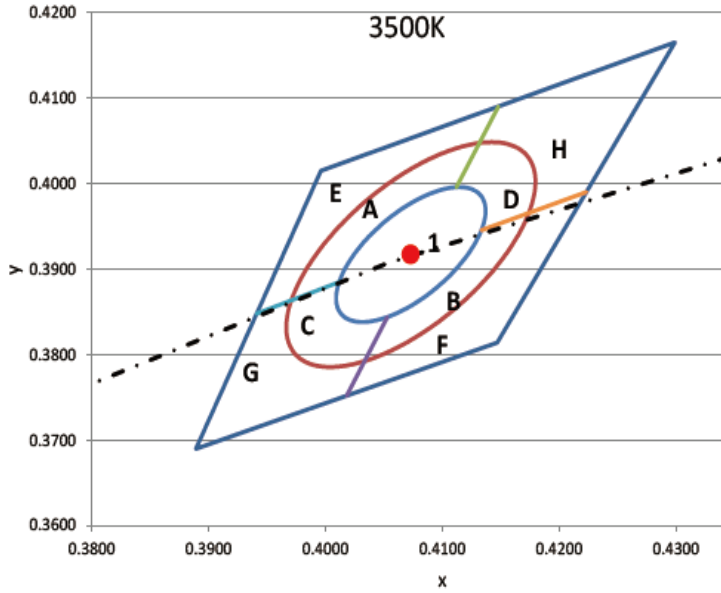
Copper foil: 3oz

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
80	SW	2700K	2360	118	A+
80	WW	3000K	2460	123	A+
80	PW	3500K	2460	123	A+
80	NW	4000K	2600	130	A+
80	DW	5000K	2600	130	A+
80	W	6500K	2460	123	A+
90	SW	2700K	2005	100	A+
90	WW	3000K	2110	106	A+
90	PW	3500K	2150	108	A+
90	NW	4000K	2200	110	A+
90	DW	5000K	2200	110	A+
90	W	6500K	2110	106	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	10mm*1.5mm	2700K /3000K/3500K/4000K /5000K/6500K	100%
NA	 NANO/IP65	Nano-proof	10mm*1.5mm	2700K /3000K/3500K/4000K /5000K/6500K	98%

▼ 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/NA,2PIN wire18- 22AWG
Connector for FPC and FPC			94-42-621020004	10mm width, 2PIN connector of FPC and FPC,suitable for white color strip,NO/NA
Fixed Clip			94-02-00-0018	transparent, 3*8mm self-tapping screws, suitable for 10mm FPC, NO/NA LED strip

▼ Order Code Formats

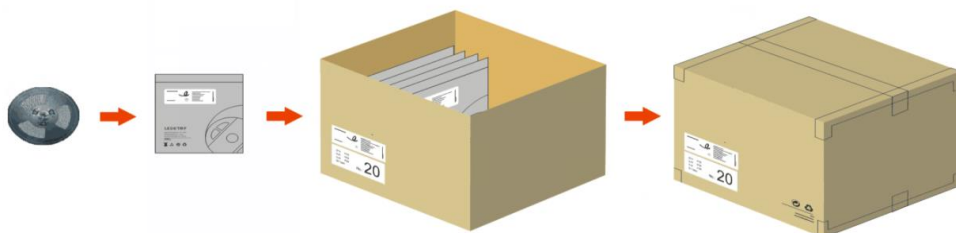
1: Category		2: LED		3: LED/m		4: Voltage		5:FPC Width		6: IP Process		7: CRI		8: CCT	
DS	-	8	2835	150	150 LED	48	48V	10	10mm	NO	NO	8	> 80	SW	2700K
										NA	NANO	9	> 90	WW	3000K
														PW	3500K
														NW	4000K
														DW	5000K
														W	6500K
DS	-	8		150		48		10		NO		8			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 cab	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	

DS81504810NO-8NWNDA012WC1000

▼ 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	0.23	11.5	12.85	41*41*26
NA	10000*10*1.5	10	500	0.235	11.75	13.1	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).