

FREE CUTTING Series Specification

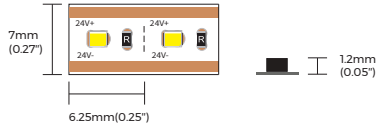
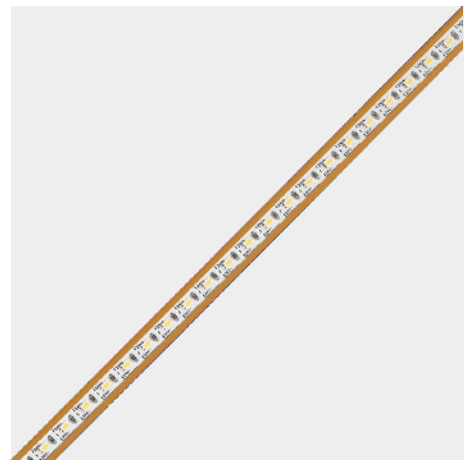
# C6160

## 24V-7mm



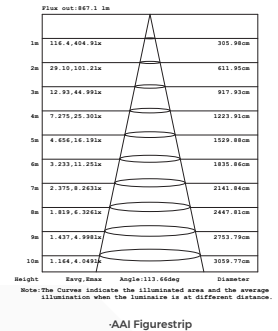
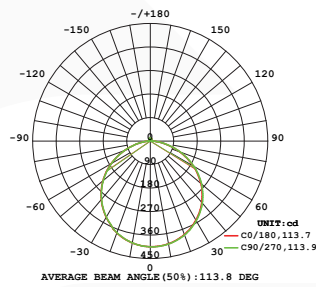
## 【General description】

- 7-Year warranty indoor, 5-year warranty outdoor.
- Customized continuing soldering pads for soldering-free profile.
- 2-in-1 functionality: free cutting and high efficiency, reduce stock.
- Self-encapsulated KSF 2216 LEDs, customized big 24V chips.
- With life span over 84000H
- Ta: -25~40°C; Tc: 75°C(max)
- UL/UACK/CE/ROHS/REACH certification



## 【Dimension】

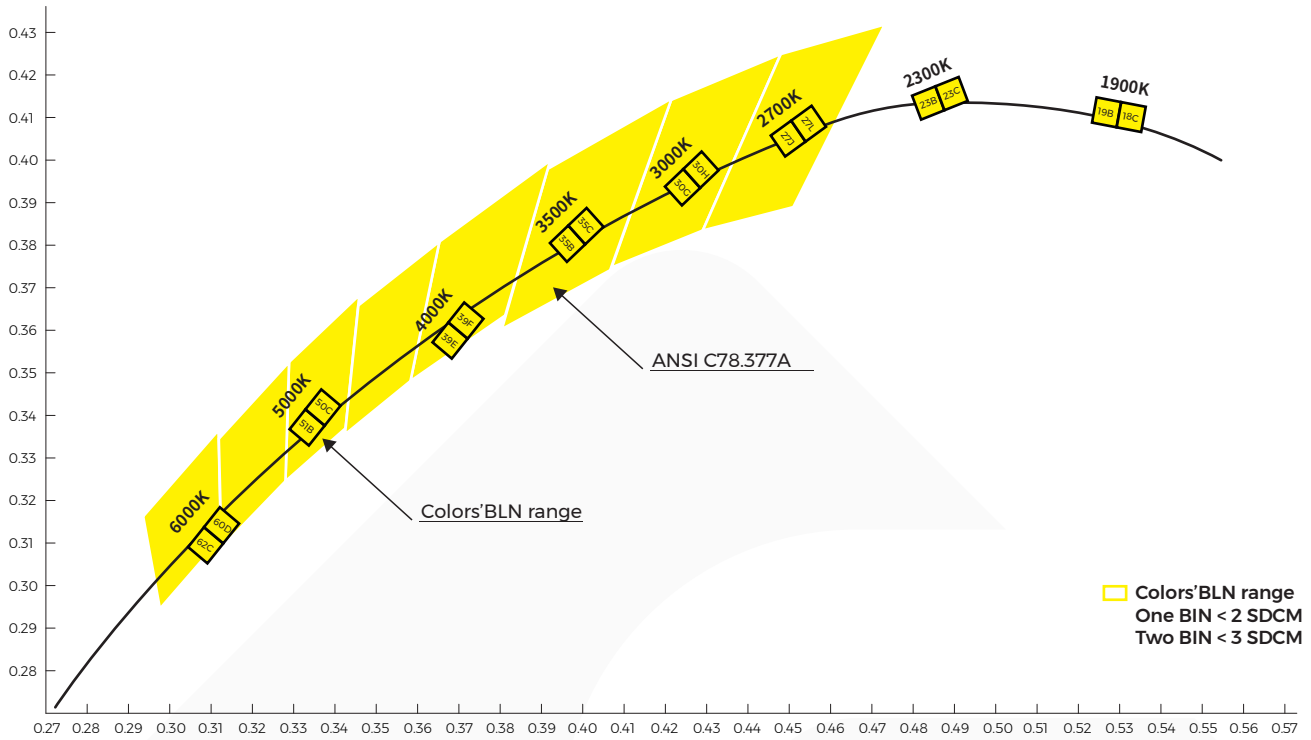
- |  |  |
|--|--|
| Input voltage: DC24V                       | Max.length: 5000mm(16.4')              |
| CRI: 90                                    | Cutting unit: 1leds/6.25mm(0.25")      |
| Max.power: 10.6W(1m)                       | LED pitch: 6.25mm(0.25")               |
| Power range: 8.6~10.6W(1m)                 | Min. bend diameter: $\Phi$ 60mm(2.36") |
| Rated current: 0.4A(1m)                    | Mounting: 3M tape                      |
| Typical Power: 9.6W(1m)                    | Copper foil: 2oz                       |
| tape IP: IP20/IP65                         |  |
| On-off times: 10000 (test times)           |  |
| Warranty: 7 years indoor / 5 years outdoor |  |





## 【Photo-electric Parameters】

CRI	Color	CCT	Lumen(lm/m)	Lumen(lm/ft)	lm/W	ErP 2019
Ra>90	LW	2300K	1150	350	120	E
Ra>90	SW	2700K	1180	359	123	E
Ra>90	WW	3000K	1230	375	128	E
Ra>90	PW	3500K	1250	381	130	E
Ra>90	NW	4000K	1265	385	132	E
Ra>90	W	6000K	1220	371	127	E





- 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/lmerter, 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	7mm*1.2mm	2300K/2700K/3000K/3500K/4000K/6000K	100%
NA	 NANO/IP65	Nano-proof	7mm*1.2mm	2300K/2700K/3000K/3500K/4000K/6000K	98%

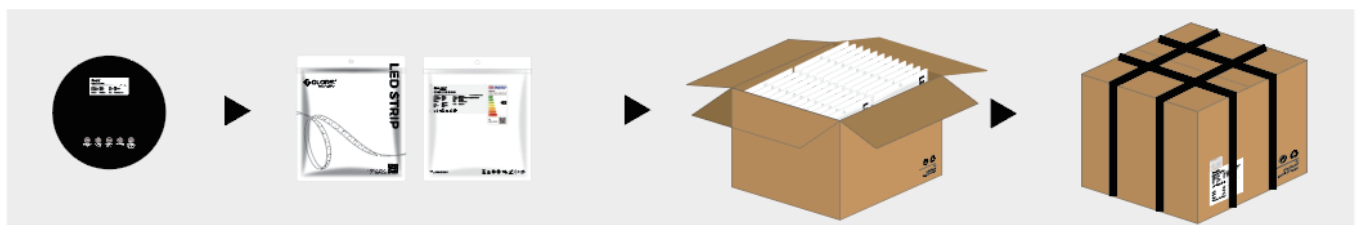
### 【Accessories Information】

Name	Picture	Code	coding	description
Profile		/	CLS-BE1210	Size:L2500*W12*H10mm Material:AL6063-T5
Profile		/	CLS-BG1313	Size:L2500*W13*H13mm Material:AL6063-T5
Profile		/	CLS-BP1015	Size:L2500*W10*H15mm Material:AL6063-T5
Clip		/	CLS-BE1210-CLP	Size:17*10*8.3mm

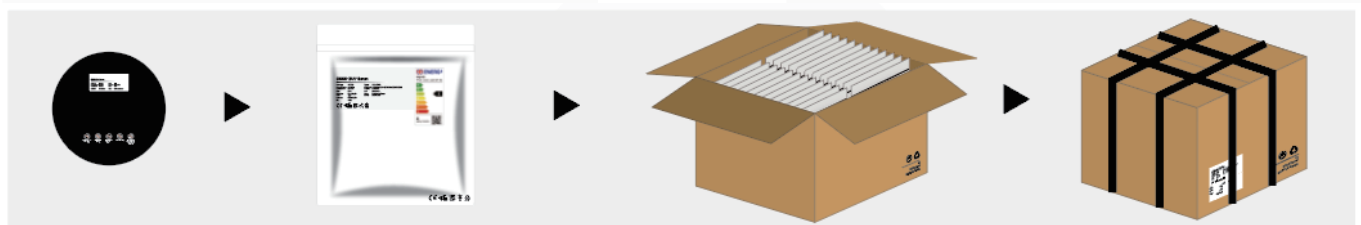
Name	Picture	Code	coding	description
Clip		/	CLS-BG1313-CLP	Size:12*13.5*13.5mm
End caps		/	CLS-BE1210-EC	Wire:1800mm*22AWG 1pcs cap with wire+1pcs cap no wire
End caps		/	CLS-BG1313-EC	Wire:1800mm*22AWG 1pcs cap with wire+1pcs cap no wire
End caps		/	CLS-BP1015-EC	Wire:1800mm*22AWG 1pcs cap with wire+1pcs cap no wire

## 【Packing】

Colors brand package



General customized package

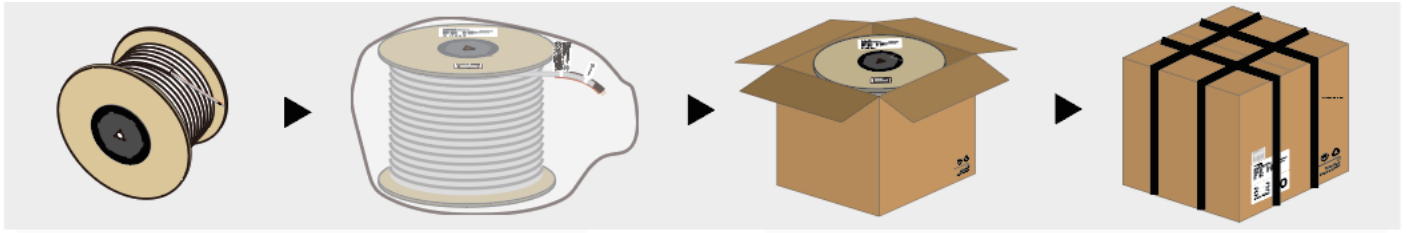


IP Process	Product size(mm)	Product quantity (m/reel)	Product quantity (m/case)	Product net weight(kg)	Net weight per box(kg)	Gross weight(kg)	Package size (cm)
NO	5000*7*1.2	5	300	0.11	6.6	7.6	41*41*26
NA	5000*7*1.2	5	300	0.12	7.2	8.2	41*41*26

Remark: data with 10% tolerance

· Engineering packaging of ET(IP67)

(free-soldering end caps with 40 cover per box could be ordered separately if needed)



· 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*7*1.2	50	650	1.15	14.95	17.2	410*410*260
NA	50000*7*1.2	50	650	1.2	15.6	18	410*410*260

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.