COLORS
Linear Lighting

PRO Series | Specification

DS8128

24V-10mm

E498657

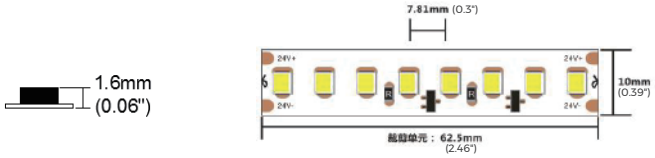
E-mail:colors@colorsled.com

Version：A/01

www.colorsled.com

【General description】

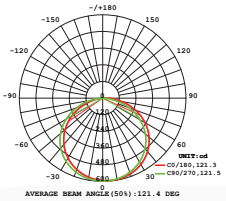
· Bridgelux led integrated，High efficiency up to 155lm/w@4000K , CRI80+
· Constant current design, Same brightness from one end to another
· SDCM≤3,one Bin delivery，With life span over 60000H, 5 years warranty
· Ta: -25~40℃；Tc：75℃（max）



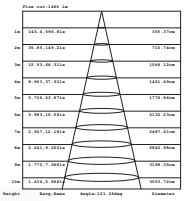
【Dimension】

Input voltage：DC24V
CRI：80/90
Max.power: 14W(1m)
Power range: 11.6～14W(1m)
Rated current：0.53A(1m) /2.5A(5m)
Typical Power：12.7W(1m) /60W(5m)
tape IP：IP20/IP65
On-off times: 10000（test times）
Warranty： 5years
(Warranty is based on indoor use)

Max.length： 5000mm(16.4')
Cutting unit：8leds/62.5mm(2.46")
LED pitch：7.81mm(0.3")
Min. bend diameter：Φ60mm(2.36")
Mounting： 3M tape
Copper foil: 3oz



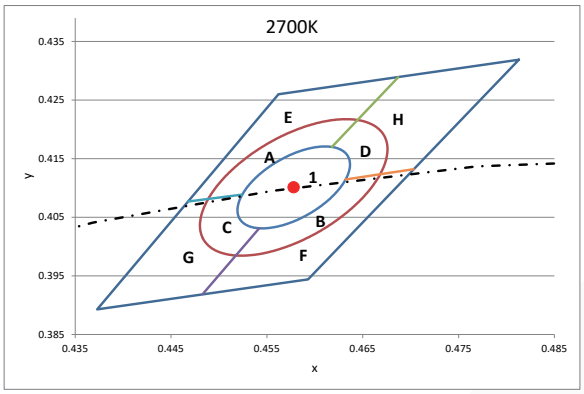
· Photometric of 1M strip

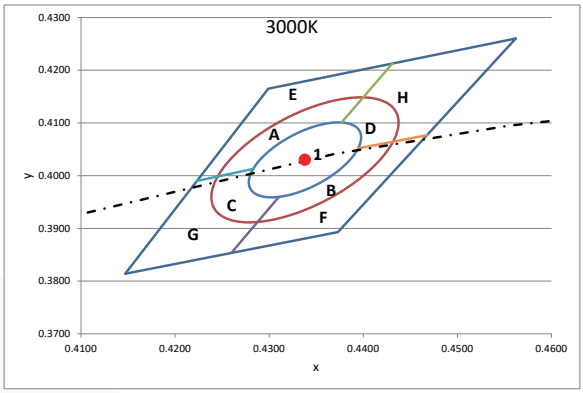

· AAI Figurestrip

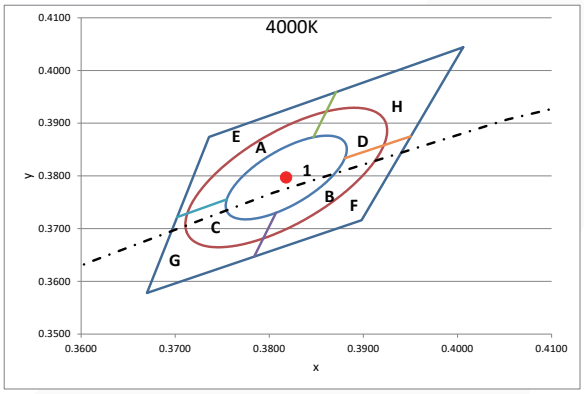
【Photo-electric Parameters】

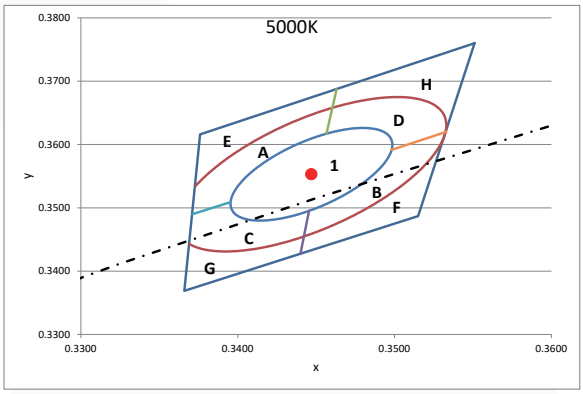
CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>80	SW	2700K	1790	545	141	E
Ra>80	WW	3000K	1890	575	149	D
Ra>80	NW	4000K	1970	600	155	D
Ra>80	DW	5000K	1970	600	155	D
Ra>80	W	6500K	1890	575	149	D
Ra>90	SW	2700K	1390	420	109	F
Ra>90	WW	3000K	1460	445	115	F
Ra>90	NW	4000K	1530	465	120	E
Ra>90	DW	5000K	1530	465	120	E
Ra>90	W	6500K	1460	445	115	F

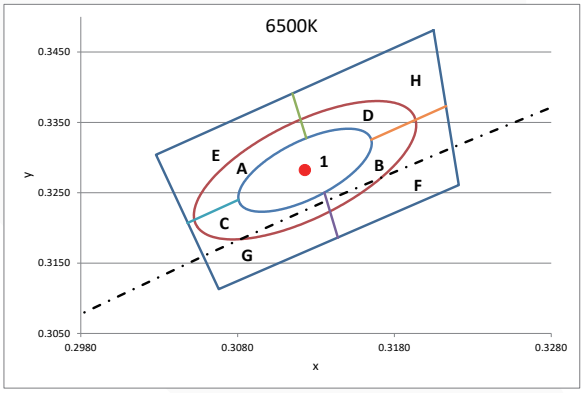
1.The tolerance of output data can be vary up to 15%.
2.the output data tested according to IES TM-30-15.
3.the output data is based on IP20/1merter，data of 5m in only for reference.
4.IP protection process leads changes to size, CCT and luminous flux.











【Electronic & output data】

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

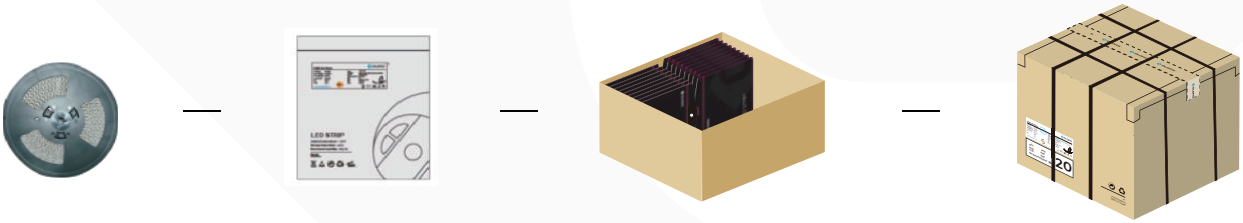
【Accessories Information】

Name	Picture	Code	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

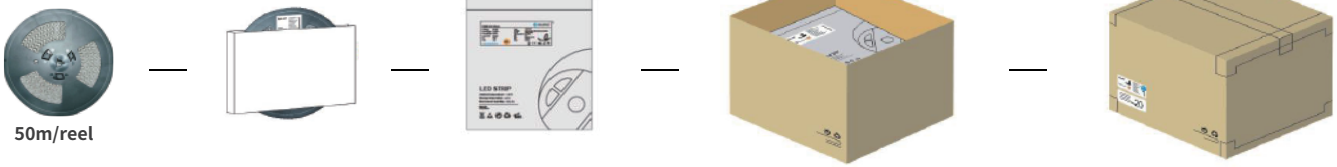
General customized package



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	5000*10*1.6	5	250	0.122	6.1	7.015	41*41*26
NA	5000*10*1.7	5	250	0.124	6.2	7.13	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	1.22	12.2	14.03	41*41*26
NA	50000*10*1.6	50	500	1.24	12.4	14.26	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℃~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 processof the product is NA. Ultraviolet rays will damage the nano-layers on the product and seriously affect the life of the product.