

PRO Series Specification

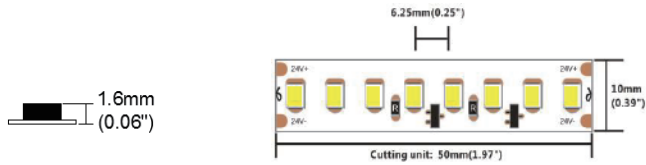
DS8160

24V-10mm-21.6W



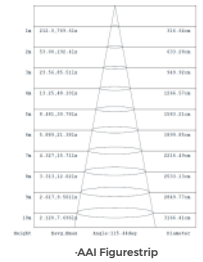
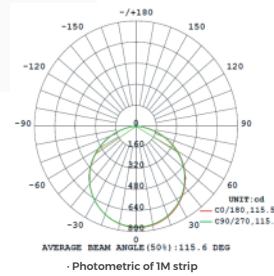
【General description】

- 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】

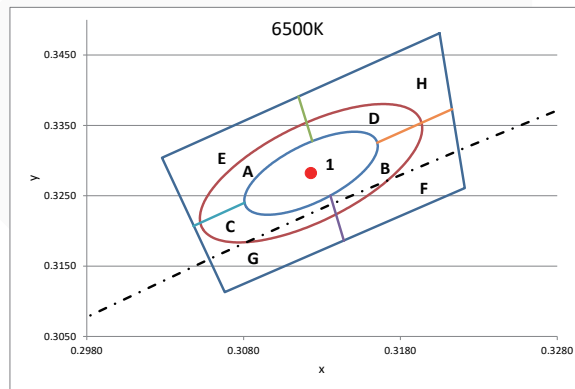
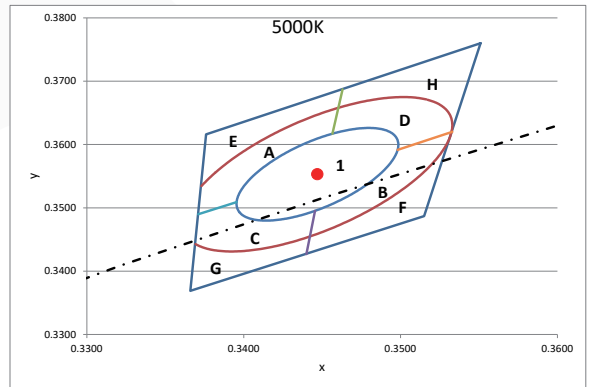
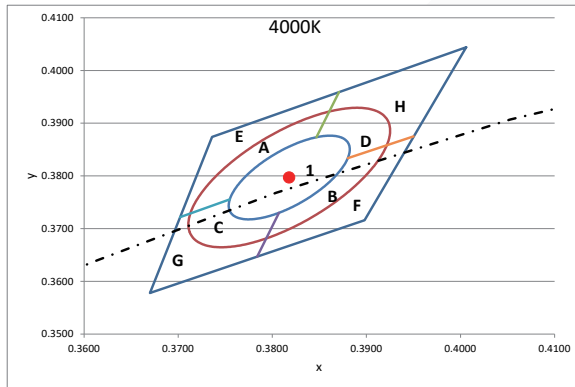
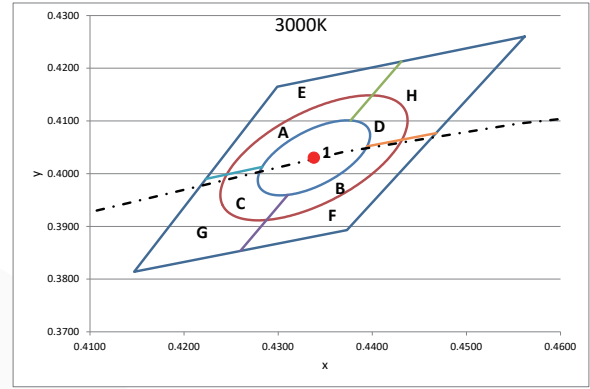
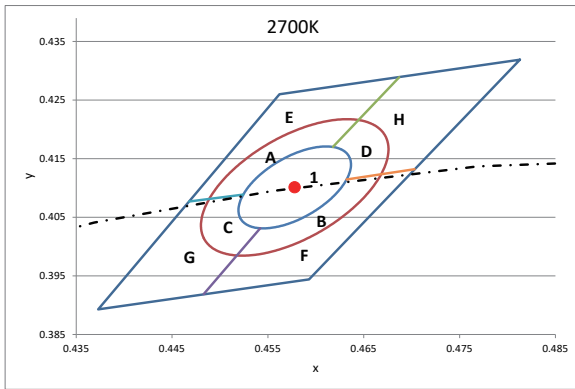
Input voltage: DC24V	Max.length: 5000mm(16.4')
CRI: >80/95	Cutting unit: 8leds/50mm(1.97")
Max.power: 23.8W(1m)	LED pitch: 6.25mm(0.25")
Power range: 19.4~23.8W(1m)	Min. bend diameter: Φ60mm(2.36")
Rated current: 0.9A(1m) /3.6A(5m)	Mounting: 3M tape
Typical Power: 21.6W(1m) /86.4W(5m)	Copper foil: 3oz
tape IP: IP20/IP65	
On-off times: 10000 (test times)	
Warranty: 5years	



【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	2850	869	132	E
Ra>80	WW	3000K	3000	915	139	E
Ra>80	NW	4000K	3135	955	145	E
Ra>80	W	6500K	3000	915	139	E
Ra>95	SW	2700K	2050	625	95	F
Ra>95	WW	3000K	2160	658	100	F
Ra>95	NW	4000K	2375	724	110	F
Ra>95	DW	5000K	2375	724	110	F

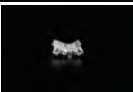
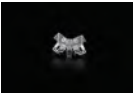


- 1.The tolerance of output data can be vary up to 15%.
- 2.the output data tested according to IES TM-30-15.
- 3.the output data is based on IP20/Imertex, data of 5m in only for reference.
- 4.IP protection process leads changes to size, CCT and luminous flux.



[Electronic & output data]

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

【Accessories Information】

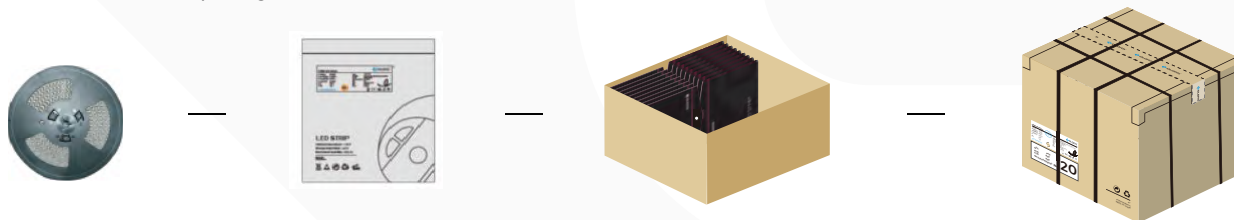
Name	Picture	Code	description
Connector for wire and FPC		94-03-00-0037	10mm width, 2PIN connector of wire and FPC, suitable for white color strip, NO/NA, 2PIN wire 18- 22AWG
Connector for FPC and FPC		94-42-621020004	10mm width, 2PIN connector of FPC and FPC, suitable for white color strip, NO/NA
Slim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

【Packing】

Colors brand package



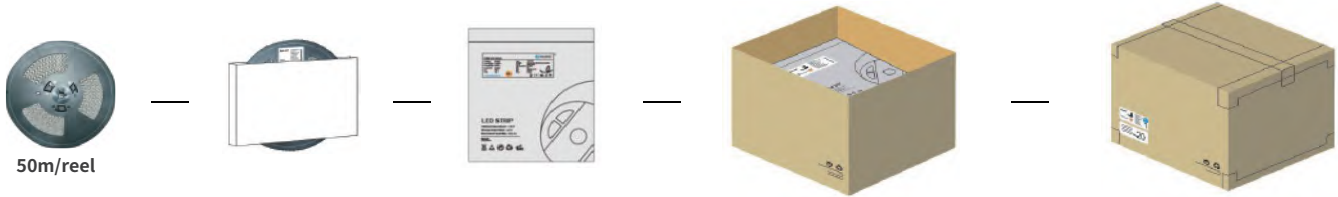
General customized package



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.