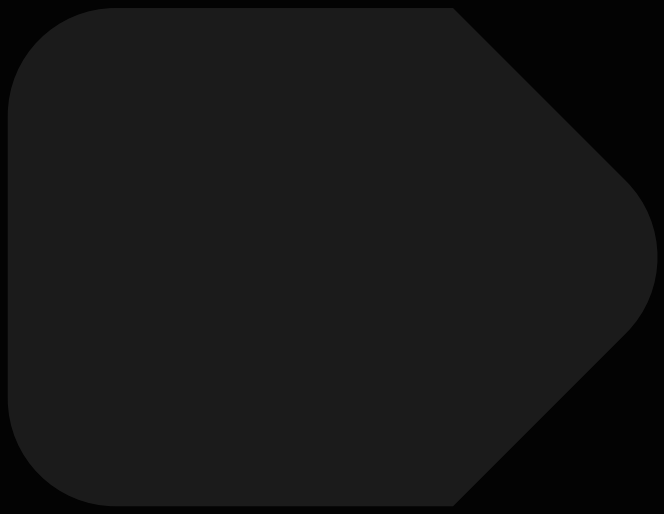
FREE CUTTING Series | Specification

C8200

24V-8mm



E-mail:colors@colorsled.com

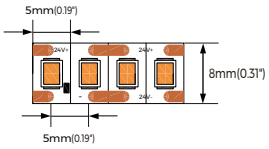
Version：A/01

www.colorsled.com

【General description】



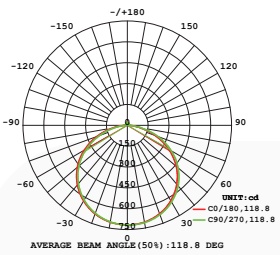
· 24V single LED per cut for more flexible application
· Mini cutting unit up to 5mm
· Parameter matches with traditional ones,better for stock management
· Self-encapsulated design offers 6 optional 2300-6000K white lights
· With life span over 60000H
· Ta: -25~40℃; Tc: 75℃(max)
· UL/UACK/CE/ROHS/REACH certification



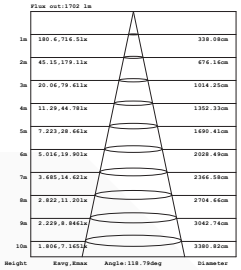
【Dimension】

Input voltage: DC24V
CRI: 90
Max.power: 18.48W(1m)
Power range: 15.12～18.48W(1m)
Rated current: 0.7A(1m)
Typical Power: 16.8W(1m)
tape IP: IP20/IP65/IP67
On-off times: 10000（test times）
Warranty: 7 years indoor / 5 years outdoor

Max.length: 5000mm(16.4')
Cutting unit: 1leds/5mm(0.19")
LED pitch: 5mm(0.19")
Min. bend diameter: Φ60mm(2.36")
Mounting: 3M tape
Copper foil: 3oz



· Photometric of 1M strip

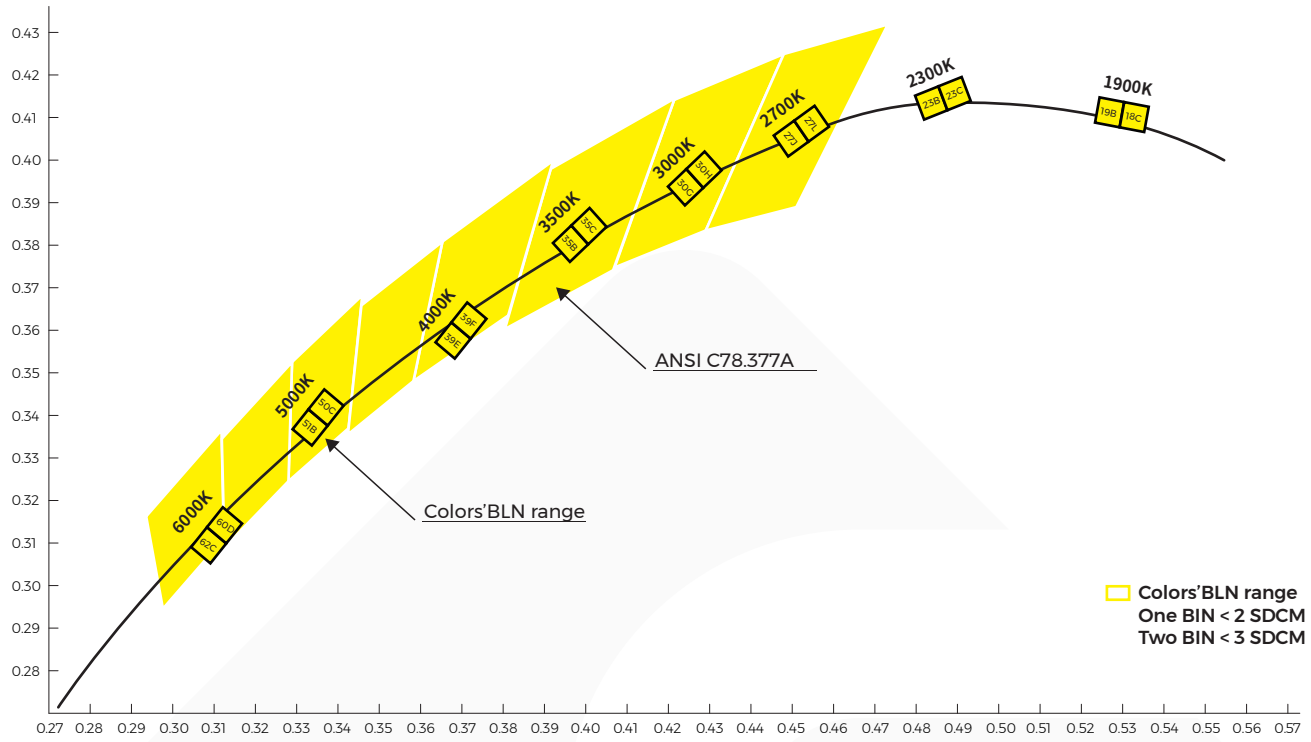


·AAI Figurestrip

【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	LW	2300K	1880	568	112	E
Ra>90	SW	2700K	2165	654	129	E
Ra>90	WW	3000K	2285	690	136	D
Ra>90	PW	3500K	2335	705	139	D
Ra>90	NW	4000K	2335	705	139	D
Ra>90	W	6000K	2285	690	136	D

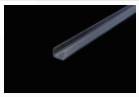
1.The tolerance of output data can be vary up to 10%.
2.the output data tested according to IES TM-30-15.
3.the output data is based on IP20/1merter, data of 5m in only for reference.
4.IP protection process leads changes to size, CCT and luminous flux.



【Electronic & output data】

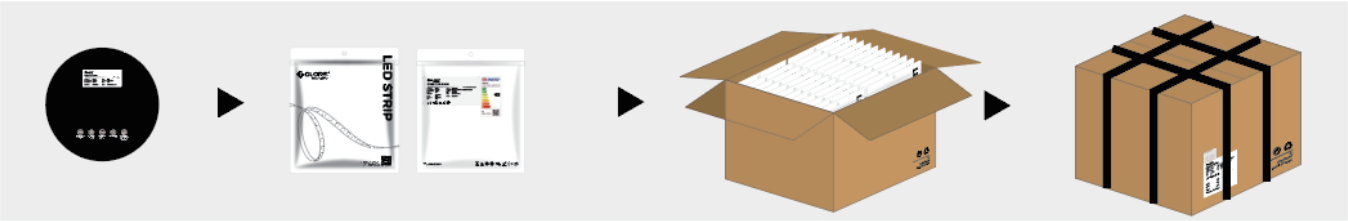
IP Process	Picture	Picture description	Size	optional CCT/color for finished product	lumen output rate
NO		No proof	8mm*1.5mm	2300K/2700K/3000K/3500K/4000K/6000K	100%
NA		Nano-proof	8mm*1.5mm	2300K/2700K/3000K/3500K/4000K/6000K	98%

【Accessories Information】

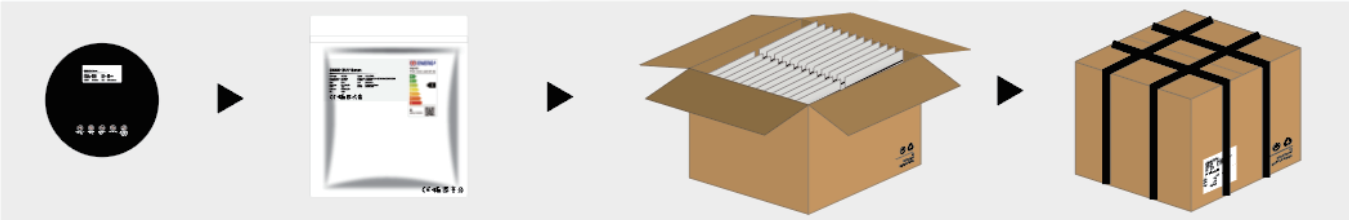
Name	Picture	Code	coding	description
Fixed Clip		94-02-00-0002	FSW08SA	Silicone clip, screw: PA 3*8mm, suitable for 8mm FPC,EF/ET strip
ET press-fit terminals		94-03-00-0027	PT208-ETWA	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminals		94-03-00-0028	CBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS protection technology
ET press-fit terminal kit		94-03-00-0029	STBX208-ETWA020	Monochromatic light strip, 8mm board width, ETS protection technology
Silicone Plug Kit		94-02-00-0044	DT08EA-A	Silicone plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Silicone stopper kit		94-02-00-0045	DW08EA-A	Silicone tail plug kit, suitable for 8mm board width, ET/EF series silicone extrusion light strip
Mounting groove		94-02-00-0024	CVT08EA-12100100	Transparent PVC mounting groove,suitable for 8mm FPC,silicone extruded EF/ET strip
Stopper glue		94-16-03010001	AS-PG-0003	Silicone gel,suitable for ET/EF/EG waterproof LED strip
Connector for wire and FPC		/	CXB208-DFTA	2PIN,wire to board(without wire),suitable for 8mm single color IP20 strips
Connector for FPC and FPC		/	CBB208-DFTA	2PIN,board to board,suitable for 8mm single color IP20 strips
L-connector for FPC and FPC		/	CBBL208-DFTA	2PIN,board to board(L shape),suitable for 8mm single color IP20 strips

【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*81.5	5	250	0.161	8.05	9.257	41*41*26
NA	5000*8*1.5	5	250	0.164	8.2	9.43	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*8*1.5	50	500	1.61	16.1	18.515	41*41*26
NA	50000*8*1.6	50	500	1.64	16.4	18.86	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.