

PRO Series Specification

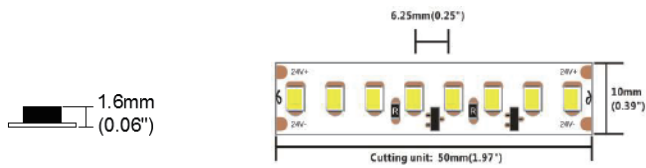
DS8160

24V-10mm



【General description】

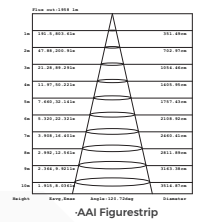
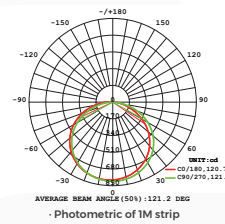
- Bridgelux led integrated, High efficiency up to 153lm/w@4000K, CRI80+
- Constant current design, Same brightness from one end to another
- SDCM≤3,one Bin delivery, With life span over 60000H, 5 years warranty
- Ta: -25~40°C; Tc: 75°C (max)



【Dimension】

Input voltage: DC24V
 CRI: 80/90
 Max.power: 18W(1m)
 Power range: 14.9~18W(1m)
 Rated current: 0.683A(1m) /3.3A(5m)
 Typical Power: 16.4W(1m) /79.2W(5m)
 tape IP: IP20/IP65
 On-off times: 10000 (test times)
 Warranty: 5years

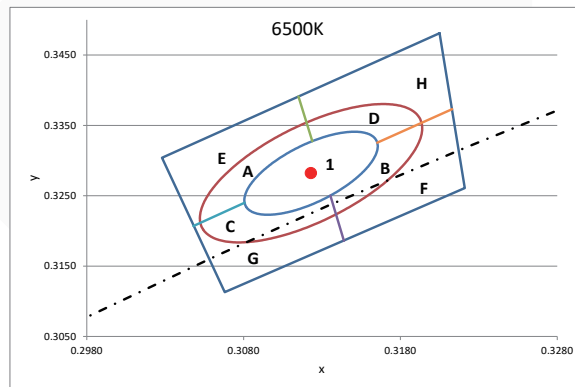
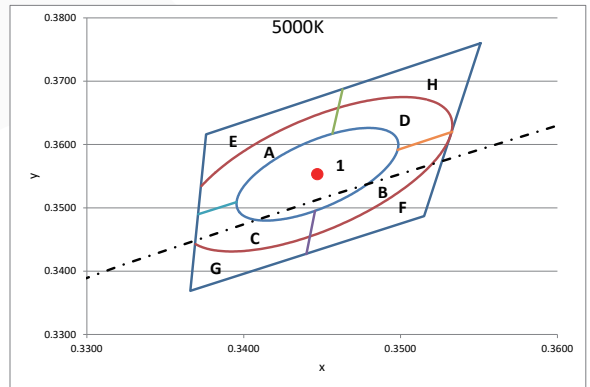
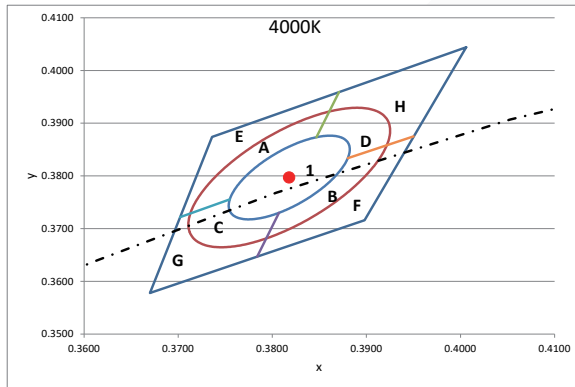
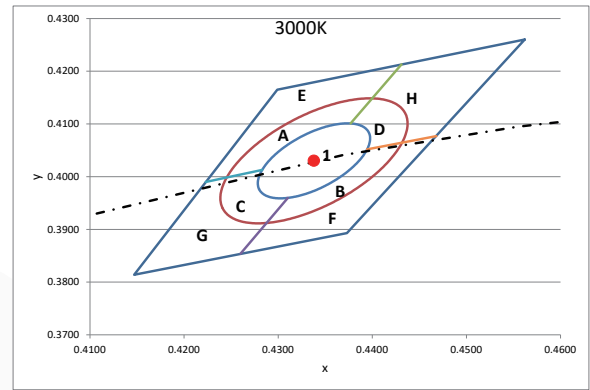
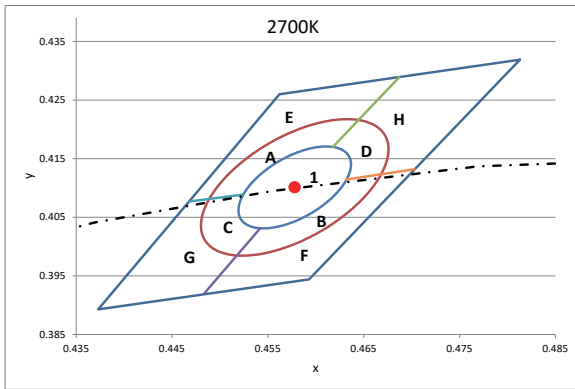
Max.length: 5000mm(16.4')
 Cutting unit: 8leds/50mm(1.97")
 LED pitch: 6.25mm(0.25")
 Min. bend diameter: Φ60mm(2.36")
 Mounting: 3M tape
 Copper foil: 3oz



【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	2280	545	139	E
Ra>80	WW	3000K	2400	575	146	D
Ra>80	NW	4000K	2500	600	153	D
Ra>80	DW	5000K	2500	600	153	D
Ra>80	W	6500K	2400	575	146	D
Ra>90	SW	2700K	1800	420	109	F
Ra>90	WW	3000K	1890	445	115	F
Ra>90	NW	4000K	1970	465	120	E
Ra>90	DW	5000K	1970	465	120	E
Ra>90	W	6500K	1890	445	115	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.



【Electronic & output data】

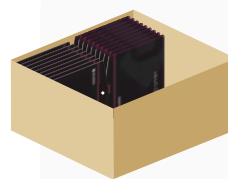
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO	 NO/IP20	No proof	10mm*1.6mm	2700K/3000K/4000K/6500K	100%
NA	 NANO/IP65	Nano-proof	10mm*1.7mm	2700K/3000K/4000K/6500K	98%

【Accessories Information】

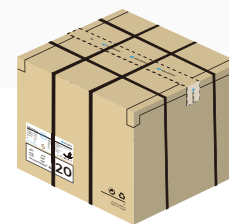
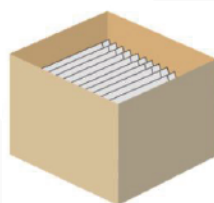
Name	Picture	Code	coding	description
Connector for wire and FPC		94-03-00-0037	TXB210-NOGA	10mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire 18-22AWG
Connector for FPC and FPC		94-42-621020004	TBB210-NOGA	10mm width, 2PIN connector of FPC and FPC, suitable for white color strip, NO/NA
Slim connector		81-01-000000-000065	TBB210-NOTA	Suitable for 10mm board width, IP20, 2PIN board-to-board solderless terminal
Slim connector		81-01-000000-000067	TXB210-NOTA012	Suitable for 10mm board width, IP20, 2PIN wire-to-board solderless terminal

【Packing】

Colors brand package



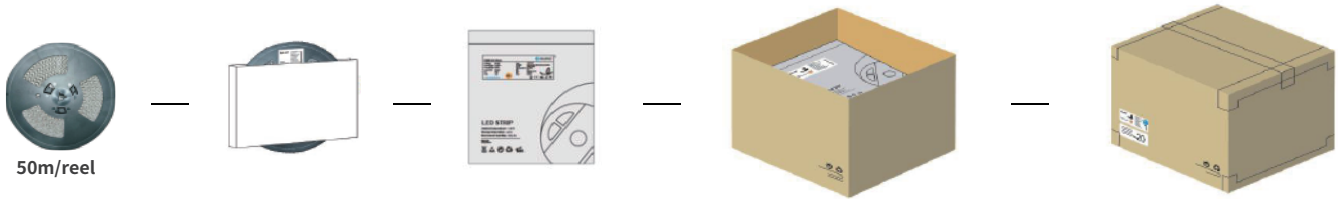
General customized package



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*1.6	5	250	0.157	7.85	9.03	41*41*26
NA	5000*10*1.7	5	250	0.16	8	9.2	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	1.57	15.7	18.05	41*41*26
NA	50000*10*1.6	50	500	1.6	16	18.4	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).
- 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.