

High lumen Series Specification

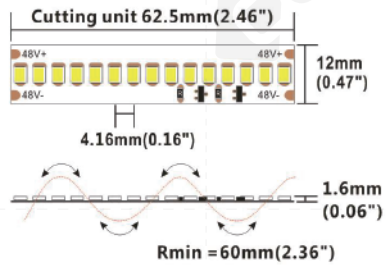
DS8240

48V-12mm



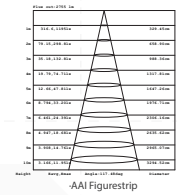
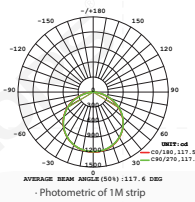
【General description】

- Luminance efficiency up to 130LM/W
- Constance current design, brightness keeps the same
- 10 meters running by one end power
- Ta: -25~40°C; Tc: 75°C (max)



【Dimension】

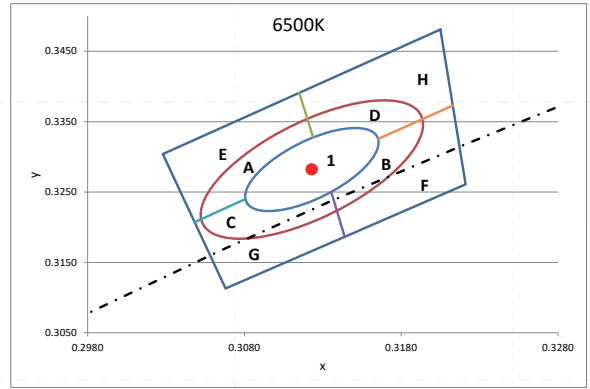
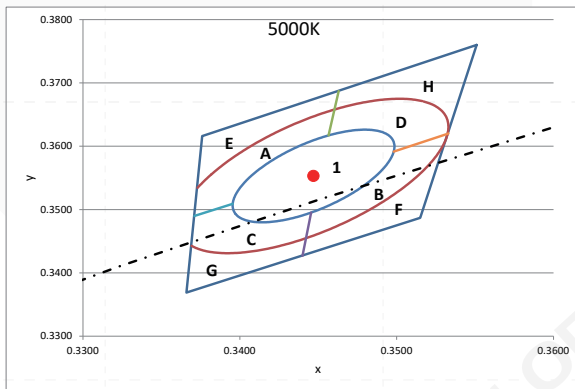
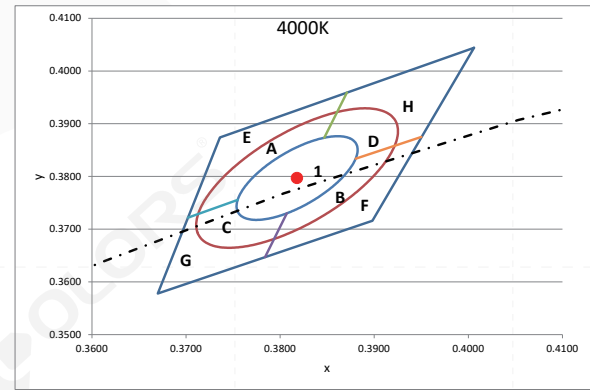
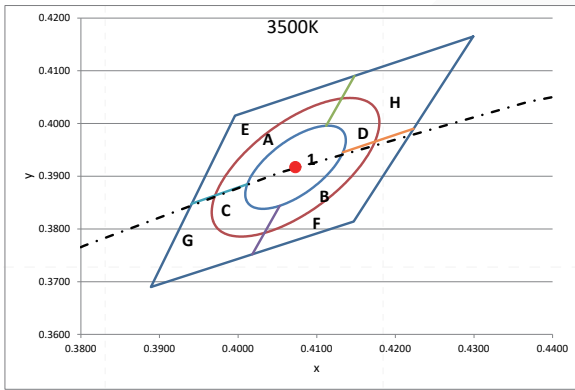
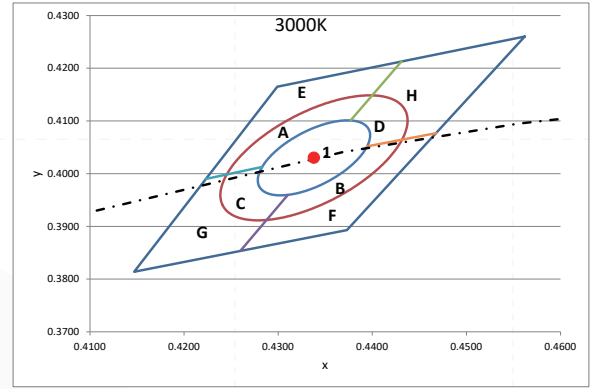
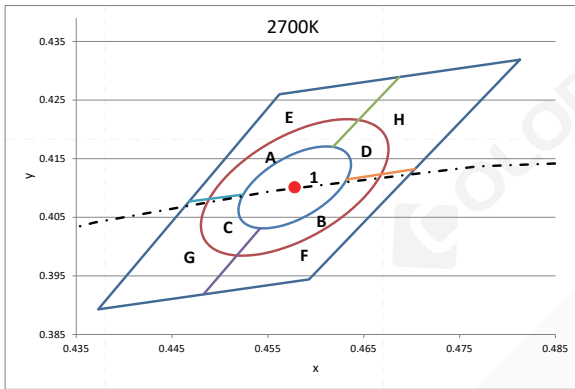
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|---------------------------------------|-------------------------------------|
| Input voltage: DC48V | Max.length: 10000mm(32.8) |
| CRI: 80/90 | Cutting unit: 115leds/62.5mm(2.46") |
| Max.power: 33W(1m) | LED pitch: 4.16mm(0.164") |
| Power range: 27~33W(1m) | Min. bend diameter: Φ60mm(2.36") |
| Rated current: 0.625A(1m) /6.25A(10m) | Mounting: 3M tape |
| Typical Power: 30W(1m) /300W(10m) | Copper foil: 3oz |
| tape IP: IP20/IP65 | |
| On-off times: 10000 (test times) | |
| Warranty: 5years | |
| (Warranty is based on indoor use) | |



【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	3540	1075	118	F
Ra>80	WW	3000K	3690	1125	123	E
Ra>80	PW	3500K	3790	1155	126	E
Ra>80	NW	4000K	3900	1185	130	E
Ra>80	DW	5000K	3900	1185	130	E
Ra>90	W	6500K	3690	1125	123	E
Ra>90	SW	2700K	2890	880	96	F
Ra>90	WW	3000K	3050	930	102	F
Ra>90	PW	3500K	3125	950	104	F
Ra>90	NW	4000K	3200	975	107	F
Ra>90	DW	5000K	3200	975	107	F
Ra>90	W	6500K	3050	930	102	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 IP20/1m, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



【Electronic & output data】

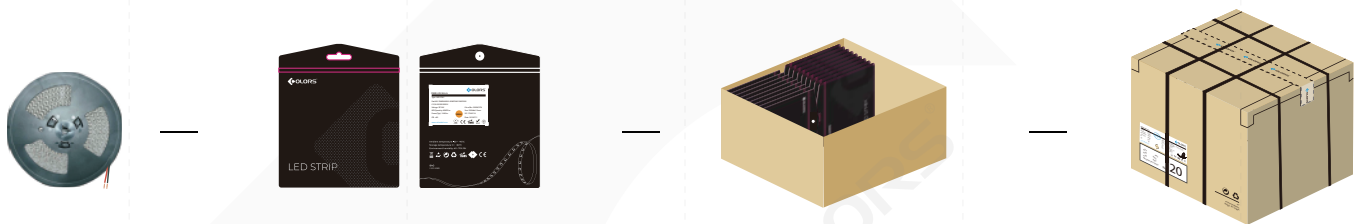
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	12mm*1.6mm	2700K/3000K/3500K/4000K/6500K	100%
NA		Nano-proof	12mm*1.7mm	2700K/3000K/3500K/4000K/6500K	98%

【Accessories Information】

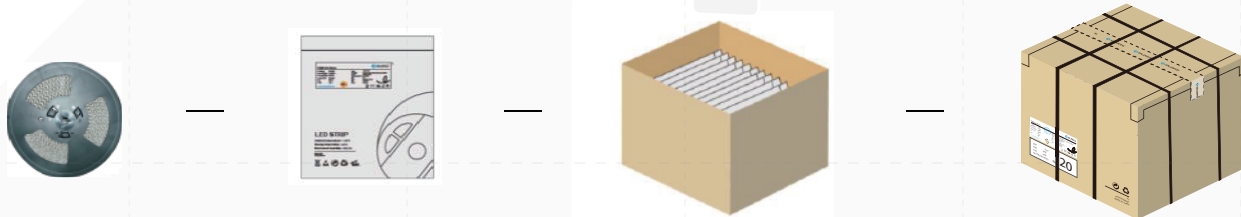
Name	Picture	Code	coding	description
Connector for wire and FPC		94-03-00-0038	TXB212-NOGA	12mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire 18- 22AWG
Connector for FPC and FPC		94-03-00-0040	TBB212-NOGA	12mm width, 2PIN connector of FPC and FPC, suitable for white color strip, NO/NA

【Packing】

Colors brand package



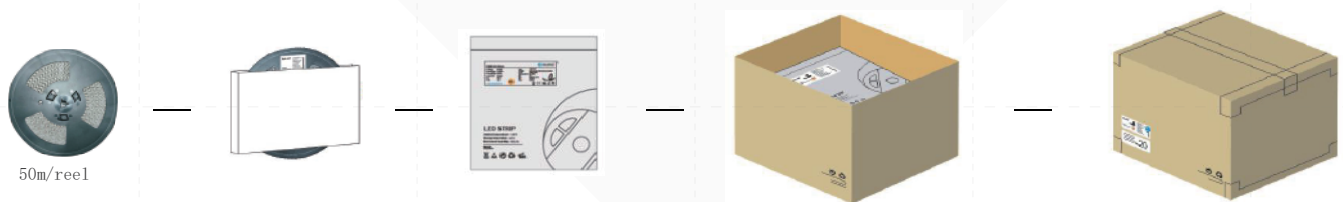
General customized package



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	10000*12*1.6	10	500	0.285	14.25	15.6	41*41*26
NA	10000*12*1.7	10	500	0.288	14.4	15.75	41*41*26

Remark: data with 10% tolerance

· Engineering packaging of NO(IP20)/NA(IP65).



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	50000*10*1.5	50	500	1.15	11.5	13.225	41*41*26
NA	50000*10*1.6	50	500	1.175	11.75	13.5125	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: $-25^{\circ}\text{C} \sim 40^{\circ}\text{C}$. 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).
- Do not scratch the product when IP process of the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.
- It is not recommended to use with Triack dimming.