

HIGH LUMEN Series Specification

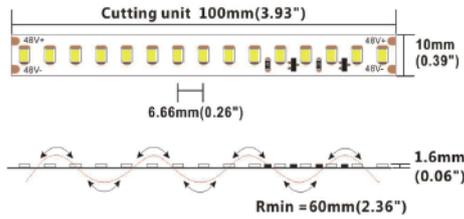
DS8150

48V-10mm



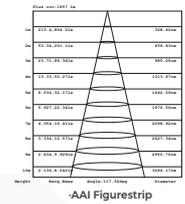
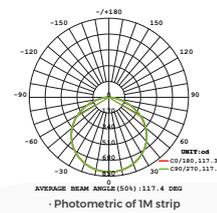
【General description】

- Luminance efficiency up to 130LM/W
- Constance current design,brightness keeps the same
- 10 meters running by one end power
- Life longer than 60000H, Ta: -25-40°C; Tc: 75°C (max)
- UL/JACK/CE/ROHS/REACH certification



【Dimension】

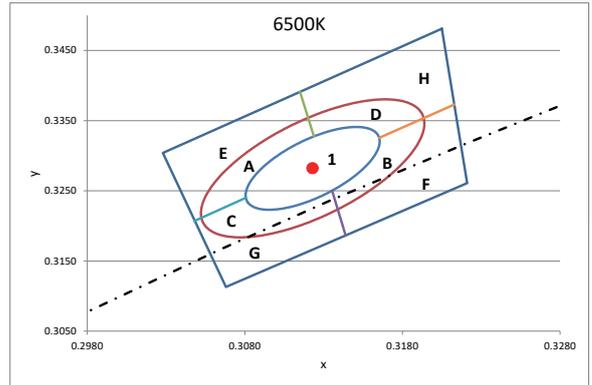
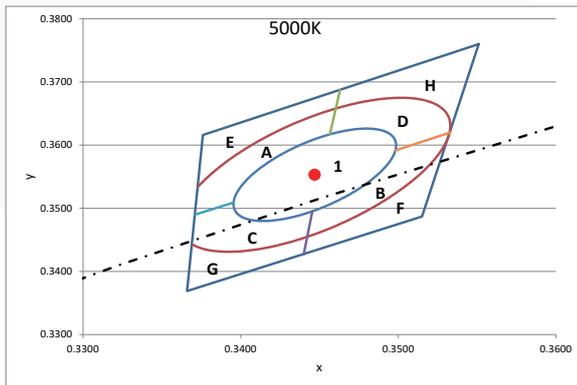
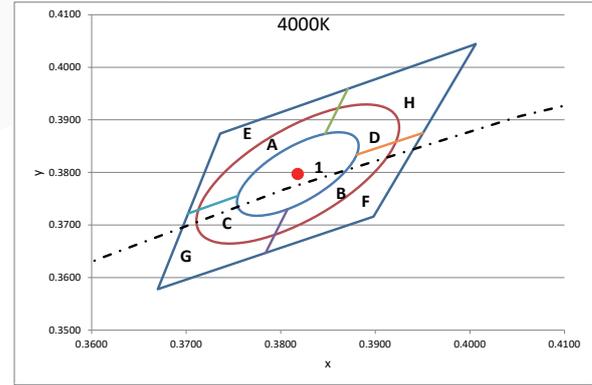
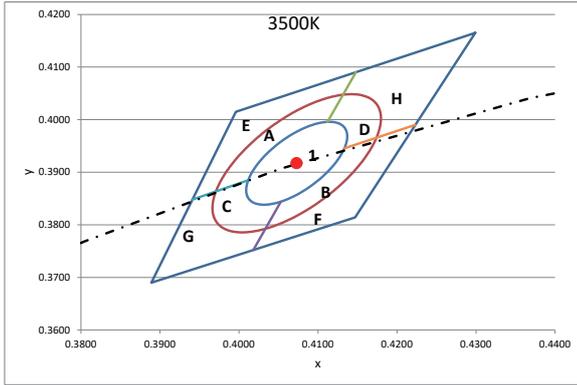
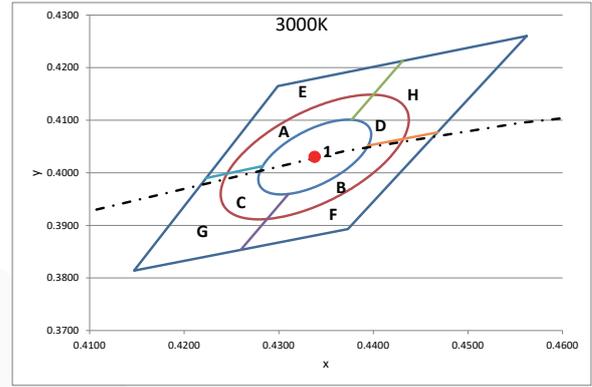
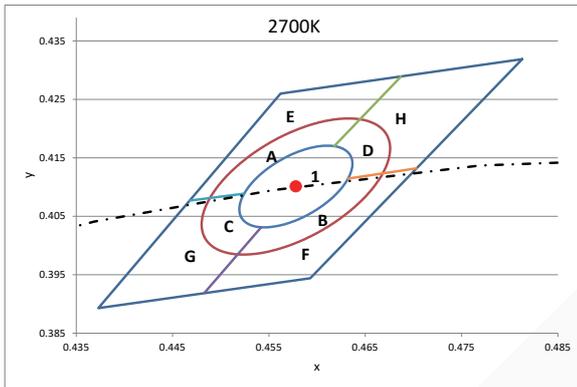
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|---------------------------------------|--|
| Input voltage: DC48V | Max.length: 10000mm(32.8') |
| CRI: 80/90 | Cutting unit: 15leds/100mm(3.94") |
| Max.power: 22W(1m) | LED pitch: 6.66mm(0.26") |
| Power range: 18~22W(1m) | Min. bend diameter: Φ 60mm(2.36") |
| Rated current: 0.416A(1m) /4.16A(10m) | Mounting: 3M tape |
| Typical Power: 20W(1m) /200W(10m) | Copper foil: 3oz |
| tape IP: IP20/IP65 | |
| On-off times:10000 (test times) | |
| Warranty: 5 years indoors | |



【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	2360	720	118	F
Ra>80	WW	3000K	2460	750	123	E
Ra>80	PW	3500K	2460	750	123	E
Ra>80	NW	4000K	2600	790	130	E
Ra>80	DW	5000K	2600	790	130	E
Ra>80	W	6500K	2460	750	123	E
Ra>90	SW	2700K	2005	610	100	F
Ra>90	WW	3000K	2110	640	106	F
Ra>90	PW	3500K	2150	655	108	F
Ra>90	NW	4000K	2200	670	110	F
Ra>90	DW	5000K	2200	670	110	F
Ra>90	W	6500K	2110	640	106	F

- 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 IP20/1merter, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



[Electronic & output data]

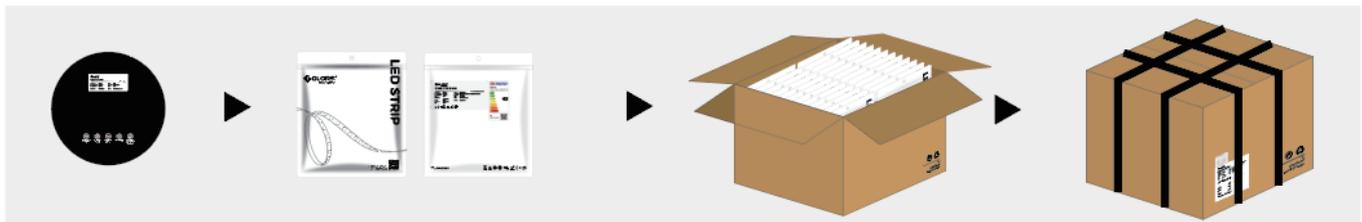
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.6mm	2700K/3000K/3500K/4000K/6500K	100%
NA	 NANO/IP65	Nano-proof	10mm*1.7mm	2700K/3000K/3500K/4000K/6500K	98%

【Accessories Information】

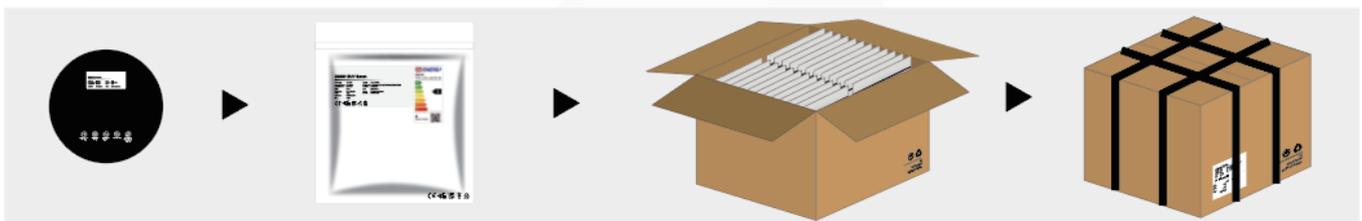
Name	Picture	Code	coding	description
Connector for FPC and FPC		81-01-000002-000038	CBB210-NOTA	10MM-2P solder-free connector (board-to board)\ suitable for bare board 10mm width strip light
Connector for wire and FPC		81-01-000002-000039	CXB210-NOTA	10MM-2P solderless connector(wire to board)\ Compatible with 20&22AWG wire\20#(6A);22#(4A)\ Applicable to bare board 10mm width lamp strip
L-connector for FPC and FPC		81-01-000002-000053	CBBL210-NOTA	10MM-2P solderless (L) connectors (board-to board)\ for bare board 10mm width light strip

【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*10*1.6	10	500	0.23	11.5	12.85	41*41*26
NA	10000*10*1.7	10	500	0.235	11.75	13.1	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℃~40℃. Storage temperature: 0℃~60℃. 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.

*When using dimmer and dimming power supplies like Triac, etc, conduct compatibility tests on the product, dimmers and power supplies to ensure full compatibility. If any issues arise, contact COLORS for technical support.